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**REPORT TO
BALLYMORE BUILDING (BARRIE) CORP.
C/O BALLYMORE HOMES**

PHASE ONE ENVIRONMENTAL SITE ASSESSMENT

PROPOSED RESIDENTIAL DEVELOPMENT

750 LOCKHART ROAD

CITY OF BARRIE

Reference No. 1706-E080

August 30, 2017

DISTRIBUTION

3 Copies - Ballymore Building (Barrie) Corp. c/o Ballymore Homes



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It should be noted that the information supplied in this report is not sufficient to obtain approval for disposal of excess soil or materials generated during construction.

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1.0 **EXECUTIVE SUMMARY**

Soil Engineers Ltd. was retained to carry out a Phase One Environmental Site Assessment (hereinafter referred to as “Phase One ESA”) at 750 Lockhart Road, in the City of Barrie (hereinafter referred to as “subject site”).

The purpose of the study was to identify any potential environmental liability associated with the subject site. The findings from our research of documents pertaining to the site, interviews with persons knowledgeable of the site, and an environmental site reconnaissance, together with our assessment, are presented in this report.

The subject site has mainly been used for agricultural and residential purposes. The neighbouring properties in the Phase One Study Area consist mainly of residential properties to the northwest, east and south beyond Lockhart Road, agricultural properties to the north and west beyond the railway tracks, undeveloped property to the northeast and east, and a transformer substation to the southwest.

The Phase One ESA has revealed the following item of environmental concern attendant to the subject site:

- Use of pesticides for farming activities on the northwest and southern sections of the subject site.
- Presence of fill materials at the southeastern section of the subject site, based on the information obtained from our previous test pit investigation.
- Presence of heating fuel oil aboveground storage tank and a diesel aboveground storage tank on the southern section of the subject site.
- Presence of railway tracks to the west of the subject site.
- Presence of transformer electrical substation to the southwest of the subject site.

It is recommended that a Phase Two ESA be conducted to assess the above concerns.



2.0 **INTRODUCTION**

Soil Engineers Ltd. has carried out a Phase One Environmental Site Assessment (Phase One ESA), as defined by the Environmental Protection Act (EPA), Ontario Regulation (O. Reg.) 153/04, as amended by O. Reg. 366/05, O. Reg. 66/08, O. Reg. 511/09, O. Reg. 245/10, O. Reg. 179/11, O. Reg. 269/11 and O. Reg. 333/13, hereinafter referred to as O. Reg. 153/04.

2.1 **Phase One Property Information**

The Phase One Property, as shown on the Site Location Plan, Drawing No. 1, is located at the north side of Lockhart Road, approximately 340 m east of the intersection at Lockhart Road and Yonge Street in the City of Barrie. It has the municipal address of 750 Lockhart Road, Barrie. The subject site consists of one (1) parcels, and the Property Identification Number (PIN) was 58092-0030 (LT), as shown on the Property Index Map, Drawing No. 2.

The subject site is a part of Lot 16, Concession 11 in the City of Barrie. The property description from the parcel register is described in the table below:

PIN	Description	Tax Assessment Roll Number
58092-0030 (LT)	PT S 1/2 LT 16 CON 11 INNISFIL PT 1 51R20554 ; INNISFIL	4342090037060000000

The subject site is rectangular in shape, encompassing an approximate area of 26.69 ha (65.95 ac). The UTM coordinates for the approximate centroid of the subject site are 610116 m E and 4910672 m N as obtained from Google Earth which utilizes a 1983 North American Datum. It is currently zoned as 17 T.

**Municipal Property Assessment Corporation (MPAC)**

Based on the MPAC Farm Property Report for 750 Lockhart Road on June 15, 2017, the subject site has a total of one (1) primary structure, one (1) garage structure and two (2) other structures. The MPAC Farm Property Report is presented in Appendix 'A'.

Details from the MPAC report is presented in the table below:

Address	Structure Code and Description	Year Built	Total Floor Area (Above Grade)	Basement Area
750 Lockhart Road	301 - Single Family Detached	1890	164.53 m ² (1,771 ft ²)	44.87 m ² (483 ft ²)
	101 - Detached Garage	1960	49.70 m ² (535 ft ²)	-
	102 - Shed	1960	17.28 m ² (186 ft ²)	-
	201 - Type I Barn	1900	226.50 m ² (2,438 ft ²)	-

2.2 Contact Information

This Phase One ESA was commissioned to address any environmental concern in association with the proposed development in accordance with our proposal dated June 7, 2017 as approved on June 12, 2017 by Ms. Sharon L. Dionne of Ballymore Building (Barrie) Corp. c/o Ballymore Homes. Our client can be contacted at:

Ballymore Building (Barrie) Corp. c/o Ballymore Homes
12840 Yonge Street, Suite 200
Richmond Hill, Ontario
L4E 4H1
Attention: Ms. Sharon L. Dionne

The property owner can be contacted at:

Donald Andrew Bowman
R.R. No. 1, St. Agatha
Ontario
N0B 2L0



3.0 **SCOPE OF INVESTIGATION**

The general objectives of a Phase One ESA, as defined by Part VII of O. Reg. 154/04 of the EPA, are the following:

- To develop a preliminary determination of the likelihood that one or more contaminants have affected any land or water on, in or under the Phase One Property.
- To determine the need for a Phase Two ESA.
- To provide a basis for carrying out any required Phase Two ESA.
- To provide adequate preliminary information about environmental conditions in the land or water on, in or under the phase one property for the conduct of a risk assessment following completion of a Phase Two ESA.

A Phase One ESA generally consists of the following components:

- A records review.
- Interviews.
- Site reconnaissance.
- An evaluation of the information gathered from the records review, interviews and site reconnaissance.
- Completion of a Phase One Environmental Site Assessment report.
- The submission of the Phase One Environmental Assessment report to the commissioner of the report.

A residential development is being proposed for the subject site. It is anticipated that the new development will be provided with municipal services and roadways meeting urban standards.



4.0

RECORDS REVIEW4.1 **General**(i) **Phase One Study Area**

Except where noted, the Phase One Study Area generally consists of the subject site plus 250 m beyond the perimeter boundaries of the site.

(ii) **First Developed Use**

The first developed use of a site is defined by O. Reg. 153/04 as the earlier of either the first use in or after 1875 that resulted in the development of a building or structure on the property, or the first potentially contaminating use or activity on the Phase One Property.

A Historical Map drafted in 1881 was located on June 23, 2017 at the McGill Digital Library Database. A copy of the map is presented on Drawing No. 3, showing that there was no owner listed for the subject site on this map. Based on the size and shape of the estate, the subject site was likely part of a farmland at that time.

(iii) **Fire Insurance Plans**

Available Fire Insurance Plans were searched at the Toronto Reference Library on June 23, 2017. However, no Fire Insurance Plans were found for the subject site and surrounding areas.



(iv) **Chain of Title**

A land title search was conducted for the subject site at the Region of Simcoe Land Registry Office on June 23, 2017.

The information from the Parcel Register and Land Title research site is listed in Appendix 'B'. The earliest records show that the site was part of the (100 ac) estate known as the south half of Lot 16, in the 11th Concession, patented to William Orchard by the Crown in 1853.

Throughout the years, the ownership of the property changed several times between private individuals and businesses. The latest transaction for the subject property occurred in 1998, when John Andrew Bowman transferred the subject property to Donald Andrew Bowman the current registered owner.

(v) **Environmental Reports**

Soil Engineers Ltd. is not aware of any prior environmental reports for the subject site.

4.2 **Environmental Source Information**

(i) **Ministry of the Environment**

Waste Disposal Sites

Active and closed landfill sites located in excess of 1 km from the subject site are considered to have no significant potential for environmental impact on the subject site. On June 21, 2017, Soil Engineers Ltd. reviewed the Ontario Ministry of the Environment (MOE) "Waste Disposal Site Inventory", dated June 1991. There was no record of either an active or closed waste disposal site within 1 km



of the subject site.

Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario

Soil Engineers Ltd. reviewed the MOE “Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario”, dated November 1988, and the “Inventory of Coal Gasification Plant Waste Sites in Ontario”, dated April 1987 on June 21, 2017. There were no records of coal gasification plants, coal tar distillation plants, creosote plants, etc., at or within the vicinity of the subject site. All facilities of this nature are located in excess of 1 km from the subject site and are considered to have no significant potential for environmental impact on the subject site.

PCB Waste Storage Sites

The MOE “Ontario Inventory of PCB Storage Sites”, dated 2000, was reviewed on June 21, 2017. The subject site is not listed as a PCB waste storage site, and no PCB waste disposal sites are located at any of the neighbouring properties within the Phase One Study Area.

MOECC Waste Generator

On June 21, 2017, the MOE Waste Generator Registration database files, dated 2000, 2007, 2008, 2013 and 2015 were reviewed. The subject site is not listed as a waste generator under Regulation 558 of the EPA, and none of the neighbouring properties within the Phase One Study Area are listed as waste generators.



Records of Site Condition

On June 21, 2017, the MOE public Brownfields Environmental Site Registry was checked for records of site condition filed for properties within 0.5 km of the centroid of the subject site. However, no results matching our search criteria were returned.

MOECC Freedom of Information

A request for documented environmental concerns and citations pertaining to the subject property was forwarded to the MOECC Freedom of Information Office on July 11, 2017. No response had been received at the time of writing this report. In the event that their response suggests cause for concern, it will be forwarded together with an assessment of its significance. A copy of the FOI request is included in Appendix 'C'.

(ii) Environment Canada

National Pollutant Release Inventory

On June 21, 2017, the Environment Canada National Pollutant Release Inventory (NPRI) database files were reviewed. The subject site is not registered in the NPRI database. In addition, no properties within the Phase One Study Area are listed in the NPRI database.

National PCB Inventory

On June 21, 2017, the Environment Canada PCB Inventory database files, dated 1994, were reviewed. The site is not registered in the National PCB Inventory database. In addition, no properties within the Phase One Study Area are listed in the database.



(iii) **Other Sources**

Technical Standards & Safety Authority

The use of underground storage tanks (USTs) and aboveground storage tanks (ASTs) containing petroleum products is regulated in Ontario by the Ministry of Consumer and Commercial Relations (MCCR) under various legislative instruments, including the Gasoline Handling Act and Energy Act. Above ground and underground storage tanks that contain petroleum product are required by law to be registered with the MCCR, and the Technical Standards & Safety Authority (TSSA) is responsible for keeping record of these tanks. Customer Services of the TSSA was contacted on June 15, 2017 regarding possible registration, size and age of fuel storage tanks on the subject site and adjacent properties. They informed us that no UST or AST was registered for the subject site and adjacent properties. It should be noted that reliable TSSA records date from 1987 to the present.

Environmental Risk Information Service (ERIS) Ltd.

ERIS Ltd. provides reports that compile information from both government and private databases of interest to the environmental field. The ERIS report prepared for the subject site (Order no. 20170615077), dated June 21, 2017) can be found in Appendix 'D'. The database and number of records found pertaining to the subject site and Phase One Study Area are listed in the table below.

Database	Number of Records for Subject Site	Additional Number of Records for Phase One Study Area
Scott's Manufacturing Directory	0	1
Water Well Information System (WWIS)	0	9

The records pertaining to the subject site and its neighbouring properties are briefly discussed in the following sections.



Scott's Manufacturing Directory (SCT)

Scott's Directories is a data bank containing information on over 200,000 manufacturers across Canada. Information concerning a company's address, plant size, and main products are included in this database. There was one (1) SCT record for Saris Wood (a woodworking facility) located at 8329 Yonge Street, approximately 20 m west of the subject site. For details, please refer to Appendix 'D'.

Water Well Information System (WWIS)

This database describes locations and characteristics of water wells found within Ontario in accordance with Regulation 903. Based on ERIS Ltd. Database Report, there were no well records for the subject site. There were six (6) domestic well records, one (1) test hole record, one public supply record and one abandoned supply well record within the Phase One Study Area. For details, please refer to Appendix 'D'.

4.3 Physical Setting Sources

(i) **Aerial Photographs**

Aerial photographs, dated from 1954 to 2016 showing the subject site and surrounding area were found at the Soil Engineers Ltd. Database Regional Municipality of Simcoe's Interactive Maps Website on June 20, 2017.

Years	Subject Site	Surrounding Areas
1954	There are wooded areas in the north-eastern sections of the subject site. There is farmland on the western and southern sections of the subject site. There are three (3) structures on the mid-southern section of the subject site.	Railway tracks are located to the west of the subject site. There are farmlands located to the north, west beyond the railway tracks and south beyond Lockhart Road. There is some woodland to the east of the subject site.



Years	Subject Site	Surrounding Areas
1989	There are wooded areas on the previous farmland areas on the western section of the subject site.	There are small structures located to the south beyond Lockhart Road and west beyond the railway tracks of the subject site.
2002		
2008		
2016		

Copies of the aerial photographs are presented in Appendix 'E'. These photographs depict the chronology of the development in the area. It should be noted that the subject site is situated next to a municipal roadway to the south (i.e. Lockhart Road), and railway tracks to the west.

(ii) Topography, Hydrology, Geology

Maps of the area were located at the Ontario Ministry of Natural Resources on June 21, 2017 and Soil Engineers Ltd. GIS database on June 16, 2017. A 2003 Ontario Base Map (OBM), and a 2015 Topographic Map were available, showing the land features at those dates. Copies of the maps are presented on Drawing Nos. 4 and 5, respectively, and show that the subject site had three (3) structures and there was a watercourse located on the northeast section of the subject site. There was also a watercourse located to the east and northeast of the subject site. Railway tracks were located on the adjacent property to the west. Based on the topography of the area, precipitation runoff is expected to flow northeast towards the watercourse. The inferred groundwater flow is also expected to flow generally in the northeasterly direction.

A geological map of the area was located at the Geological Survey of Canada website on June 16, 2017, and a copy of the map is presented on Drawing No 6. A review of the map indicates the subject site is underlain predominantly by the Newmarket Till, which consists of a sandy silt to silt matrix. Furthermore, a Bedrock Geology Map of the area obtained from the Ministry of Northern Development website on June 16, 2017 is presented in Drawing No. 7. A review of the map indicates the subject site is underlain by limestone, dolostone, shale, arkose and sandstone.



The subject site is located in the larger hydrogeological region known as Southern Ontario Lowlands. A watershed map provided by Lake Simcoe Region Conservation Authority shows the subject site is situated in the Hewitt's Creek watershed. A copy of the Watershed Map can be found on Drawing No 8.

According to the Ontario Geological Survey Bedrock Cross Section Viewer, accessed on July 5, 2017, the bedrock at the Phase One Study Area is overlain by 124 m of drift.

(iii) Fill Material and Topsoil

Soil Engineers Ltd. (SEL) completed a test pit investigation for the subject site in (Ref. No. 1705-C123), where ten (10) test pits were excavated to depths ranging from 1.2 m bgs to 3.3 m bgs. Topsoil fill and earth fill was encountered at five (5) test pit locations at the southeastern section of the subject site.

(iv) Water Bodies and Areas of Natural Significance

On June 25, 2017, Soil Engineers Ltd. reviewed County of Simcoe's and City of Barrie's Official Plans, and the Ontario Ministry of Natural Resources Natural Heritage Information Centre (HNIC) database files for ESAs and ANSIs within the Phase One Study Area. There was a wetland considered environmental significant by the Ontario Ministry of Natural Resources in the middle of the subject site, and adjacent to the east of the subject site. Furthermore, there was a watercourse to the northeast and east of the subject site. A Natural Feature and Protection Area map of the Phase One Study Area is presented in Drawing No. 9.

Planning Authorities

On June 25, 2017, Soil Engineers Ltd. reviewed the official plans from City of Barrie and County of Simcoe for listings of the various classes of natural areas



located within the vicinity of the subject site. According to the documents, the subject site and the Phase One Study Area were not located within a wellhead protection area.

(v) **Well Records**

The MOECC Water Wells Record management was contacted on May 8, 2017, regarding the subject site and the surrounding area within a 500 m radius from the centroid of the subject site. Based on the MOECC search record, there were no well records within the subject site. There was one (1) well record for a domestic well, and one (1) monitoring well record within the Phase One Study Area. A copy of the well records is presented in Appendix 'F'.

4.4 **Occupancy Search**

An occupancy search for the Phase One Study Area was conducted on June 23, 2017 using city directories (dated from 1963, 1982, 1986, 1989, 1992, 1994/1995, 1998/1999) at the Toronto Reference Library. A review of the occupancy records indicated that there were no businesses listed within the Phase One Study Area.

4.5 **Records Review Summary**

A summary of the relevant information disclosed by our records review as of August 14, 2017 is given below.

- Agricultural activities occurred at the subject site (Source: Aerial Photographs).
- There were fill materials present on the subject site (Source: Previous Test Pit Investigation Report).
- There were railway tracks to the west of the subject site (Source: Aerial Photographs, Historical Map, OBM).
- There was a woodworking facility 20 m to the west of the subject site (Source:



Ecolog ERIS Ltd. Database Report).

- The subject site was surrounded by a municipal roadway to the south (i.e. Lockhart Road) (Source: 2003 OBM, Aerial Photographs).
- The subject site is situated in an area of natural significance and there is a watercourse on the northeast section of the subject site (Source: Planning Authorities, Area of Natural Features and Protection Area Plan).



5.0 INTERVIEWS

An interview was conducted with David Bowman (Farm Tenant) in person on July 13, 2017. Mr. Bowman has been associated with the subject site for ten (10) years.

The interview revealed the following items of information pertaining to the subject site:

- The subject site currently and historically consisted of residential and farming activities.
- There was one heating fuel oil aboveground storage tank (not in use currently), and one diesel above ground storage tank for fuelling tractors on the subject site.
- Pesticides were applied by a separate contractor on the farmlands. No pesticides were stored on site.
- Mr. Bowman indicated that there was a well and a septic bed on the subject site.
- Mr. Bowman was not aware of any dumping of hazardous substances or petroleum products, unidentified waste materials, automotive parts, household garbage, mixed municipal refuse, demolition debris, fill material from an unknown site.
- Mr. Bowman was not aware if the neighbouring properties were previously used as gasoline stations, motor repair facilities, commercial printing facilities, dry cleaners, junkyard or landfill, waste treatment, storage, disposal, processing or recycling facilities or photo developing laboratories, etc.
- A copy of the Landowner/Tenant/Occupant Questionnaire is presented in Appendix 'G'.



6.0 SITE RECONNAISSANCE

6.1 General

A visual inspection of the readily accessible areas of the subject site was conducted by our representative, Ms. Samiya Tabassum, M.Env.Sc. on July 13, 2017, to determine the general environmental conditions of the subject site and surrounding area. The conditions and timing of the site reconnaissance are outlined below.

Site Reconnaissance Conditions

Date	Weather Condition	Temperature	Duration of Visit	Precipitation Conditions
Thursday, July 13, 2017	Cloudy and Rainy	24 ° C	2 Hour 10:00 am to 12:00 pm	Some Precipitation

Site photographs taken during the inspection are presented in Appendix 'H'.

The subject site is located at the north side of Lockhart Road, approximately 340 m east of the intersection at Lockhart Road and Yonge Street in the City of Barrie. At the time of the site reconnaissance, the subject site consisted of farmland on the northwestern and southern sections of the subject site. Furthermore, the subject site had one (1) residential building, one (1) tractor storage shed, one (1) barn, one (1) metal storage trailer, and four (4) storage sheds located at the mid-southern section of the subject site. There were wooded areas in the middle and northeastern sections of the subject site. The farmland consisted of cornfields.

There was a concrete pad mounted 909 L heating fuel oil tank (manufactured in 2004) located on the west side of the residential building. This tank was reportedly to be no longer in use. There was a 670 L single walled diesel storage tank stored on the bare ground located on the north side of the tractor storage shed. No spills or stains or nuisance odours were observed near the vicinity of these tanks. Solid debris in the form of garbage (i.e. empty propane tanks, empty plastic containers, garbage bags, broken



strollers, etc.) was observed inside or near the storage sheds in the southern section of the subject site.

The ground surface is relatively flat with minor undulations, and the grade at the subject site generally descends towards the north. No sump pits were observed at the subject site. There was a well and a septic bed to the south of the residential building, and there was a water tower and a grain silo to the west and south of the barn, respectively. Furthermore, there were no excavated pits on the subject site, and there was no noticeable nuisance odour observed in any visible areas of the subject site.

6.2 **Specific Observations at Phase One Property**

(i) **Building Inspection**

The subject site consisted of one (1) residential building, one (1) tractor storage shed, one (1) barn, one (1) metal storage trailer, and four (4) storage sheds were located at the mid-southern section of the subject site.

Residential Building

The residential building consisted of a 2-storey structure with two bedrooms, one kitchen, one bathroom, one attic and a basement level, which partially occupied the footprint of the residential building. The exterior of the residential building consisted of painted concrete, and metal shingle roofs. The residential building had a stone foundation with concrete slab flooring in the basement. The interior areas of the residential building was a combination of concrete walls/drywalls and vinyl tile flooring. The residential building was supplied with municipal electricity, water from a domestic well, and a septic bed. It was currently heated by a wood fired oven. Previously, it was heated by an oil-fired forced air furnace. The heating fuel oil aboveground storage tank was no longer in use, but was observed at the west side of the residential building.



Tractor Storage Shed

There was a tractor storage shed in the southern section of the subject site. The tractor storage shed consisted of one-storey slab on grade structure with metal siding and roof sections. The north section of the tractor storage shed consisted of dirt ground. There were two tractors stored in the north section of the tractor storage shed at the time of the site reconnaissance. The south section of the tractor storage shed consisted of concrete slab on grade flooring, and was used for storage of farming equipment. A bathroom with a shower stall and a bedroom were also observed in this tractor storage shed. There was one (1) diesel aboveground storage tank on the north side of the tractor storage shed. Substances such as grease, engine oil and anti-freeze stored in plastic commercial containers (<5 L in size), and two propane tanks were observed in the south section of the tractor storage shed. No spills or stains or cracks were observed within the concrete flooring near the southern section of the tractor storage shed.

Barn

There was a two-storey barn built located to the north of the residential building at the southern section of the subject site. The exterior of the barn consisted of stone and wood with a metal roof. There was a water tower to the north, and a grain silo to the east of the barn. The barn was supplied with electricity. The interior consisted of wooden truss ceiling, and wooden or dirt floors. The first floor was previously used for housing livestock, and the second floor was a personal woodworking studio. No chemical storage areas were noted in this barn.

Metal Trailer

There was a metal storage trailer at the mid-southern section of the subject site. There were two personal woodworking lathes, which were to be removed from the subject site when the farm tenant moves. No spills or stains were observed



within the vicinity of the metal trailer or on the metal flooring near the woodworking lathes at the time of the site reconnaissance.

Four Storage Sheds

There were four wooden storage sheds on the southern section of the subject site. One storage shed consisted of a one-storey wooden structure built on bare ground for storage of property maintenance supplies (i.e. lawn mower, rakes, etc.). Another wooden storage shed was empty. The remaining two storage sheds were open with metal roofing and housed personal vehicles or farming equipment.

(ii) **Hazardous Materials**

Asbestos-Containing Materials (ACMs)

Asbestos-containing materials (ACMs) were widely used in building construction until the mid- to late 1970s, primarily for the good insulation and fire retardant properties of asbestos. The health risks associated with asbestos occur when asbestos fibers are released from various materials into the ambient air.

Based on the age of the buildings, it is possible that ACM may be present in the building components.

Polychlorinated Biphenyls (PCBs)

Polychlorinated biphenyls (PCBs) commonly exist in electrical equipment such as transformers, capacitors, and in the ballasts of fluorescent and high-intensity discharge (HID) light fixtures. The use of PCBs in newly manufactured electrical equipment was discontinued in 1979.



Based on the age of the buildings, it is possible that PCBs are present in the electrical equipment present at the subject site.

Urea-Formaldehyde Foam Insulation

Urea-formaldehyde foam insulation (UFFI) was commonly used in the mid-1970s for insulation in buildings and was discontinued in 1980.

Based on the age of the buildings, it is possible that UFFI may have been used in the building components.

Ozone-Depleting Substances

Sources of ozone-depleting substances (ODS) are found in the form of chlorofluorocarbons (CFCs) used in air-conditioning units and refrigeration systems.

Based on our visual inspection of the subject site, sources of ODSs are likely limited to minor quantities present in the refrigeration /freezer units, and do not pose an environmental risk if the units are properly serviced and maintained.

Lead-Based Paints, Plumbing Pipes and Plumbing Solder

Lead was commonly used in paints, plumbing pipes and plumbing solder as drying agent and for pigmentation. The use of lead has been reduced, and was phased –out of use in plumbing solder during the 1980s and from pipes during the 1990s. The use of lead in the manufacturing of new paint was phased out during the 1970s for interior house paint and during the late 1990s for exterior paint.

Based on the age of the buildings, it is possible that lead-based materials may have been used.



Mercury

Mercury is generally a component of thermometers, thermostats and fluorescent lighting tubes. Our visual inspection of the subject site indicated that these items were in use. Provided that these items remain intact, they are safe in their present form.

Silica

Silica is a natural material found in rocks and masonry units. Our visual inspection indicated that these materials were used in the construction of the building(s). As long as these materials remain in their solid form and do not show signs of deterioration (or dusting), they remain safe.

(iii) **Underground Storage Tanks (USTs)**

There is no vent or filler pipe visible to indicate the presence of any underground storage tanks (USTs) at the subject site.

(iv) **Above-Ground Storage Tanks (ASTs)**

Our representative observed two (2) above-ground storage tanks at the subject site. One of the tanks was located at the west side of the residential house. In addition, the concrete floor immediately beneath the tanks was in good condition with no cracks or holes.

The other AST was located to the north of the tractor storage shed. The vent and filler pipes were observed on the tank. The ASTs were in good condition. No stain and odour was noticed around or beneath the tank.



(v) **Substance Containers**

Our representative checked for the presence of substance containers such as oil drums, used oil containers, gasoline jerry cans, paint cans, etc. At the time of our inspection, substances such as grease, engine oil and anti-freeze stored in plastic commercial containers (<5 L in size), and two propane tanks were observed in the south section of the tractor storage shed. The containers were in good condition and no crack or stain or spills were observed on the concrete floor beneath them.

(vi) **Waste Management and Maintenance Practices**

Residential wastes consisted of garbage and recyclables were removed from the subject site on a regular basis by Progressive Waste Solutions.

Solid debris in the form of garbage (i.e. empty propane tanks, empty plastic containers, garbage bags, broken strollers, etc.) was observed inside or near the storage sheds in the southern section of the subject site.

(vii) **Air Quality and Noise**

During our inspection, there was no offensive odour or detectable source of air emission that may impact the ambient air quality at the subject site. It should be noted that no noise level greater than the ambient was noted on the subject site. In this case, ambient conditions refer to the adjacent roadway (i.e. Lockhart Road) to the south.

(viii) **Water Wells**

Our representative noted one water well to the south of the residential building. A septic bed was also noticed to the south of the residential building.



(ix) **Phase One Study Area Inspection**

Based on our visual inspection of the publicly accessible areas, the neighbouring properties in the Phase One Study Area consist mainly of residential properties to the northwest, east and south beyond Lockhart Road, agricultural properties to the north and west beyond the railway tracks, undeveloped property to the northeast and east, and industrial properties to the west (i.e. railway tracks and transformer substation).

At the time of inspection, railway tracks were observed adjacent to the west of the subject site. There was also a transformer substation approximately 23 m southwest of the subject site.

(x) **Enhanced Property Investigation**

No enhanced property investigation was conducted since there is no garage, bulk liquid dispensing facility (gasoline outlet) or dry cleaning equipment at the subject site during the time of the inspection.

6.3 **Summary of Site Reconnaissance**

Our site reconnaissance has revealed the following noteworthy items pertaining to the subject site:

- There were two (2) aboveground storage tanks observed at the subject site.
- Farming activities were observed at the northwestern and southern sections of the subject site.
- A transformer substation was observed 23 m southwest of the subject site.
- Railway tracks were adjacent to the west of the subject site.
- Personal woodworking studio was observed in the barn.
- Substance containers were observed in the tractor storage shed.



- Solid debris in the form of garbage (i.e. empty propane tanks, empty plastic containers, garbage bags, broken strollers, etc.) was observed inside or near the storage sheds in the southern section of the subject site.
- Domestic well and septic bed were observed to the south of the residential building.
- The subject site was surrounded by municipal roadways to the south (i.e. Lockhart Road).



7.0 **REVIEW AND EVALUATION OF INFORMATION**

7.1 **Current and Past Uses**

The records review indicated that the subject site was mainly been used for agricultural and residential purposes. The neighbouring properties in the Phase One Study Area consist mainly of residential properties to the northwest, east and south beyond Lockhart Road, agricultural properties to the north and west beyond the railway tracks, undeveloped property to the northeast and east, and a transformer substation to the southwest.

A description of the major uses of the site and the year in which they appear to have commenced is presented in the Table of Current and Past Uses presented in Appendix 'I'.

7.2 **Discussion of Environmental Items**

(i) **Potentially Contaminating Activity Classification**

Potentially Contaminating Activity (PCA) is defined by O. Reg. 153/04 as a use or activity that is occurring or has occurred in a Phase One Study Area.

Based on our records review, interviews and site reconnaissance as of August 15, 2017, the following information pertaining to the environmental condition of the Phase One Property has been disclosed by the Phase One ESA.

- There were fill materials present on the subject site (Source: Previous Test Pit Investigation Report).
- Agricultural activities with pesticide application occurred at the subject site (Source: Aerial Photographs, Interview Questionnaire, Site Inspection).
- There were two (2) aboveground storage tanks observed at the subject site (Source: Site Inspection).



- There were railway tracks to the west of the subject site (Source: Aerial Photographs, Historical Map, 2003 OBM, Site Inspection).
- There was a transformer substation approximately 23 m southwest of the subject site (Source: Site Inspection).
- Personal woodworking studio was observed in the barn on the subject site (Source: Site Inspection).
- There was a woodworking facility 20 m to the west of the subject site (Source: Ecolog ERIS Ltd. Database Report).
- Substance containers were observed in the tractor storage shed (Source: Site Inspection).
- Solid debris in the form of garbage (i.e. empty propane tanks, empty plastic containers, garbage bags, broken strollers, etc.) was observed inside or near the storage sheds in the southern section of the subject site (Source: Site Inspection).
- Domestic well and septic bed were observed to the south of the residential building (Source: Site Inspection).
- The subject site was surrounded by a municipal roadway to the south (i.e. Lockhart Road) (Source: 2003 OBM, Aerial Photographs, and Site Inspection).
- The subject site is situated in an area of natural significance and there is a watercourse on the northeast section of the subject site (Source: Planning Authorities, Area of Natural Features and Protection Area Plan).

We have evaluated the risk associated with each item in the above list to determine the potential for the activity to impact on the environmental condition of the subject site.

Fill Materials

Soil Engineers Ltd. (SEL) completed a test pit investigation for the subject site in (Ref. No. 1705-C123), where ten (10) test pits were excavated to depths ranging from 1.2 m bgs to 3.3 m bgs. Topsoil fill and earth fill was encountered at five (5) test pit locations at the southeastern sections of the subject site. The environmental quality of the earth fill on the site is unknown and this item is



considered a PCA. #30. Importation of Fill Material of Unknown Quality.

Pesticide Use for Agricultural Activities

Based on aerial photographs and the site inspection, there were cornfields on the northwestern and southern sections of the subject site. The interview with Mr. David Bowman indicated that pesticides and related chemicals were applied by a separate contractor to these cornfields. However, no pesticides were stored on the subject site. Therefore, this item is considered as a PCA. #40. Pesticides (including Herbicides, Fungicides, and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications.

Aboveground Storage Tanks

Based on the site inspection, there was a concrete pad mounted 909 L heating fuel oil tank (manufactured in 2004) located on the west side of the residential building. This tank was reportedly to be no longer in use. There was a 670 L single walled diesel storage tank stored on the bare ground located on the north side of the tractor storage shed. Due to the potential for spillage of fuel oil on the ground, these items are a high risk of environmental concern to the subject site. Therefore, these items are considered as PCAs. #28. Gasoline and Associated Products Storage in Fixed Tanks.

Railway

Generally, railway lines are noted due to the chemicals used in their construction and maintenance. Based on a review of the physical maps, as confirmed by our site inspection, the railway line is adjacent to the west and up-gradient to the subject site. There is a high risk of environmental contaminant impact to the subject site, and therefore, it is considered as a PCA. #46. Rail Yards, Tracks and Spurs.



Transformer Substation

At the time of the site inspection, there was a transformer substation approximately 23 m southwest of the subject site. Based on the aerial photographs, this transformer substation has occupied this neighbouring property since the 1980s. Due to its up-gradient location and close proximity to the subject site, there is a high risk of environmental contaminant impact to the subject site. Therefore, it is considered as a PCA. #18. Electricity Generation, Transformation and Power Stations.

Personal Woodworking Studio in the Barn

At the time of the site inspection, a personal woodworking studio was observed in the second floor of the barn on the subject site. Discussions with the farm tenant, Mr. David Bowman, indicated that the personal wood studio was not used for commercial purposes. No chemical containers were observed within the personal woodworking studio at the time of the site inspection. Furthermore, there were no records of commercial woodworking facility or waste generated from commercial woodworking facility for the subject site. Therefore, this personal wood studio is not considered as a PCA.

Woodworking facility to the West

According to the Ecolog ERIS Ltd. Database, the SCT Database had one record for a woodworking facility (Saris Wood) located approximately 20 m to the west of the subject site. However, there were no waste generator records, and aerial photographs and our site observations from publicly accessible areas did not indicate the presence of heavy industrial activity at this neighbouring property. Therefore, this woodworking facility is not considered as a PCA.



Substance Containers

At the time of our inspection, substances such as grease, engine oil and anti-freeze stored in plastic commercial containers (<5 L in size), and two propane tanks were observed in the south section of the tractor storage shed. The containers were in good condition and no crack or stain or spills were observed on the concrete floor beneath them. Due to the size and minor use of the substance containers, there is low risk for environmental contaminant impact to the subject site. Therefore, these substance containers are not considered as a PCA.

(ii) **Designated Substances**

It should be noted that suspected hazardous materials and mould were identified or may be contained within the on-site buildings. Since the buildings are not part of the new development, the designated substances will be dealt with prior to any demolition of the structures as part of the Occupational Health and Safety Act. The designated substances are not a part of this environmental assessment.

(iii) **Other Environmental Items**

Debris

Solid debris in the form of garbage (i.e. empty propane tanks, empty plastic containers, garbage bags, broken strollers, etc.) was observed inside or near the storage sheds in the southern section of the subject site. There was no hazardous material observed within the solid debris. These items are scheduled to be removed from the subject site when the farm tenant moves, and therefore are not considered as a PCA.



Domestic Well and Septic Bed

There was one (1) domestic well and one (1) septic bed observed to the south of the subject site. Prior to development, it is recommended that all wells be decommissioned as per Ontario Regulation 903.

Adjacent Roadways, Parking Lots and Driveways

The subject site is adjacent to a roadway (i.e. Lockhart Road). This is of concern due to the de-icing chemicals used during the winter season which may result in higher than usual levels for the Sodium Adsorption Ratio and Electrical Conductivity of the soil. If the soil remains in situ, it is considered to meet the standards through clause 48(3) of O. Reg. 153/04. However, should the material be displaced, it will no longer qualify for this exemption and must be managed accordingly.

Water Bodies and Areas of Natural Significance

There was a wetland considered environmental significant by the Ontario Ministry of Natural Resources in the central section of the subject site, and adjacent to the east of the subject site. Furthermore, there was a watercourse to the northeast and east of the subject site. These are being brought to the client's attention because it may inhibit development on the subject site.



7.3 **Areas of Potential Environmental Concern**

Based on our review of the activities identified at the subject site and in the Phase One Study Area, the Area of Potential Environmental Concerns (APECs) are identified. The APEC Table is present in Appendix 'J'.

7.4 **Phase One Conceptual Site Plan/Model**

A Phase One Conceptual Site Plan/Model illustrating the findings and results of the assessment is presented in Drawing 10.



8.0

CONCLUSIONS

Soil Engineers Ltd. was retained by Ballymore Building (Barrie) Corp. c/o Ballymore Homes to carry out a Phase One Environmental Site Assessment (ESA) at 750 Lockhart Road, in the City of Barrie for a proposed residential development in support of a real estate development. The subject site has mainly been used for agricultural and residential purposes. The neighbouring properties in the Phase One Study Area consist mainly of residential properties to the northwest, east and south beyond Lockhart Road, agricultural properties to the north and west beyond the railway tracks, undeveloped property to the northeast and east, and a transformer substation to the southwest.

8.1 Phase Two Assessment Recommendation

The Phase One ESA has revealed the following item of environmental concern attendant to the subject site:

- Use of pesticides for farming activities on the northwest and southern sections of the subject site.
- Presence of fill materials at the southeastern section of the subject site, based on the information obtained from our previous test pit investigation.
- Presence of heating fuel oil aboveground storage tank and a diesel aboveground storage tank on the southern section of the subject site.
- Presence of railway tracks to the west of the subject site.
- Presence of transformer electrical substation to the southwest of the subject site.

It is recommended that a Phase Two ESA be conducted to assess the above concerns.

8.2 RSC Requirements

Given the type of development proposed for the site, an RSC is not required to be filed in accordance with O. Reg. 153/04 as amended. However, local and regional governments may require an RSC as part of the development process.



Please note that if there is an intent to file an RSC, in accordance with O. Reg. 153/04, the most current activity conducted in the Phase One ESA must be within 18 months of the date of filing.

8.3 **ESA, Body of Water, ANSI**

It should be noted that the ANSI has been identified within the Phase One Study Area that will affect the criteria used for the development of this property. There is a wetland considered environmentally significant by the Ontario Ministry of Natural Resources in the middle of the subject site and adjacent to the east of the subject site.

A review of the physical maps indicated that there was a watercourse on the northeast of the subject site.

These are being brought to the client's attention since there may be restriction on land development because of the above noted circumstances.

8.4 **O. Reg. 511/09 and Fill**

Due to the potential economic consequences associated with the fill requirements should an RSC be filed for this site, we recommend that all site works proceed prior to the filing of any RSC.



8.5 Legal Requirements

If an RSC has been submitted and filed, the property owner must retain a copy of this report for at least 7 years in accordance with O. Reg. 153/04, Section 18.

SOIL ENGINEERS LTD.

Samiya Tabassum, M.Env.Sc.

Samuel Lee, B.Sc.

Eleni Girma Beyene, P.Eng., QP_{ESA}
ST/SL/EGB





9.0 **REFERENCES**

Information in the Public Domain

Environment Canada National PCB Inventory (1994)

Environment Canada National Pollutant Release Inventory (2012 to present)

Environmental Protection Act (EPA). Part VII of Ontario Regulation 511/09. The Ontario Ministry of the Environment (MOE) (Amended 2009)

MOECC Brownfields Environmental Site Registry (April, 2017)

MOE Inventory of Coal Gasification Plant Waste Sites in Ontario (April, 1987)

MOE Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario (November 1988)

MOE Ontario Inventory of PCB Storage Sites (2000)

MOE Waste Disposal Site Inventory (June 1991)

MOE Waste Generator Registration Database Files (2000, 2007, 2008, 2013 and 2015)

Ontario Ministry of Natural Resources Ontario Ministry of Natural Resources Heritage Information Centre (NHIC) (2015)

Service Ontario, Land Registry Office. Historical Land Titles Search

Service Ontario, Land Registry Office. Land Transfers

Service Ontario, Land Registry Office. Parcel Registries for Property Identifiers

Lake Simcoe Region Conservation Authority (2016)

Water Well Help Desk, Environmental Monitoring and Reporting Branch, Ministry of Environment and Climate Change. The MOECC Well Records (2017)



Information from Commercial Database

ERIS Database Report Number 20170615077, detailing over 50 public and private database (June 21, 2017)

References of Plans and Drawings

County of Simcoe Interactive Mapping (2017).

The Ontario Ministry of Government Services. Property Index Map.

Illustrated historical atlas of the County of Simcoe, Ontario (1878)

OMNR. Ontario Base Maps (2016).

Queen's Printer for Ontario. Topographic Map. Obtained from Natural Resource Canada Website (2015).

Lake Simcoe Region Conservation Authority (LSRCA). Watershed Map. Obtained from the LSRCA website.

Surface Geology Map, Ontario Geological Survey 1997. Miscellaneous Released Data 0014.



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FAX: (705) 721-7864	FAX: (905) 542-2769	FAX: (905) 725-1315	FAX: (905) 881-8335	FAX: (705) 684-8522	FAX: (905) 725-1315	FAX: (905) 542-2769

DRAWINGS

REFERENCE NO. 1706-E080



 Approximate Boundary
of Subject Site

 *Soil Engineers Ltd.*

Title:
Site Location Plan

Project:
Due Diligence for Land
Acquisition, 750 Lockhart Road,
City of Barrie

Reference No. 1706-E080

Date: June 16, 2017

Scale:
See Drawing

Drawing No. 1





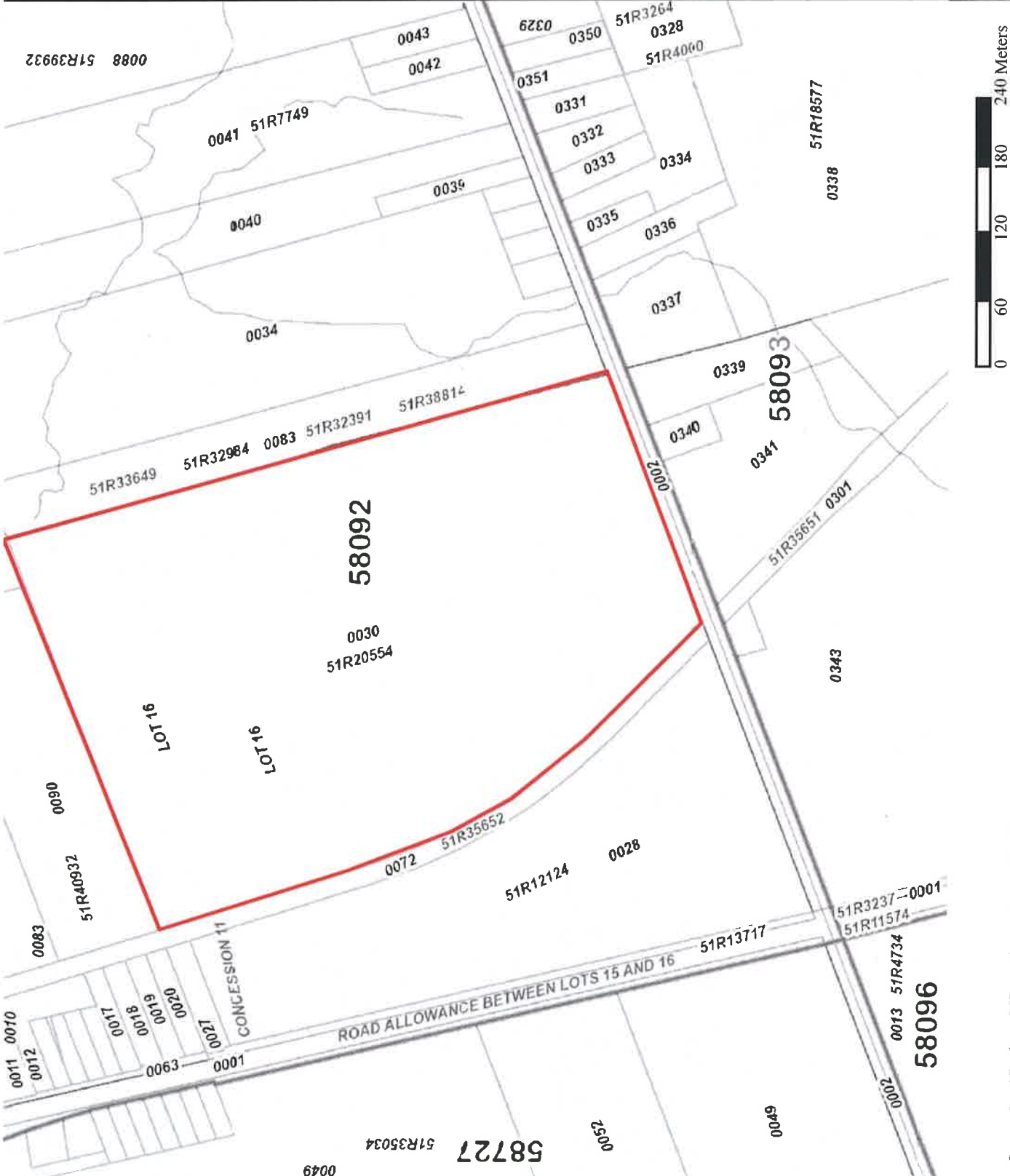


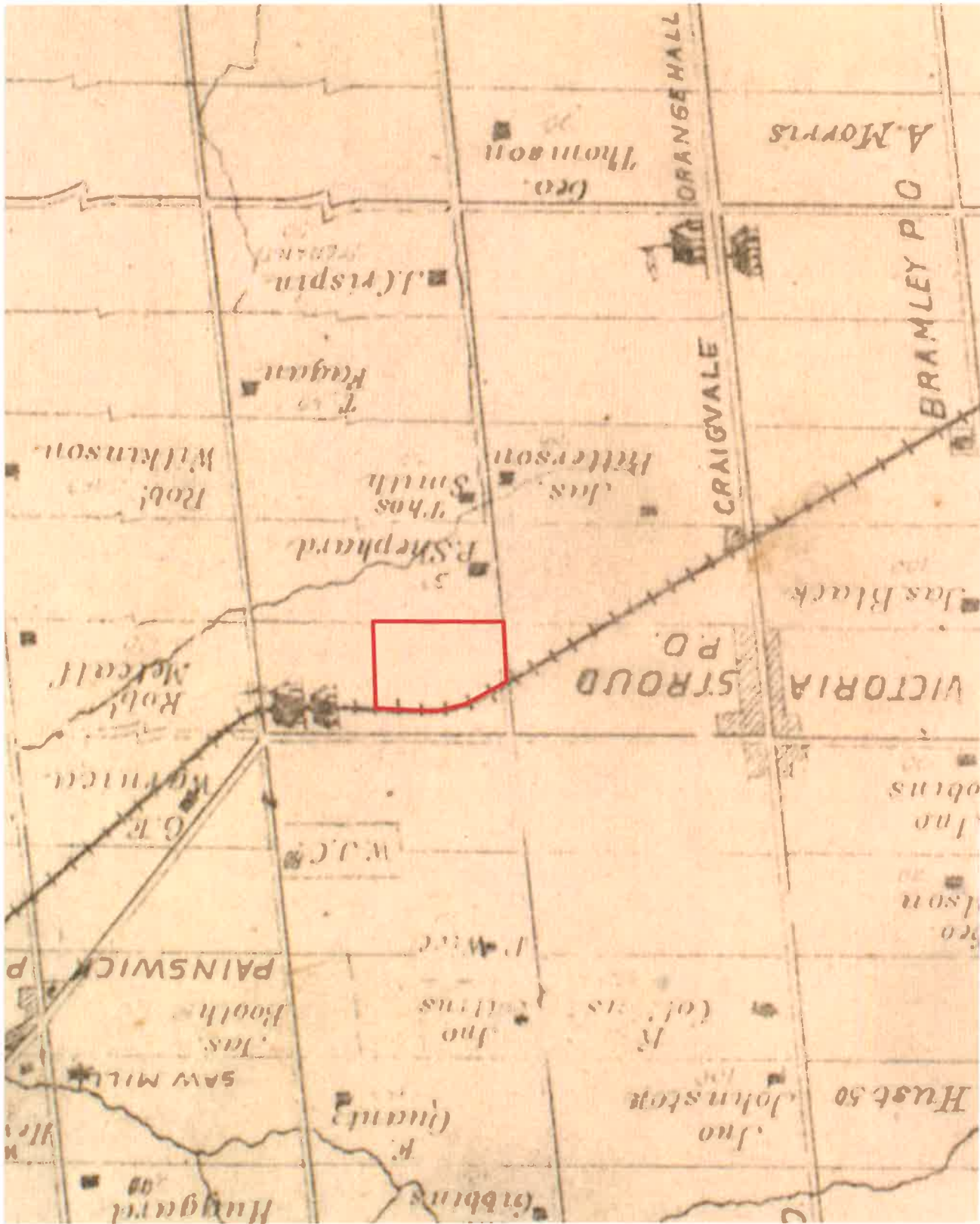
Approximate Boundary
of Subject Site



Soil Engineers Ltd.

Title:	Property Index Map
Project: Due Diligence for Land Acquisition, 750 Lockhart Road, City of Barrie	
Reference No. 1706-E080	
Date: June 16, 2017	
Scale: See Drawing	
Drawing No. 2	





Approximate Boundary
of Subject Site



Soil Engineers Ltd.

Title:

1881 Historical Map

Project:

Due Diligence for Land
Acquisition, 750 Lockhart Road,
City of Barrie

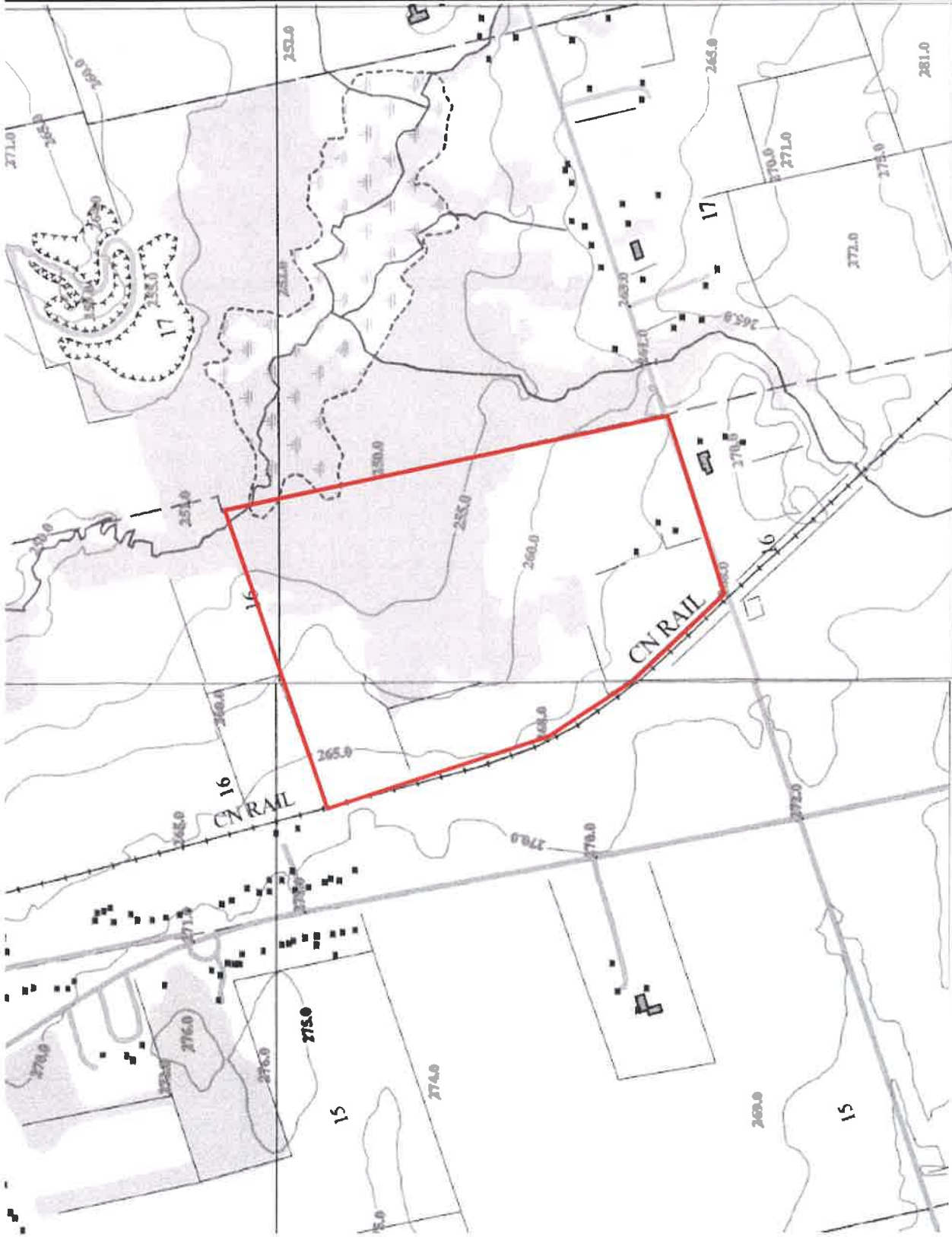
Reference No. 1706-E080

Date: June 16, 2017

Scale:

Not To Scale

Drawing No. 3



Approximate Boundary
of Subject Site



Soil Engineers Ltd.

Title:

2003 Ontario Base Map

Project:

Due Diligence for Land
Acquisition, 750 Lockhart Road,
City of Barrie

Reference No. 1706-E080

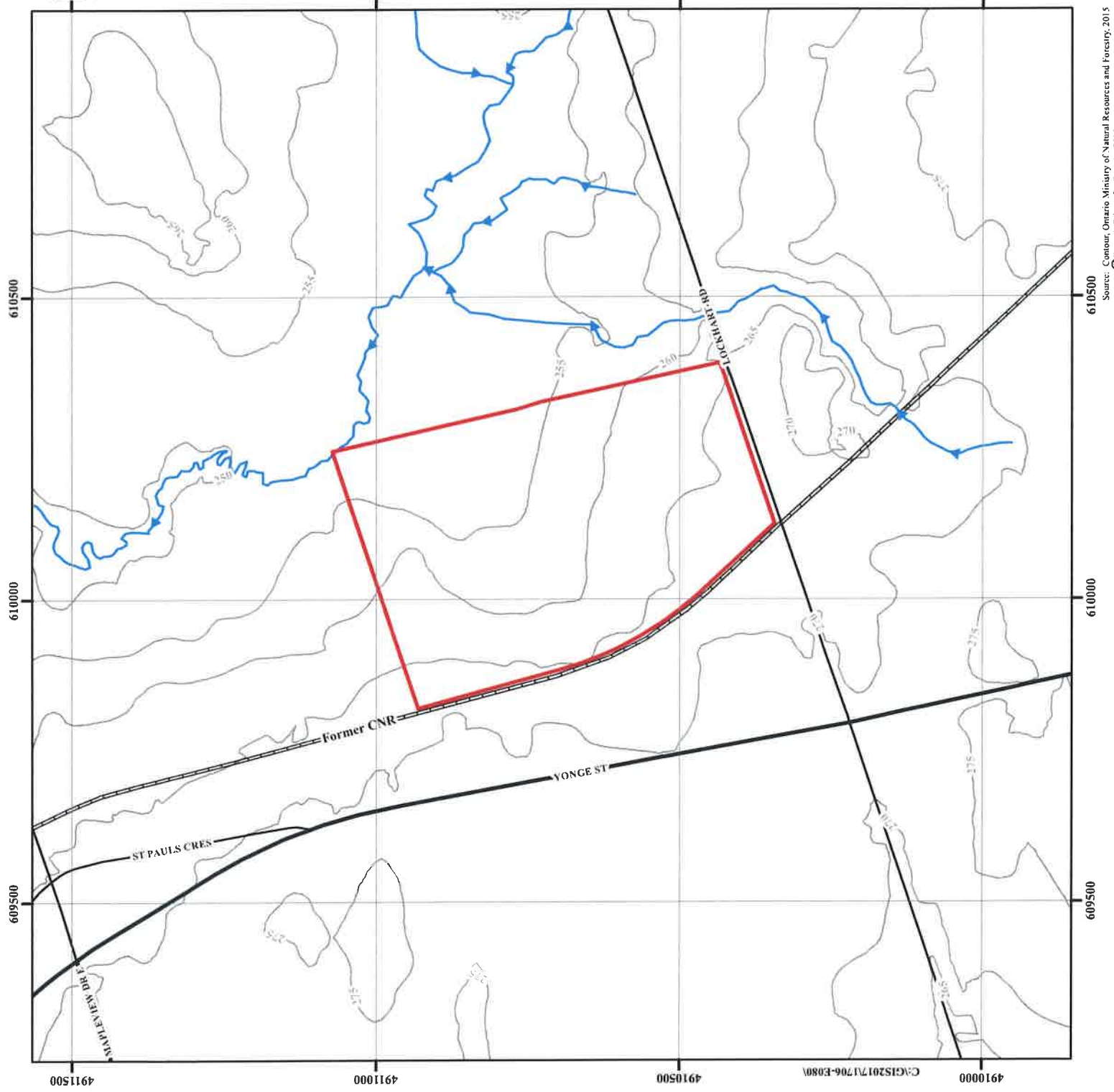
Date: June 16, 2017

Scale:

See Drawing

Drawing No. 4





- Subject Site
- > Watercourse
- Major Road
- Local Road
- Railway
- Topographic Contour (masl)



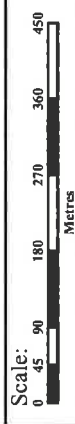
Soil Engineers Ltd.

Title: Topographic Map

Project:
Due Dilligence for Land Acquisition
750 Lockhart Road
City of Barrie

Reference No. 1706-E080

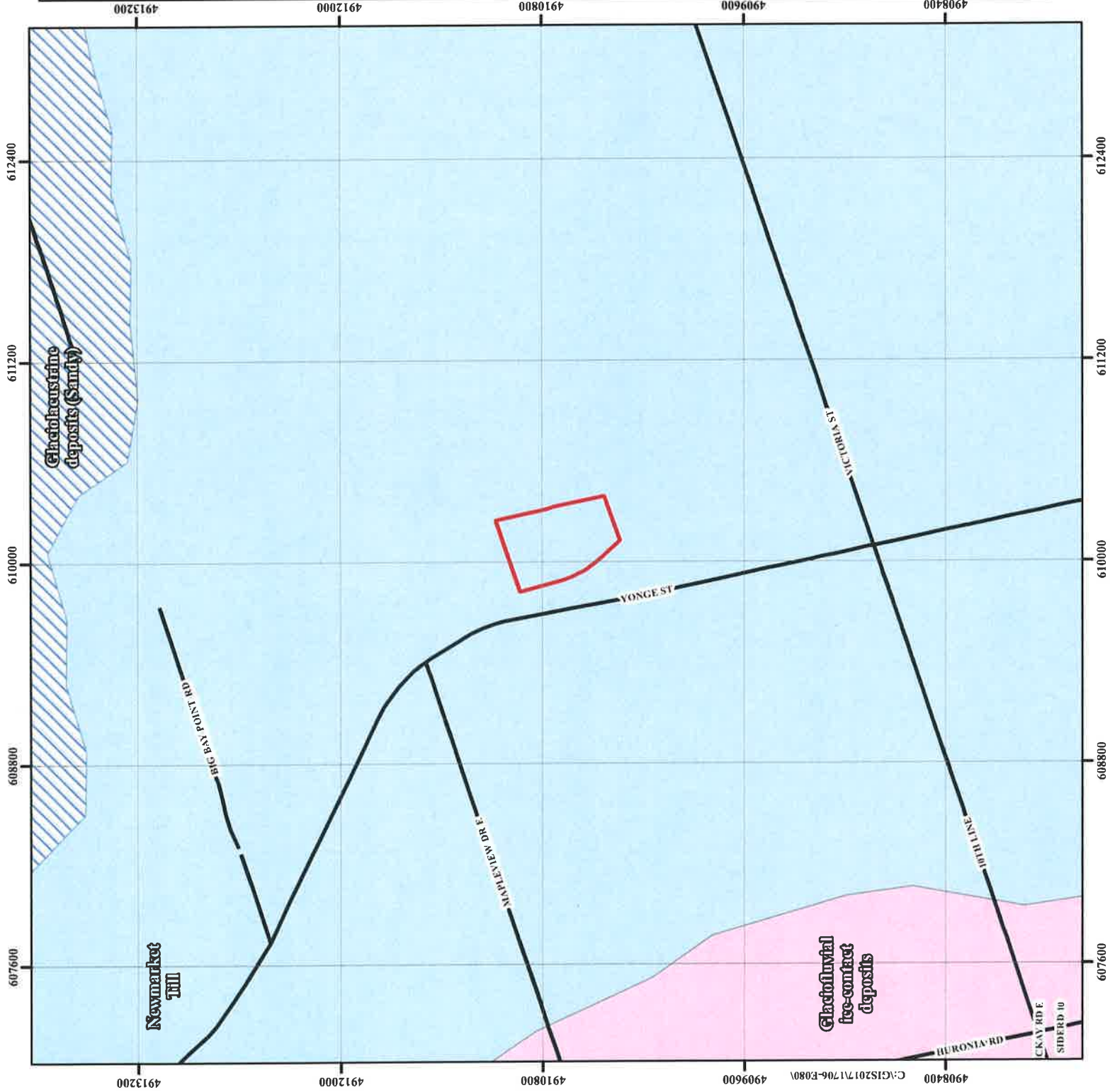
Date: June 16, 2017



Drawing No. 5

Source: Water Body, Ontario Ministry of Natural Resources and Forestry, 2015
 © Queen's Printer for Ontario, 2015
 Source: Water Course, Ontario Ministry of Natural Resources and Forestry, 2015
 © Queen's Printer for Ontario, 2015

Source: Contour, Ontario Ministry of Natural Resources and Forestry, 2015
 © Queen's Printer for Ontario, 2015



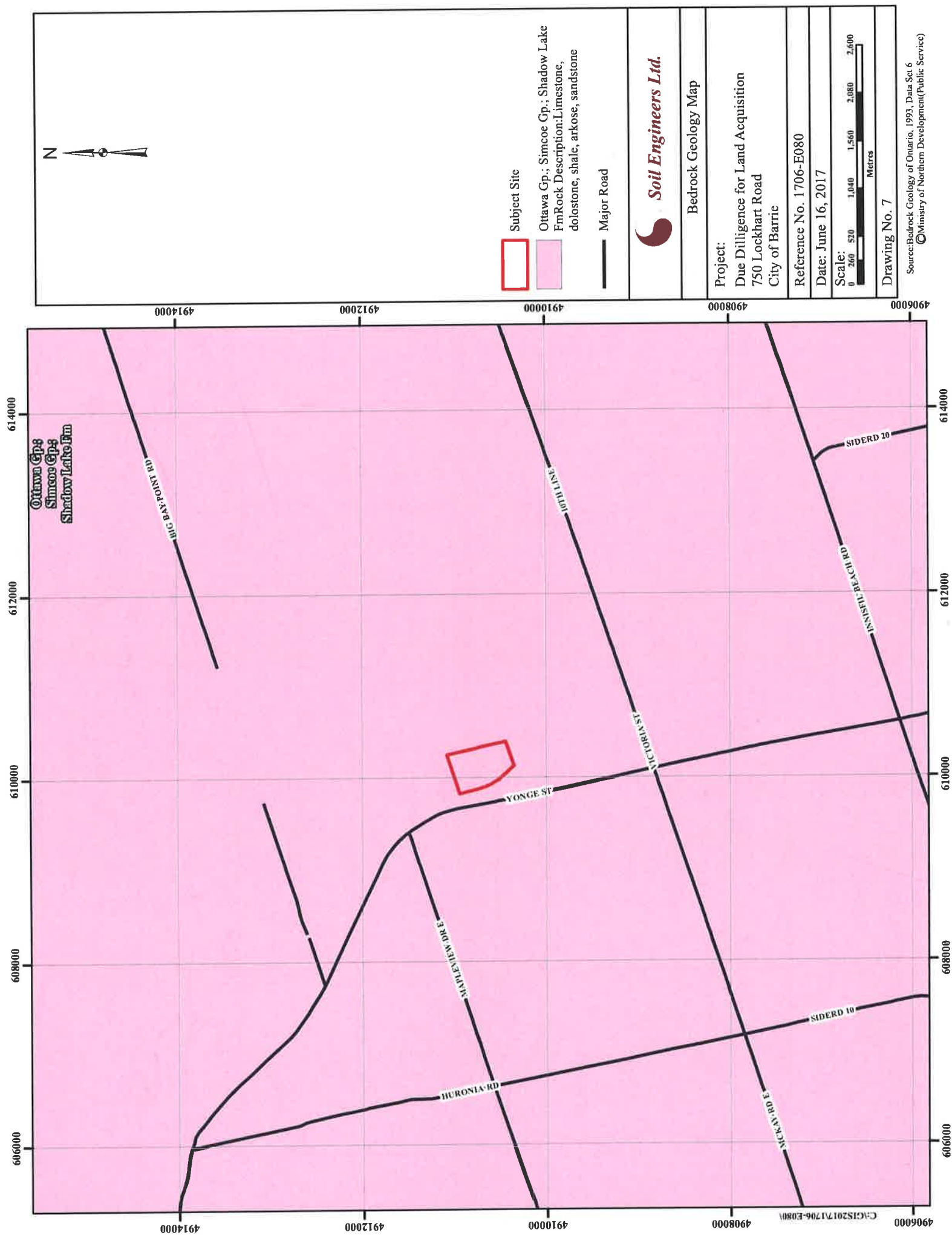
- Subject Site
- Glaciofluvial ice-contact deposits
Material: gravel and sand, minor till, ice-marginal delta and subaqueous fan deposits
- Glaciolacustrine deposits (Sandy)
Material: sand, gravelly sand and gravel, nearshore and beach deposits
- Newmarket Till
Material: sandy silt to silt matrix, moderate to high matrix carbonate content, clast content moderate to high
- Major Road



Soil Engineers Ltd.

Title: Surface Geology Map
Project: Due Dilligence for Land Acquisition 750 Lockhart Road City of Barrie
Reference No. 1706-E080
Date: June 16, 2017
Scale: 0 165 330 660 990 1320 1650 Metres
Drawing No. 6

Source: Ontario Geological Survey, 1997,
Surface Geology of Ontario: Ontario Geological Survey,
Miscellaneous Released-Data 0014





Approximate Location
of Subject Site



Soil Engineers Ltd.

Title:

Watershed Map

Project:

Due Diligence for Land
Acquisition, 750 Lockhart Road,
City of Barrie

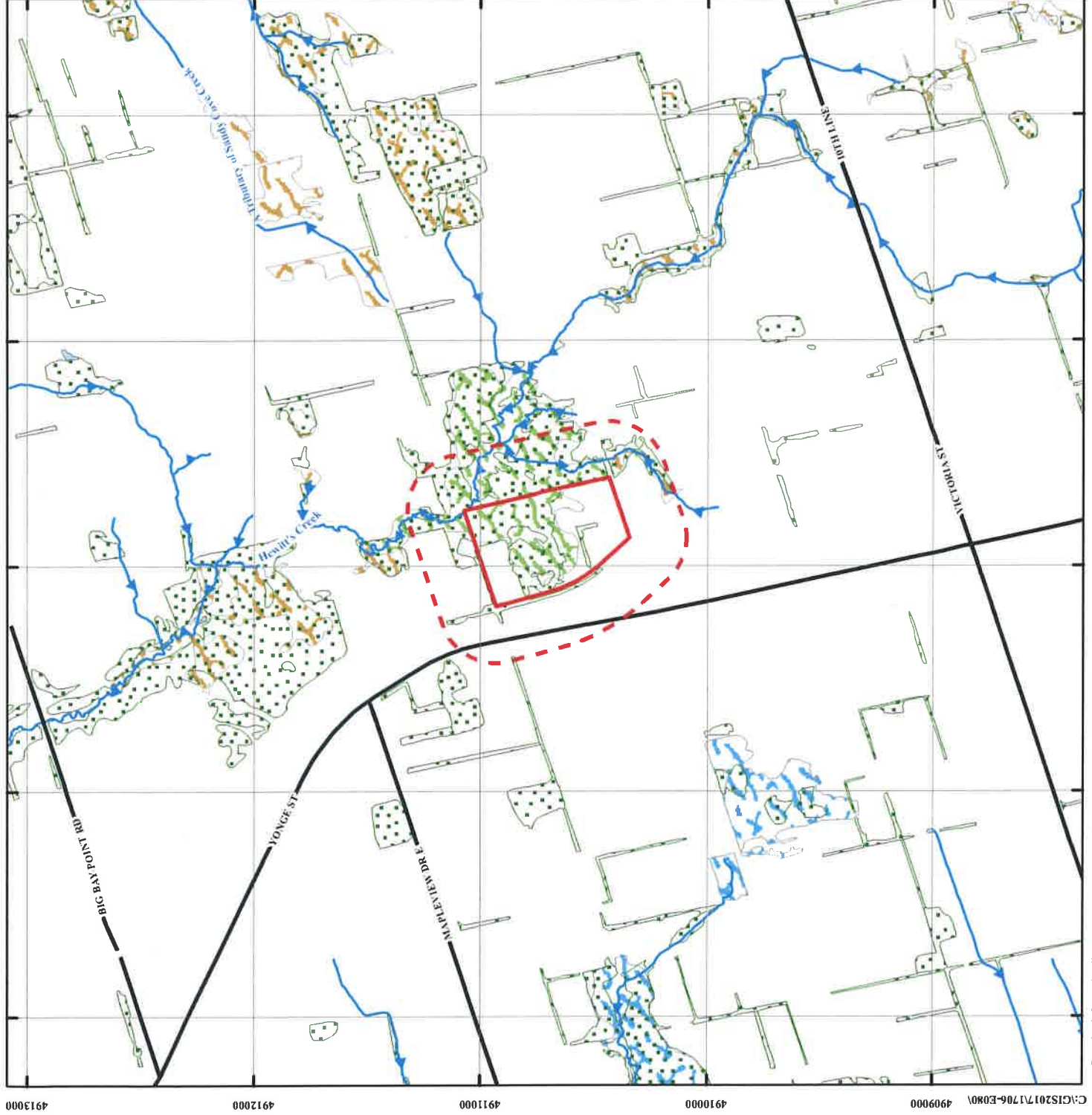
Reference No. 1706-E080

Date: June 16, 2017

Scale:

See Drawing

Drawing No. 8



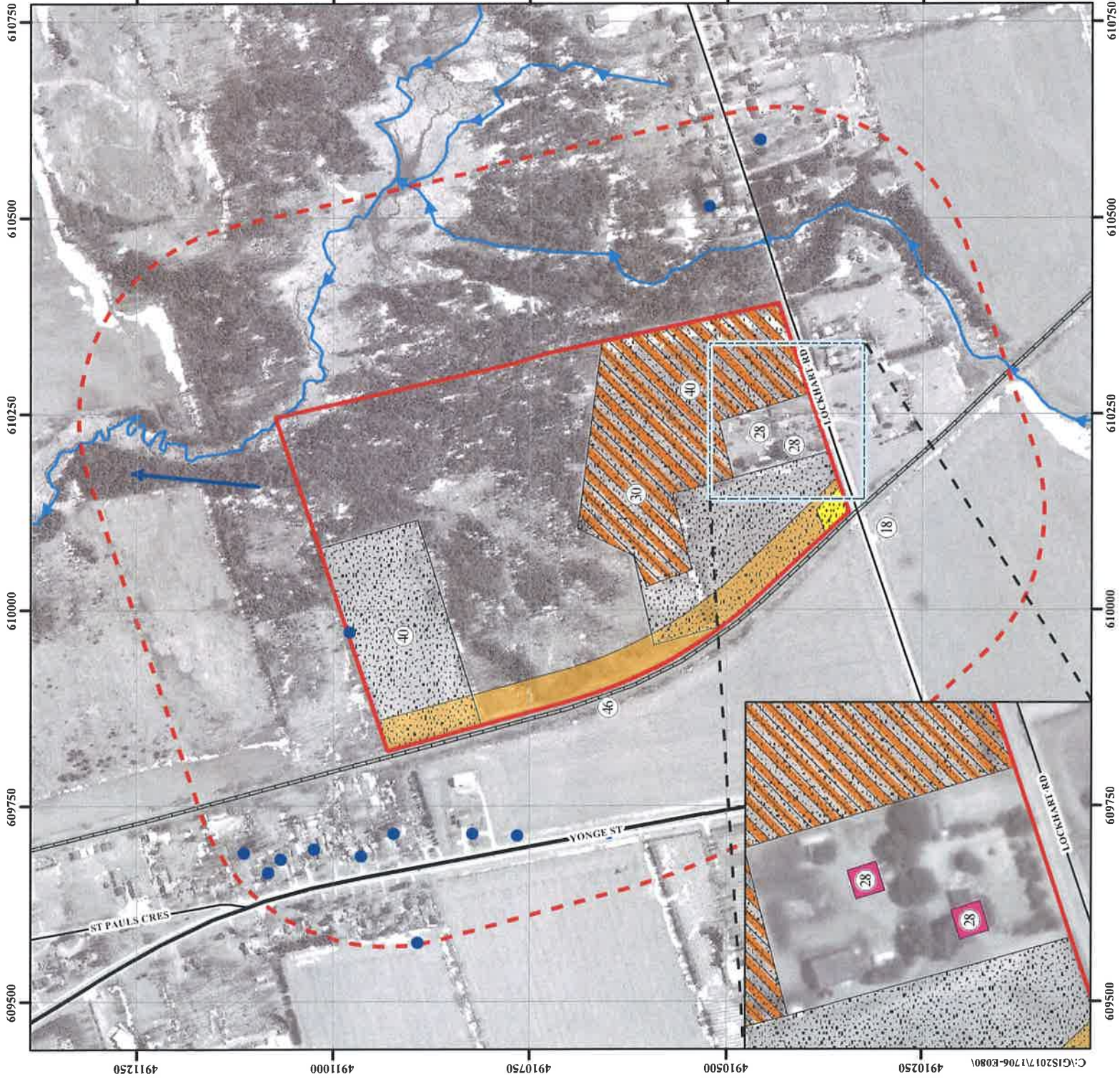
Legend:

- Subject Site
- Phase One Study Area
- Wetland (classified as Other)
- Wetland (classified as Provincial)
- Wetland (Not Evaluated per OWES)
- Wooded Area
- Waterbody
- Watercourse
- Major Road

Soil Engineers Ltd.

Title: Area of Natural Features and Protection Area Plan	
Project: Due Diligence for Land Acquisition 750 Lockhart Road City of Barrie	Reference No. 1706-E080 Date: June 16, 2017
Scale: 0 1,300 130 260 520 780 1,040 1,300 Metres	

Drawing No. 9



Legend

- Subject Site
- Phase One Study Area
- Water Well Location from MOECC Well Help Desk
- Inferred Groundwater Flow Direction
- Watercourse
- Major Road
- Local Road
- Railway

Potentially Contaminating Activities (PCAs)

- 18 Electricity Generation, Transformation, and Power Stations
- 28 Gasoline and Associated Products Storage in Fixed Tanks
- 30 Importation of Fill Material of Unknown Quality
- 40 Pesticides Manufacturing, Processing, Bulk Storage, and Applications
- 46 Rail Yards, Tracks, and Spurs

Areas of Potential Environmental Concern (APEC)

- APEC 1 & 2
- APEC 3
- APEC 4 & 5
- APEC 6
- APEC 7

Soil Engineers Ltd.

Title: Phase One Conceptual Site Plan

Project:
Due Diligence for Land Acquisition
750 Lockhart Road
City of Barrie

Reference No. 1706-E080

Date: June 16, 2017

Scale:
0
35
70
140
210
280
350
 Metres

Drawing No. 10

Source: Water Body, Ontario Ministry of Natural Resources and Forestry, 2015
 ©Queen's Printer for Ontario, 2015
 Source: Water Course, Ontario Ministry of Natural Resources and Forestry, 2015
 ©Queen's Printer for Ontario, 2015



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FAX: (705) 721-7864	FAX: (905) 542-2769	FAX: (905) 725-1315	FAX: (905) 881-8335	FAX: (705) 684-8522	FAX: (905) 725-1315	FAX: (905) 542-2769

APPENDIX 'A'

MPAC REPORT

REFERENCE NO. 1706-E080



Farm Property Report



Purchased Date: 15-06-2017



Property Address: 750 LOCKHART RD

Municipality: BARRIE CITY

Roll Number: 4342090037060000000

Assessed Value*: \$637,000

Property Code & Description 211 - Farm with residence - with or without secondary structures; with farm outbuildings

Legal Description: CON 11 S PT LOT 16 RP
51R20554 PART 1

Last Valid Sale Date (yyyy/mm/dd) 1989-09-01

Last Valid Sale Amount \$650,000

Services:

Hydro	Water	Sanitary	Heating	Air Conditioning
Y - Hydro available	A - Unspecified Service	A - Unspecified Service	FA - Forced Air	No

Lot Details:

Frontage (ft)	Depth (ft)	Site Area
-	-	65.95 A

Building Permit Information:

Currently, MPAC's records indicate that there are no building permits for this property.

Primary Structures:

Structure Code & Description	301 - SINGLE FAMILY DETACHED
Year Built	1890
Total Floor Area(Above Grade)(sq ft)	1,771
First Floor Area (sq ft)	1,121
Second Floor Area (sq ft)	650
Third Floor Area (sq ft)	-
Basement Total Area(sq ft)	483
Basement Finished Area(sq ft)	-
Full Storeys	1
Partial Storeys	1/2
Bedrooms	2

Full Bathrooms	1
Half Bathrooms	-
Renovation Year	-
Addition Year	-

Garage Structures:

Structure Code & Description	101 - DETACHED GARAGE
Year Built	1960
Total Area (sq ft)	535
Garage Spaces	-

Other Structures:

Structure Code & Description	102 - SHED
Year Built	1960
Total Area (sq ft)	186

Other Structures:

Structure Code & Description	201 - TYPE I BARN
Year Built	1900
Total Area (sq ft)	2,438

NOTE: Under the Assessment Act a number of changes have been made to the property assessment system, which became effective in the 2009 property tax year. These changes include the introduction of a four -year assessment update and a phase-in of assessment increases. For more information regarding Assessment Updates visit www.mpac.ca

*Assessed Value is based on a January 1, 2016 Valuation Date.

**Phased-In Assessment reflects the phased-in portion of the Assessed Value returned to the municipality/local taxing authority on the 2016 Assessment Roll for the 2017 taxation year.



Map and Photo Report



Purchased Date: 15-06-2017

Report Details

Address: 750 LOCKHART RD

Province: ON

Municipality: BARRIE CITY

Postal Code: L9J 0B6



Google

Map data ©2017 Google

Google

Map data ©2017 Google



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FAX: (705) 721-7864	FAX: (905) 542-2769	FAX: (905) 725-1315	FAX: (905) 881-8335	FAX: (705) 684-8522	FAX: (905) 725-1315	FAX: (905) 542-2769

APPENDIX 'B'

OWNERSHIP HISTORY

REFERENCE NO. 1706-E080



Ontario ServiceOntario

PARCEL REGISTER (ABBREVIATED) FOR PROPERTY IDENTIFIER

LAND
REGISTRY
OFFICE #51

PAGE 1 OF 1

PREPARED FOR JENNY PARK
ON 2017/06/23 AT 12:08:51

58092-0030 (LT)

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

PROPERTY DESCRIPTION: PT S 1/2 LT 16 CON 11 INNISFIL PT 1 S1R20554 ; INNISFIL

PROPERTY REMARKS:

ESTATE/QUALIFIER:
FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY:
FIRST CONVERSION FROM BOOK

PIN CREATION DATE:
1999/11/22

OWNERS' NAMES
BOWMAN, DONALD ANDREW

CAPACITY SHARE
BENO

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHRD
EFFECTIVE 2000/07/29 THE NOTATION OF THE "BLOCK IMPLEMENTATION DATE" OF 1999/11/22 ON THIS PIN						
WAS REPLACED WITH THE "PIN CREATION DATE" OF 1999/11/22						
** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 1999/11/19 **						
**SUBJECT, ON FIRST REGISTRATION UNDER THE LAND TITLES ACT, TO:						
** SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES *						
** AND ESCHEATS OR FORFEITURE TO THE CROWN,						
** THE RIGHTS OF ANY PERSON WHO WOULD, BUT FOR THE LAND TITLES ACT, BE ENTITLED TO THE LAND OR ANY PART OF						
** IT THROUGH LENGTH OF ADVERSE POSSESSION, PRESCRIPTION, MISDESCRIPTION OR BOUNDARIES SETTLED BY						
CONVENTION.						
** ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES.						
**DATE OF CONVERSION TO LAND TITLES: 1999/11/22 **						
S1R20554	1990/04/02	PLAN REFERENCE				C
RO1167809	1991/10/29	CERTIFICATE		*** COMPLETELY DELETED ***		
RO1387729	1998/08/07	TRANSFER	\$2		BOWMAN, DONALD ANDREW	C
SC605151	2007/11/23	APL (GENERAL)		*** COMPLETELY DELETED *** BOWMAN, DONALD ANDREW		
REMARKS: DELETES RO1167809						

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

TOWN		SHEET NO.		PLAN NO.		DESCRIPTION AND REMARKS	
NUMBER OF INSTRUMENT	INSTRUMENT	DATE OF INSTRUMENT	DATE OF REGISTRATION	GRANTOR	GRANTEE	CONSIDERATION	DESCRIPTION
13186	Patent	July 5, 1853		William Jackson	William Jackson	\$1/2	100 acres
13352	B.L.	Nov 9, 1853	Dec 5, 1853	William Jackson	John Jackson	\$1/2	Part of 100 acres R.P. Jackson
14218	B.L.	Nov 11, 1853	Jan 28, 1854	William Jackson	John Jackson	\$1/2	Part of 100 acres R.P. Jackson
16358	B.L.	Apr 7, 1853	June 1, 1853	William Jackson	John Jackson	\$1/2	Part of 100 acres R.P. Jackson
17730	Patent	Nov 1853	Jan 1854	William Jackson	John Jackson	\$1/2	Part of 100 acres R.P. Jackson
21799	B.L.	29 May 1853	29 June 1853	William Jackson	John Jackson	\$1/2	Part of 100 acres R.P. Jackson
32493	B.L.	29 June 1853	29 June 1853	William Jackson	John Jackson	\$1/2	Part of 100 acres R.P. Jackson

See next page

ДО ТИЗНИКОУ

Chiniquet

LOT NO. 16

THE

CONCRETE

[illegible]

Carried to Page 355 Book 4.

10

Current & Physical Book 4

Revenue - 1st

TOTAL OF CONCESSION

12900

32901

53506

35965

71000

37000

143774

213720

12900

DATE	DESCRIPTION	AMOUNT	REMARKS
1891	1st	12900	Revenue of 1st
1892	2nd	32901	Revenue of 2nd
1893	3rd	53506	Revenue of 3rd
1894	4th	35965	Revenue of 4th
1895	5th	71000	Revenue of 5th
1896	6th	37000	Revenue of 6th
1897	7th	143774	Revenue of 7th
1898	8th	213720	Revenue of 8th
1899	9th	12900	Revenue of 9th

TOWN Ship OF Lincoln
 LOT NO. 16
 Section 11
 PLAN NO.
 SHEET NO.

NUMBER OF INSTRUMENT	INSTRUMENT	DATE OF INSTRUMENT	GRANTOR	GRANTEE	CONSIDERATION	DESCRIPTION AND REMARKS
765513	Grant	82 05 14	WIDMAY Robert A.	JACKSON Brian H. JACKSON Patricia JT.	\$2,000.00	Wly 10ft of 32 lying West of CNR Railway
765514	Grant	82 05 14	JACKSON Brian H. JACKSON Patricia JT.	WIDMAY Robert A.	\$10,000.00	Land 26 x 100 ft 182392 12/12/89 afternoon
766163	Grant	82 05 25	JACKSON Brian H. JACKSON Patricia JT.	Landfill Farmers Credit Union Ltd.	\$35,000.00	Wly 10ft of 32, 30 x 100 ft, 30 x 100 ft, 30 x 100 ft 182394 12/12/89 afternoon
792365	Grant	83 04 29	Pinetree Development Co Ltd	JOHNSTON Ralph S. JOHNSTON Barbara D. JT	\$2,000.00	Part S $\frac{1}{2}$ of lot done by metes & bounds having a frontage of 100.763 metres on sly limit of parcel. Pt of comm on thereon
797881	Mort	83 06 22	JACKSON Brian H. JACKSON Patricia JT.	Ontario Mort Corp.	\$5,000.00	Pt S $\frac{1}{2}$ sec by metes & bounds having a frontage of 18.116 metres on Wly limit of parcel. Pt of Comm as therein. one 01173320 0117330

See Deposited Reference Plan 51R-11574, c2 12 29, Pt S $\frac{1}{2}$ & OL, Pt 1, MTC

See Deposited Reference Plan 51R-12124 83 09 21 (763518, 792365) Part S $\frac{1}{2}$ of lot being parts 1, 2, 3 (Rodney Raikes)

Township of Innisfil	SA	LOT NO.	GRANTOR	GRANTEE	Concession II	PLAN NO.	SHEET NO.
017693 Grant	DATE OF INSTRUMENT 19 12 83	JOHNSTON, Ralph S. JOHNSTON, Barbara D.	JACKSON, Brian H. JACKSON, Patricia JT		Pt 1 REFER AS Part 2 ON 017693		
<i>Interfered with July 1985 M. Paton, aged 18 - WALTER, Debbie A.</i>							
01026911 Const Lien	14 10 88	SINCOE COUNTY SCHOOL BOARD- BOARD OF EDUCATION	ROBERT TONG C.O.B. AS BEAVER CARPETS (Claimant)	\$11,289./ Pt. & OL.			
01032422 Cert of Action	28 11 88	SCO	ROBERT TONG C.O.B. AS BEAVER CARPETS (Plaintiff))	\$11,289./ Re: 01026911.			
01075834 Charge	89 09 08	BORMAN, John Andrew	INNISELL CREDIT UNION LTD.	\$170,000 Pt			
01075727 Transfer	89 09 22	BORMAN, John Andrew	813236 ONTARIO LTD.	650,000 PT			
Deposit	89 05 22	SEE DEPOSIT NO. 01078728		PT			
01078729 Charge	89 09 22	813236 ONTARIO LTD.	BORMAN, John Andrew	400,000 PT			
01086081 Agreement	89 11 07	813236 ONTARIO LIMITED	BORMAN, John Andrew	Amending Charge 01078729			
SL-20164	58 04 32						Pt. 25 DE 1. NO. 01077727

NUMBER OF INSTRUMENT	INSTRUMENT	DATE OF RECORDING	GRANTOR	GRANTEE	CONSIDERATION	DESCRIPTION AND REMARKS
01108664	Deposit	90 04 30	see Deposit No. 01108664			Pt Pt 1 Plan 51R-20554
01108665	Transfer	90 04 30	BOWMAN, John Andrew	813236 ONTARIO LTD.	\$2.00	Pt Pt 1 Plan 51R-20554
01108666	Transfer	90 04 30	813236 ONTARIO LTD.	757927 ONTARIO LTD.	\$1,088,657.91	Pt Pt 1 Plan 51R-20554
01108667	Charge	90 04 30	757927 ONTARIO LTD.	813236 ONTARIO LTD.	\$538,657.	Pt Pt 1 Plan 51R-20554
01108668	Order	90 10 10	S.C.O.			Discharging 01026911 Vacating 01034242
01108669	Charge	91 10 28	JACKSON, William JACKSON, Patricia	TRUSTEES CREDIT UNION LTD.	\$70,000	1) AS IN NO. 010318 2) RE: Pt 2 Plan 51R-20554
01108670	Certificate	91 10 29		MONARDO, Antonio (Plaintiff)		Pt Pt 1 Plan 51R-20554
01235301	Judgment	93 11 05	ONTARIO COURT	BOWMAN, John Andrew		Pt Pt 1 Plan 51R-20554. RE: 01078739 (foreclosure)
01235307	Transfer	94 07 14	BOWMAN, John Andrew	BOWMAN, John Andrew BOWMAN, Donald Andrew Jr.	2.00	Pt. Pt 1 51R-20554 Planning Act Statements

NUMBER OF INSTRUMENT	INSTRUMENT	DATE OF INSTRUMENT	DATE OF REGISTRATION	GRANTOR	GRANTEE	CONSIDERATION	PLAN NO.	SHE
13186	Patent	July 5, 1853		Crown	William Decland	$\frac{1}{2}$	100 400	
13352	P. S.	Jan 9, 1853	Dec 31, 1853	William Decland	John Watson & A. P. Decland	$\frac{1}{2}$	100 400	
16318	P. S.	Jan 11, 1853	Jan 28, 1854	William Decland	Decland, Decland & Decland	$\frac{1}{2}$	100 400	
16358	P. S.	Apr 9, 1853	Jan 1, 1855	"	Thomas & M. Decland	$\frac{1}{2}$	100 400	
17730	P. S.	May 22, 1853	Jan 14, 1855	John Decland & John Decland	Decland	$\frac{1}{2}$	100 400	
24494	P. S.	1 Aug 1853	Jan 1855	Decland, Decland & Decland	Decland	$\frac{1}{2}$	100 400	
24494	P. S.	29 Aug 1853	28 Aug 1853	R. Decland	Decland	$\frac{1}{2}$	100 400	
32493	P. S.	29 Aug 1853	29 Aug 1853	Decland & Decland	Decland	$\frac{1}{2}$	100 400	
32493	P. S.	"	"	Decland & Decland	Decland	$\frac{1}{2}$	100 400	

See next page

Page 5	DATE OF ACQUISITION	DATE OF EXPIRY	GRANTOR	GRANTEE	COMBINATION OF INTERESTS	QUANTITY OF LAND AND REMARKS
54496	2nd	6th 1899	John Lamb & Co. Ltd. at London & Calcutta	Edward Henry Bennett	7770	2nd lot out of 16 to Lot 16 in concession of Rail Road
54495	2nd	6th 1899	John Lamb & Co. Ltd. at London & Calcutta	Smiggle	7200	2nd lot out of 16 to Lot 16 in concession of Rail Road
54497	2nd	6th 1899	John Lamb & Co. Ltd. at London & Calcutta	Smiggle	7100	2nd lot out of 16 to Lot 16 in concession of Rail Road
54498	2nd	6th 1899	John Lamb & Co. Ltd. at London & Calcutta	Smiggle	7200	2nd lot out of 16 to Lot 16 in concession of Rail Road
54499	2nd	6th 1899	John Lamb & Co. Ltd. at London & Calcutta	Smiggle	7200	2nd lot out of 16 to Lot 16 in concession of Rail Road
54500	2nd	6th 1899	John Lamb & Co. Ltd. at London & Calcutta	Smiggle	7200	2nd lot out of 16 to Lot 16 in concession of Rail Road
54501	2nd	6th 1899	John Lamb & Co. Ltd. at London & Calcutta	Smiggle	7200	2nd lot out of 16 to Lot 16 in concession of Rail Road
54502	2nd	6th 1899	John Lamb & Co. Ltd. at London & Calcutta	Smiggle	7200	2nd lot out of 16 to Lot 16 in concession of Rail Road
54503	2nd	6th 1899	John Lamb & Co. Ltd. at London & Calcutta	Smiggle	7200	2nd lot out of 16 to Lot 16 in concession of Rail Road
54504	2nd	6th 1899	John Lamb & Co. Ltd. at London & Calcutta	Smiggle	7200	2nd lot out of 16 to Lot 16 in concession of Rail Road
54505	2nd	6th 1899	John Lamb & Co. Ltd. at London & Calcutta	Smiggle	7200	2nd lot out of 16 to Lot 16 in concession of Rail Road
54506	2nd	6th 1899	John Lamb & Co. Ltd. at London & Calcutta	Smiggle	7200	2nd lot out of 16 to Lot 16 in concession of Rail Road
54507	2nd	6th 1899	John Lamb & Co. Ltd. at London & Calcutta	Smiggle	7200	2nd lot out of 16 to Lot 16 in concession of Rail Road
54508	2nd	6th 1899	John Lamb & Co. Ltd. at London & Calcutta	Smiggle	7200	2nd lot out of 16 to Lot 16 in concession of Rail Road
54509	2nd	6th 1899	John Lamb & Co. Ltd. at London & Calcutta	Smiggle	7200	2nd lot out of 16 to Lot 16 in concession of Rail Road
54510	2nd	6th 1899	John Lamb & Co. Ltd. at London & Calcutta	Smiggle	7200	2nd lot out of 16 to Lot 16 in concession of Rail Road
54511	2nd	6th 1899	John Lamb & Co. Ltd. at London & Calcutta	Smiggle	7200	2nd lot out of 16 to Lot 16 in concession of Rail Road
54512	2nd	6th 1899	John Lamb & Co. Ltd. at London & Calcutta	Smiggle	7200	2nd lot out of 16 to Lot 16 in concession of Rail Road
54513	2nd	6th 1899	John Lamb & Co. Ltd. at London & Calcutta	Smiggle	7200	2nd lot out of 16 to Lot 16 in concession of Rail Road
54514	2nd	6th 1899	John Lamb & Co. Ltd. at London & Calcutta	Smiggle	7200	2nd lot out of 16 to Lot 16 in concession of Rail Road
54515	2nd	6th 1899	John Lamb & Co. Ltd. at London & Calcutta	Smiggle	7200	2nd lot out of 16 to Lot 16 in concession of Rail Road
54516	2nd	6th 1899	John Lamb & Co. Ltd. at London & Calcutta	Smiggle	7200	2nd lot out of 16 to Lot 16 in concession of Rail Road
54517	2nd	6th 1899	John Lamb & Co. Ltd. at London & Calcutta	Smiggle	7200	2nd lot out of 16 to Lot 16 in concession of Rail Road
54518	2nd	6th 1899	John Lamb & Co. Ltd. at London & Calcutta	Smiggle	7200	2nd lot out of 16 to Lot 16 in concession of Rail Road
54519	2nd	6th 1899	John Lamb & Co. Ltd. at London & Calcutta	Smiggle	7200	2nd lot out of 16 to Lot 16 in concession of Rail Road
54520	2nd	6th 1899	John Lamb & Co. Ltd. at London & Calcutta	Smiggle	7200	2nd lot out of 16 to Lot 16 in concession of Rail Road

Conceded to Page 354-Book 4

Conceded to Page 355-Book 4



Transfer/Deed of Land

Form 1 - Land Registration Reform Act, 1984

1

A

FOR OFFICE USE ONLY 01387729 Province of Ontario CERTIFICATE OF REGISTRATION SINGLE (S) FORM '98 08 7 09 37 <i>John Andrew Bowman</i> New Property Identifiers Additional: See Schedule ☐ Executions Additional: See Schedule ☐		(1) Registry ☒ Land Titles ☐	(2) Page 1 of 3 pages <i>1P</i>
		(3) Property Identifier(s) Block Property	Additional: See Schedule ☐
		(4) Consideration TWO-----00/100 Dollars \$ 2.00	
		(5) Description This is a: Property Division ☐ Property Consolidation ☐ Part of the South half of Lot 16, Concession 11, Township of Innisfil, now Town of Innisfil, County of Simcoe, and being designated as Part 1, on Reference Plan 51R-20554.	
(6) This Document Contains	(a) Redescription New Easement Plan/Sketch ☐	(b) Schedule for: Description ☐ Additional Parties ☐ Other ☒	(7) Interest/Estate Transferred Fee Simple
(8) Transferor(s) The transferor hereby transfers the land to the transferee and certifies that the transferor is at least eighteen years old and that I, John Andrew Bowman, am a spouse. The property transferred is not ordinarily occupied by me and my spouse, who is not separated from me, as our family residence. Name(s) Signature(s) Date of Signature BOWMAN, John Andrew <i>John A. Bowman</i> 1998 06 20 BOWMAN, Donald Andrew <i>Donald Bowman</i> 1998 07 16 as joint tenants			
(9) Spouse(s) of Transferor(s) I hereby consent to this transaction Name(s) Signature(s) Date of Signature 			
(10) Transferor(s) Address for Service R.R. No. 1, St. Agatha, Ontario, NOB 2L0			
(11) Transferee(s) BOWMAN, Donald Andrew Date of Birth 1952 09 20			
(12) Transferee(s) Address for Service R.R. No. 1, St. Agatha, Ontario, NOB 2L0			
(13) Transferor(s) The transferor verifies that to the best of the transferor's knowledge and belief, this transfer does not contravene section 49 of the Planning Act, 1983. Date of Signature 1998 06 20 Signature <i>Robert J. Hare</i> Date of Signature 1998 06 20 Signature <i>Robert J. Hare</i> Solicitor for Transferor(s) I have explained the effect of section 49 of the Planning Act, 1983 to the transferor and I have made inquiries of the transferor to determine that this transfer does not contravene that section and based on the information supplied by the transferor, to the best of my knowledge and belief, this transfer does not contravene that section. I am an Ontario solicitor in good standing. Name and Address of Solicitor Robert J. Hare, Barrister & Solicitor 741 King St. West, Kitchener, Ont. Date of Signature 1998 06 20 Signature <i>Robert J. Hare</i>			
(14) Solicitor for Transferee(s) I have investigated the title to this land and to abutting land where relevant and I am satisfied that the title records reveal no contravention as set out in subclause 49 (21a) (c) (ii) of the Planning Act, 1983 and that to the best of my knowledge and belief this transfer does not contravene section 49 of the Planning Act 1983. I act independently of the solicitor for the transferor(s) and I am an Ontario solicitor in good standing. Name and Address of Solicitor Date of Signature Signature			
(15) Assessment Roll Number of Property City Mun Map Sub Par 43 16 000 037 06000			
(16) Municipal Address of Property R.R. No. 1, Stroud, Ontario, LOL 2M0		(17) Document Prepared by: ROBERT J. HARE Barrister & Solicitor 741 King St. West Kitchener, Ontario, N2G 1E3	
FOR OFFICE USE ONLY		Fees and Tax	
		Registration Fee <i>20</i>	
		Land Transfer Tax <i>NI</i>	
		Total <i>20</i>	

Box (8) Transferor(s) (Continued)

I, Donald Andrew Bowman, am a spouse. The property transferred is not ordinarily occupied by me and my spouse, who is not separated from me, as our family residence.

Affidavit of Residence and of Value of the Consideration Form 1 - Land Transfer Tax Act

Refer to all instructions on reverse side.
IN THE MATTER OF THE CONVEYANCE OF Part of the South half of Lot 16,
Concession 11, Township of Innisfil, now Town of Innisfil, County of Simcoe, and
being designated as Part 1, on Reference Plan 51R-20554.

BY (print names of all transferors in full) JOHN ANDREW BOWMAN and
DONALD ANDREW BOWMAN
TO (see instruction 1 and print names of all transferees in full) DONALD ANDREW BOWMAN
1. (see instruction 2 and print name(s) in full) DONALD ANDREW BOWMAN

MAKE OATH AND SAY THAT:

1. I am (place a clear mark within the square opposite that one of the following paragraphs that describes the capacity of the deponent(s)): (see instruction 2)

- ☐ (a) A person in trust for whom the land conveyed in the above-described conveyance is being conveyed;
☐ (b) A trustee named in the above-described conveyance to whom the land is being conveyed;
☒ (c) A transferee named in the above-described conveyance;
☐ (d) The authorized agent or solicitor acting in this transaction for (insert name(s) of principal(s)) _____
described in paragraph(s) (a), (b), (c) above: (strike out references to inapplicable paragraphs)
☐ (e) The President, Vice-President, Manager, Secretary, Director, or Treasurer authorized to act for (insert name(s) of corporation(s)) _____
described in paragraph(s) (a), (b), (c) above: (strike out references to inapplicable paragraphs)
☐ (f) A transferee described in paragraph () (insert only one of paragraph (a), (b) or (c) above, as applicable) and am making this affidavit on my own behalf and on behalf of (insert name of spouse) _____ who is my spouse described in paragraph () (insert only one of paragraph (a), (b) or (c) above, as applicable) and as such, I have personal knowledge of the facts herein deposed to.

2. (To be completed where the value of the consideration for the conveyance exceeds \$400,000).

- I have read and considered the definition of "single family residence" set out in clause 1(1)(a) of the Act. The land conveyed in the above-described conveyance
☐ contains at least one and not more than two single family residences. **Note: Clause 2(1)(d) imposes an additional tax at the rate of one-half of one per cent upon the value of consideration in excess of \$400,000 where the conveyance contains at least one and not more than two single family residences.**
☐ does not contain a single family residence.
☐ contains more than two single family residences. (see instruction 3)

3. I have read and considered the definitions of "non-resident corporation" and "non-resident person" set out respectively in clauses 1(1)(f) and (g) of the Act and each of the following persons to whom or in trust for whom the land is being conveyed in the above-described conveyance is a "non-resident corporation" or a "non-resident person" as set out in the Act. (see instructions 4 and 5) None

4. THE TOTAL CONSIDERATION FOR THIS TRANSACTION IS ALLOCATED AS FOLLOWS:

(a) Monies paid or to be paid in cash	\$ 2.00	
(b) Mortgages: (i) Assumed (show principal and interest to be credited against purchase price)	\$ Nil	
(ii) Given back to vendor	\$ Nil	
(c) Property transferred in exchange (detail below)	\$ Nil	
(d) Securities transferred to the value of (detail below)	\$ Nil	
(e) Liens, legacies, annuities and maintenance charges to which transfer is subject	\$ Nil	
(f) Other valuable consideration subject to land transfer tax (detail below)	\$ Nil	
(g) VALUE OF LAND, BUILDING, FIXTURES AND GOODWILL SUBJECT TO LAND TRANSFER TAX (Total of (a) to (f))	\$ 2.00	\$ 2.00
(h) VALUE OF ALL CHATTELS - Items of tangible personal property (detail below)	\$ Nil	
(i) Other consideration for transaction not included in (g) or (h) above	\$ Nil	
(j) TOTAL CONSIDERATION	\$ 2.00	

All Blank
Must Be
Filed In
Insert "Nil"
Where
Applicable

5. If consideration is nominal, describe relationship between transferor and transferee and state purpose of conveyance. (see instruction 5) Father to son - gift

6. If the consideration is nominal, is the land subject to any encumbrance? No

7. Other remarks and explanations, if necessary.

Sworn before me at the City of Kitchener
in the Regional Municipality of Waterloo
this 14th day of July 1998

A Commissioner for taking Affidavits, etc.

Donald Bowman
DONALD ANDREW BOWMAN

Property Information Record

- A. Describe nature of instrument: Transfer
B. (i) Address of property being conveyed (if available) R.R. No. 1
Stroud, Ontario, L0L 2M0
(ii) Assessment Roll No. (if available) 43-16-000-037-06000
C. Mailing address(es) for future Notices of Assessment under the Assessment Act for property being conveyed (see instruction 7) R.R. No. 1
St. Agatha, Ontario, N0B 2L0
D. (i) Registration number for last conveyance of property being conveyed (if available) _____
(ii) Legal description of property conveyed: Same as in D.(i) above. Yes ☐ No ☐ Not known ☐
E. Name(s) and address(es) of each transferee's solicitor
Robert J. Hare, Barrister & Solicitor
741 King St. West
Kitchener, Ontario, N2G 1E3

For Land Registry Office Use Only	
Registration No.	
Registration Date	Land Registry Office No.

School Tax Support (Voluntary Election) See reverse for explanation

- (a) Are all individual transferees Roman Catholic? Yes ☐ No ☐
(b) If Yes, do all individual transferees wish to be Roman Catholic Separate School Supporters? Yes ☐ No ☐
(c) Do all individual transferees have French Language Education Rights? Yes ☐ No ☐
(d) If Yes, do all individual transferees wish to support the French Language School Board (where established)? Yes ☐ No ☐
NOTE: As to (c) and (d) the land being transferred will be assigned to the French Public School Board or Sector unless otherwise directed in (a) and (b).



Soil Engineers Ltd.

CONSULTING ENGINEERS

GEOTECHNICAL • ENVIRONMENTAL • HYDROGEOLOGICAL • BUILDING SCIENCE

90 WEST BEAVER CREEK ROAD, SUITE #100, RICHMOND HILL, ONTARIO L4B 1E7 • TEL (416) 754-8515 • FAX (905) 881-8335

BARRIE	MISSISSAUGA	OSHAWA	NEWMARKET	GRAVENHURST	PETERBOROUGH	HAMILTON
TEL: (705) 721-7863	TEL: (905) 542-7605	TEL: (905) 440-2040	TEL: (905) 853-0647	TEL: (705) 684-4242	TEL: (905) 440-2040	TEL: (905) 777-7956
FAX: (705) 721-7864	FAX: (905) 542-2769	FAX: (905) 725-1315	FAX: (905) 881-8335	FAX: (705) 684-8522	FAX: (905) 725-1315	FAX: (905) 542-2769

APPENDIX 'C'

FREEDOM OF INFORMATION (FOI)

REFERENCE NO. 1706-E080



Ministry of
Environment
and Energy

1706-E080

\$ 35

Freedom of Information Request

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

Requester Data			For Ministry Use Only	
Name, Title, Company Name and Mailing Address of Requester Samiya Tabassum Soil Engineers Ltd. 90 West Beaver Creek Unit 100 Richmond Hill, Ontario L4B 1E7 Email Address: samiya.tabassum@soilengineersltd.com			FOI Request No.	Date Request Received
			Fee Paid \$ ☐ ACCT ☐ CHQ ☐ VISA/MC ☐ CASH	
Telephone/Fax Nos. Tel : 416-754-8515 Fax : 416-754-8516	Your Project/Reference No. 1706-E080	Signature of Requester 	☐ CNR ☐ ER ☐ NOR ☐ SWR ☐ WCR ☐ SAC ☐ IEB ☐ EAA ☐ EMR ☐ SWA	
Request Parameters				
Municipal Address / Lot, Concession, Geographic Township (Municipal address essential for cities, towns or regions) 750 Lockhart Road, Barrie				
Present Property Owner(s) and Date(s) of Ownership Donald Andrew Bowman (1998 – Present)				
Previous Property Owner(s) and Date(s) of Ownership John Andrew Bowman and Donald Andrew Bowman (1994 – 1998)				
Present/Previous Tenant(s), (if applicable)				
Search Parameters Files older than 2 years may require \$60.00 retrieval cost. There is no guarantee that records responsive to your request will be located.			Specify Year(s) Requested	
Environmental concerns (General correspondence, occurrence reports, abatement)			All years	
Orders			All years	
Spills			All years	
Investigations/prosecutions ▶ Owner and tenant information must be provided			All years	
Waste Generator number/classes			All years	
Certificates of Approval ▶ Proponent information must be provided 1987 and prior records are searched manually. Search fees in excess of \$300.00 could be incurred, depending on the types and years to be searched. Specify Certificates of Approval number (s) (if known). If supporting documents are also required, mark SD box and specify type e.g. maps, plans, reports, etc.				
			SD	Specify Year(s) Requested
air – emissions				
water - mains, treatment, ground level, standpipes & elevated storage, pumping stations (local & booster)				
sewage - sanitary, storm, treatment, stormwater, leachate & leachate treatment & sewage pump stations				
waste water - industrial discharge				
waste sites - disposal, landfill sites, transfer stations, processing sites, incinerator sites				
waste systems	- haulers: sewage, non-hazardous & hazardous waste, mobile waste processing units, PCB destruction			
pesticides – licenses				

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

Ministry of the Environment
and Climate Change

Freedom of Information and
Protection of Privacy Office

12th Floor
40 St. Clair Avenue West
Toronto ON M4V 1M2
Tel: (416) 314-4075
Fax: (416) 314-4285

Ministère de l'Environnement et de
l'Action en matière de changement
climatique

Bureau de l'accès à l'information et
de la protection de la vie privée

12^e étage
40, avenue St. Clair ouest
Toronto ON M4V 1M2
Tél. : (416) 314-4075
Télééc.: (416) 314-4285



August 16, 2017

Samiya Tabassum
Soil Engineers Ltd.
Unit 100-90 West Beaver Creek
Richmond Hill, ON L4B 1E7

Dear Samiya Tabassum:

RE: ***Freedom of Information and Protection of Privacy Act Request***
Our File # A-2017-05802, Your Reference 1706-E080

The Ministry is in receipt of your request made pursuant to the *Freedom of Information and Protection of Privacy Act* and has received your payment in the amount of \$5.00 (non-refundable application fee), along with your \$30.00 deposit.

The search is being conducted on the following: 750 Lockhart Rd, Barrie. If there is any discrepancy please contact us immediately.

You may expect a reply or additional communication as your request is processed. For your information, the Ministry charges for search, copying and preparation time.

If you have any questions regarding this matter, please contact Jeneska Abano at jeneska.abano@ontario.ca.

Yours truly,

For 
Janet Dadufalza
FOI Manager



Soil Engineers Ltd.

CONSULTING ENGINEERS

GEOTECHNICAL • ENVIRONMENTAL • HYDROGEOLOGICAL • BUILDING SCIENCE

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BARRIE	MISSISSAUGA	OSHAWA	NEWMARKET	GRAVENHURST	PETERBOROUGH	HAMILTON
TEL: (705) 721-7863	TEL: (905) 542-7605	TEL: (905) 440-2040	TEL: (905) 853-0647	TEL: (705) 684-4242	TEL: (905) 440-2040	TEL: (905) 777-7956
FAX: (705) 721-7864	FAX: (905) 542-2769	FAX: (905) 725-1315	FAX: (905) 881-8335	FAX: (705) 684-8522	FAX: (905) 725-1315	FAX: (905) 542-2769

APPENDIX 'D'

ECOLOGERIS REPORT

REFERENCE NO. 1706-E080



DATABASE REPORT

Project Property: 750 Lockhard Rd, Barrie
750 Lockhart Rd
Innisfil ON L9J0B6
Project No: 1706-E080
Report Type: Quote - Custom-Build Your Own Report
Order No: 20170615077
Requested by: Soil Engineers Ltd.
Date Completed: June 21, 2017

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

www.erisinfo.com

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

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Executive Summary

Property Information:

Project Property: 750 Lockhard Rd, Barrie
750 Lockhart Rd Innisfil ON L9J0B6

Project No: 1706-E080

Order Information:

Order No: 20170615077
Date Requested: June 15, 2017
Requested by: Soil Engineers Ltd.
Report Type: Quote - Custom-Build Your Own Report

Additional Products:

Executive Summary: Report Summary

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

Database	Name	Searched	Project Property	Boundary to 0.25km	Total
NCPL	<i>Non-Compliance Reports</i>	Y	0	0	0
NDFT	<i>National Defense & Canadian Forces Fuel Tanks</i>	Y	0	0	0
NDSP	<i>National Defense & Canadian Forces Spills</i>	Y	0	0	0
NDWD	<i>National Defence & Canadian Forces Waste Disposal Sites</i>	Y	0	0	0
NEBI	<i>National Energy Board Pipeline Incidents</i>	Y	0	0	0
NEBW	<i>National Energy Board Wells</i>	Y	0	0	0
NEES	<i>National Environmental Emergencies System (NEES)</i>	Y	0	0	0
NPCB	<i>National PCB Inventory</i>	Y	0	0	0
NPRI	<i>National Pollutant Release Inventory</i>	Y	0	0	0
OGW	<i>Oil and Gas Wells</i>	Y	0	0	0
OOGW	<i>Ontario Oil and Gas Wells</i>	Y	0	0	0
OPCB	<i>Inventory of PCB Storage Sites</i>	Y	0	0	0
ORD	<i>Orders</i>	Y	0	0	0
PAP	<i>Canadian Pulp and Paper</i>	Y	0	0	0
PCFT	<i>Parks Canada Fuel Storage Tanks</i>	Y	0	0	0
PES	<i>Pesticide Register</i>	Y	0	0	0
PINC	<i>TSSA Pipeline Incidents</i>	Y	0	0	0
PRT	<i>Private and Retail Fuel Storage Tanks</i>	Y	0	0	0
PTTW	<i>Permit to Take Water</i>	Y	0	0	0
REC	<i>Ontario Regulation 347 Waste Receivers Summary</i>	Y	0	0	0
RSC	<i>Record of Site Condition</i>	Y	0	0	0
RST	<i>Retail Fuel Storage Tanks</i>	Y	0	0	0
SCT	<i>Scott's Manufacturing Directory</i>	Y	0	1	1
SPL	<i>Ontario Spills</i>	Y	0	0	0
SRDS	<i>Wastewater Discharger Registration Database</i>	Y	0	0	0
TANK	<i>Anderson's Storage Tanks</i>	Y	0	0	0
TCFT	<i>Transport Canada Fuel Storage Tanks</i>	Y	0	0	0
VAR	<i>TSSA Variances for Abandonment of Underground Storage Tanks</i>	Y	0	0	0
WDS	<i>Waste Disposal Sites - MOE CA Inventory</i>	Y	0	0	0
WDSH	<i>Waste Disposal Sites - MOE 1991 Historical Approval Inventory</i>	Y	0	0	0
WWIS	<i>Water Well Information System</i>	Y	0	9	9
Total:			0	10	10

Executive Summary: Site Report Summary - Project Property

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

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

Executive Summary: Site Report Summary - Surrounding Properties

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev Diff (m)</i>	<i>Page Number</i>
<u>1</u>	WWIS		lot 16 con 11 ON	NNW/124.6	0.96	<u>12</u>
<u>2</u>	WWIS		lot 16 con 11 ON	WNW/141.4	11.01	<u>15</u>
<u>2</u>	WWIS		lot 16 con 11 ON	WNW/141.4	11.01	<u>17</u>
<u>3</u>	WWIS		lot 17 con 11 ON	ESE/146.7	1.01	<u>20</u>
<u>4</u>	WWIS		Barrie ON	WNW/149.8	11.01	<u>22</u>
<u>5</u>	WWIS		lot 16 con 11 ON	NW/179.1	10.01	<u>24</u>
<u>6</u>	WWIS		lot 17 con 11 THORNTON ON	W/182.7	11.01	<u>27</u>
<u>7</u>	SCT	Saris Wood	8329 Yonge St Innisfil ON L9S 3C1	NW/192.8	10.01	<u>29</u>
<u>8</u>	WWIS		lot 17 con 10 ON	ESE/212.1	2.82	<u>29</u>
<u>9</u>	WWIS		lot 16 con 11 ON	NW/227.3	10.01	<u>31</u>

Executive Summary: Summary By Data Source

SCT - Scott's Manufacturing Directory

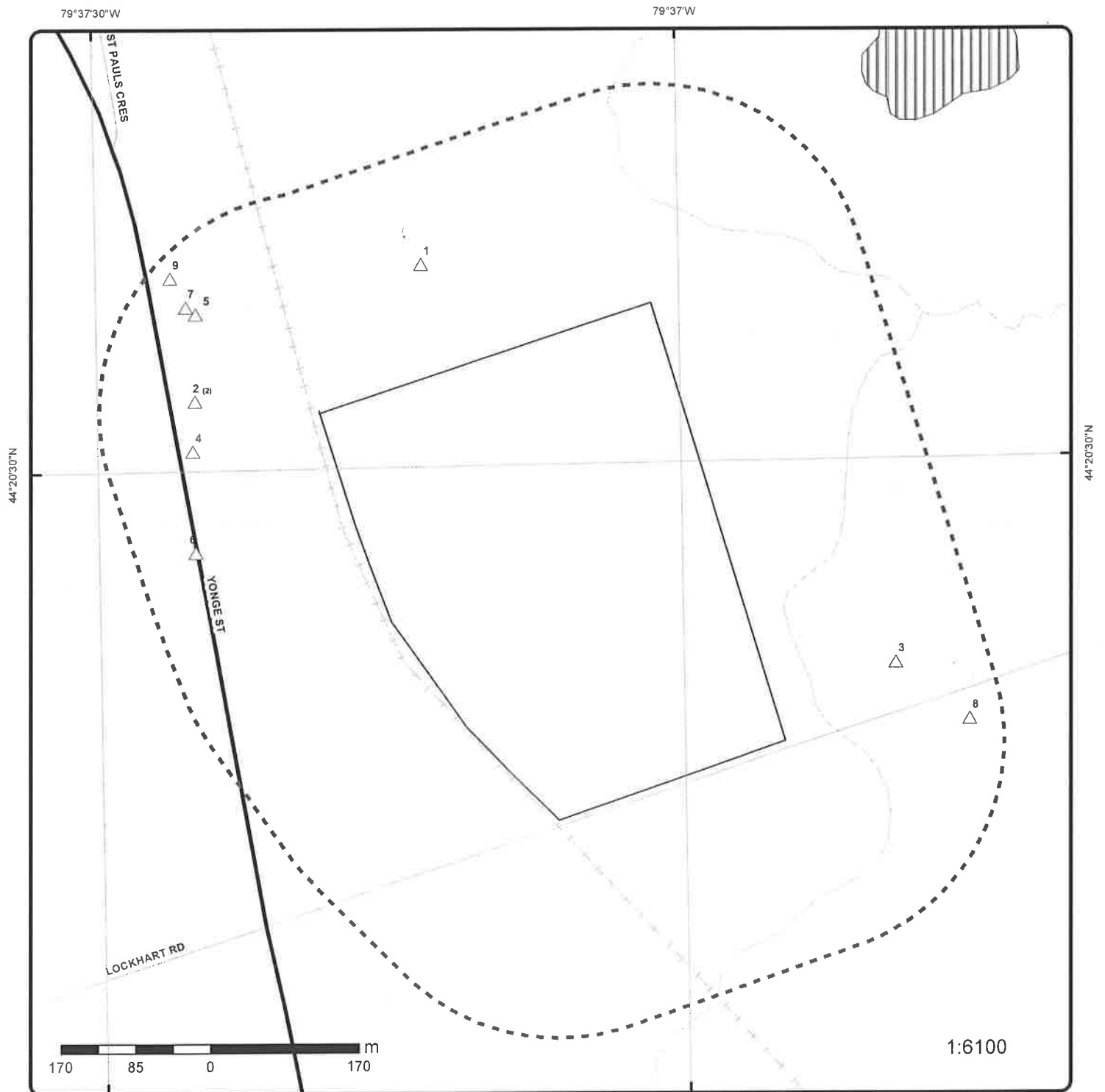
A search of the SCT database, dated 1992-Mar 2011* has found that there are 1 SCT site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Saris Wood	8329 Yonge St Innisfil ON L9S 3C1	192.8	<u>7</u>

WWIS - Water Well Information System

A search of the WWIS database, dated Jun 30, 2016 has found that there are 9 WWIS site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	lot 16 con 11 ON	124.6	<u>1</u>
	lot 16 con 11 ON	141.4	<u>2</u>
	lot 16 con 11 ON	141.4	<u>2</u>
	lot 17 con 11 ON	146.7	<u>3</u>
	Barrie ON	149.8	<u>4</u>
	lot 16 con 11 ON	179.1	<u>5</u>
	lot 17 con 11 THORNTON ON	182.7	<u>6</u>
	lot 17 con 10 ON	212.1	<u>8</u>
	lot 16 con 11 ON	227.3	<u>9</u>



Map : 0.25 Kilometer Radius

Order No: 20170615077

Address: 750 Lockhart Rd, Innisfil, ON, L9J0B6



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

79°37'30"W

44°21'N

44°21'N



Aerial

Address: 750 Lockhart Rd, Innisfil, ON, L9J0B6

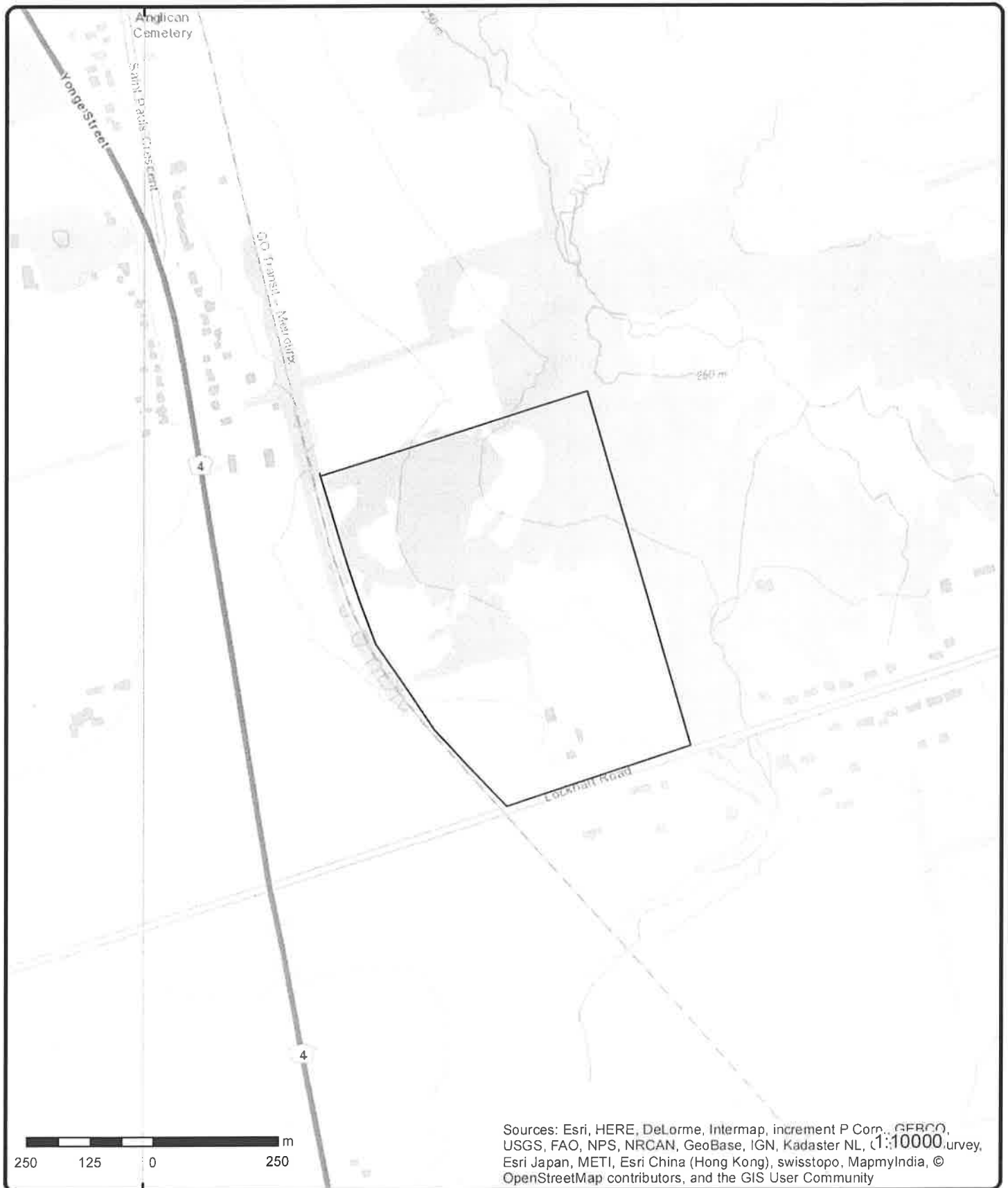
Source: ESRI World Imagery

Order No: 20170615077



© ERIS Information Limited Partnership

79°37'30"W



Topographic Map

Address: 750 Lockhart Rd, Innisfil, ON, L9J0B6

Source: ESRI World Topographic Map

Order No: 20170615077



© ERIS Information Limited Partnership

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
<u>1</u>	1 of 1	NNW/124.6	261.0	lot 16 con 11 ON	WWIS
Well ID:		5733085		Lot:	016
Construction Date::				Concession:	11
Primary Water Use::		Domestic		Concession Name:	CON
Sec. Water Use::				Easting NAD83::	
Final Well Status::		Water Supply		Northing NAD83::	
Specific Capacity::				Zone::	
Municipality:		INNISFIL TOWNSHIP		UTM Reliability::	
County:		SIMCOE			
Bore Hole Information					
--					
Bore Hole ID:		10410617			
DP2BR:					
Code OB:		o			
Code OB Description:		Overburden			
Open Hole:					
Date Completed:		15-OCT-97			
Remarks:					
Zone:		17			
East 83:		609971.4			
North 83:		4910979			
UTMRC:		9			
UTMRC Description:		unknown UTM			
Location Method:		lot			
Org CS:					
Elevation:		261.46			
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:					
--					
Overburden and Bedrock					
Materials Interval					
--					
Formation ID:		932402120			
Layer:		1			
General Color:		BLACK			
Most Common Material:		TOPSOIL			
Other Materials:					
Other Materials:					
Formation Top Depth:		0			
Formation End Depth:		1			
Formation End Depth UOM:		ft			
--					
Formation ID:		932402121			
Layer:		2			
General Color:		BROWN			
Most Common Material:		SAND			
Other Materials:					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Other Materials:					
Formation Top Depth:	1				
Formation End Depth:	4				
Formation End Depth UOM:	ft				
--					
Formation ID:	932402122				
Layer:	3				
General Color:	GREY				
Most Common Material:	SAND				
Other Materials:					
Other Materials:					
Formation Top Depth:	4				
Formation End Depth:	10				
Formation End Depth UOM:	ft				
--					
Formation ID:	932402123				
Layer:	4				
General Color:	BROWN				
Most Common Material:	SAND				
Other Materials:	WATER-BEARING				
Other Materials:					
Formation Top Depth:	10				
Formation End Depth:	15				
Formation End Depth UOM:	ft				
--					
Formation ID:	932402124				
Layer:	5				
General Color:	BROWN				
Most Common Material:	CLAY				
Other Materials:	SILTY				
Other Materials:					
Formation Top Depth:	15				
Formation End Depth:	44				
Formation End Depth UOM:	ft				
--					
Formation ID:	932402125				
Layer:	6				
General Color:	BROWN				
Most Common Material:	SAND				
Other Materials:	WATER-BEARING				
Other Materials:					
Formation Top Depth:	44				
Formation End Depth:	50				
Formation End Depth UOM:	ft				
--					
Annular Space/Abandonment Sealing Record					
--					
Plug ID:	933195771				
Layer:	1				
Plug From:	0				
Plug To:	44				
Plug Depth UOM:	ft				
--					
Method of Construction & Well Use					
--					
Method Construction ID:	965733085				
Method Construction Code:	1				
Method Construction:	Cable Tool				
Other Method Construction:					
--					
Pipe Information					
--					
Pipe ID:	10959187				
Casing Number:	1				

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Comment:					
Alt Name:					
--	--				
Construction Record - Casing					
--	--				
Casing ID:		930665570			
Layer:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		44			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
--	--				
--	--				
Construction Record - Screen					
--	--				
Screen ID:		933379012			
Layer:		1			
Slot:		006			
Screen Top Depth:		44			
Screen End Depth:		50			
Screen Material:					
Screen Depth UOM:		ft			
Screen Diameter UOM:		inch			
Screen Diameter:		6			
--	--				
--	--				
Well Yield Testing					
--	--				
Pump Test ID:		995733085			
Pump Set At:					
Static Level:		17			
Final Level After Pumping:		48			
Recommended Pump Depth:		45			
Pumping Rate:		4			
Flowing Rate:					
Recommended Pump Rate:		4			
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:		934318337			
Pump Test ID:		995733085			
Test Type:		Recovery			
Test Duration:		15			
Test Level:		19			
Test Level UOM:		ft			
--	--				
--	--				
Pump Test Detail ID:		934585134			
Pump Test ID:		995733085			
Test Type:		Recovery			
Test Duration:		30			
Test Level:		17			
Test Level UOM:		ft			
--	--				
--	--				
Water Details					
--	--				
Water ID:		933893178			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Layer:	1				
Kind Code:	1				
Kind:	FRESH				
Water Found Depth:	44				
Water Found Depth UOM:	ft				
--	--				
--	--				
<u>2</u>	1 of 2	WNW/141.4	271.0	lot 16 con 11 ON	WWIS
Well ID:	5718243			Lot:	016
Construction Date::				Concession:	11
Primary Water Use::	Domestic			Concession Name:	CON
Sec. Water Use::				Easting NAD83::	
Final Well Status::	Water Supply			Northing NAD83::	
Specific Capacity::				Zone::	
Municipality:	INNISFIL TOWNSHIP			UTM Reliability::	
County:	SIMCOE				
Bore Hole Information					
--	--				
Bore Hole ID:	10395930				
DP2BR:					
Code OB:	o				
Code OB Description:	Overburden				
Open Hole:					
Date Completed:	03-NOV-82				
Remarks:					
Zone:	17				
East 83:	609714.4				
North 83:	4910823				
UTMRC:	5				
UTMRC Description:	margin of error : 100 m - 300 m				
Location Method:	p5				
Org CS:					
Elevation:	271.76				
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:					
--	--				
Overburden and Bedrock Materials Interval					
--	--				
Formation ID:	932332669				
Layer:	1				
General Color:					
Most Common Material:	PREVIOUSLY DUG				
Other Materials:					
Other Materials:					
Formation Top Depth:	0				
Formation End Depth:	23				
Formation End Depth UOM:	ft				
--	--				
Formation ID:	932332670				
Layer:	2				
General Color:	BROWN				
Most Common Material:	SILT				
Other Materials:					
Other Materials:					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site
Formation Top Depth:		23		
Formation End Depth:		58		
Formation End Depth UOM:		ft		
--		--		
Formation ID:		932332671		
Layer:		3		
General Color:		GREY		
Most Common Material:		MEDIUM SAND		
Other Materials:				
Other Materials:				
Formation Top Depth:		58		
Formation End Depth:		65		
Formation End Depth UOM:		ft		
--		--		
Method of Construction & Well Use				
--		--		
Method Construction ID:		965718243		
Method Construction Code:		1		
Method Construction:		Cable Tool		
Other Method Construction:				
--		--		
Pipe Information				
--		--		
Pipe ID:		10944500		
Casing Number:		1		
Comment:				
Alt Name:				
--		--		
Construction Record - Casing				
--		--		
Casing ID:		930647005		
Layer:		1		
Open Hole or Material:		STEEL		
Depth From:				
Depth To:		62		
Casing Diameter:		5		
Casing Diameter UOM:		inch		
Casing Depth UOM:		ft		
--		--		
--		--		
Construction Record - Screen				
--		--		
Screen ID:		933371057		
Layer:		1		
Slot:		010		
Screen Top Depth:		62		
Screen End Depth:		65		
Screen Material:				
Screen Depth UOM:		ft		
Screen Diameter UOM:		inch		
Screen Diameter:		5		
--		--		
Well Yield Testing				
--		--		
Pump Test ID:		995718243		
Pump Set At:				
Static Level:		21		
Final Level After Pumping:		45		
Recommended Pump Depth:		45		
Pumping Rate:		6		
Flowing Rate:				
Recommended Pump Rate:		6		
Levels UOM:		ft		
Rate UOM:		GPM		
Water State After Test Code:		1		

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Water State After Test:		CLEAR			
Pumping Test Method:	2				
Pumping Duration HR:	2				
Pumping Duration MIN:	0				
Flowing:	N				
--	--				
Draw Down & Recovery					
--	--				
Pump Test Detail ID:	934300091				
Pump Test ID:	995718243				
Test Type:	Recovery				
Test Duration:	15				
Test Level:	21				
Test Level UOM:	ft				
--	--				
Pump Test Detail ID:	934574531				
Pump Test ID:	995718243				
Test Type:	Recovery				
Test Duration:	30				
Test Level:	21				
Test Level UOM:	ft				
--	--				
Pump Test Detail ID:	934825451				
Pump Test ID:	995718243				
Test Type:	Recovery				
Test Duration:	45				
Test Level:	21				
Test Level UOM:	ft				
--	--				
Pump Test Detail ID:	935090717				
Pump Test ID:	995718243				
Test Type:	Recovery				
Test Duration:	60				
Test Level:	21				
Test Level UOM:	ft				
--	--				
Water Details					
--	--				
Water ID:	933878067				
Layer:	1				
Kind Code:	1				
Kind:	FRESH				
Water Found Depth:	58				
Water Found Depth UOM:	ft				
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2	2 of 2	WNW/141.4	271.0	lot 16 con 11 ON	WWIS
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Well ID:	5718813	Lot:	016
Construction Date::		Concession:	11
Primary Water Use::	Domestic	Concession Name:	CON
Sec. Water Use::		Easting NAD83::	
Final Well Status::	Water Supply	Northing NAD83::	
Specific Capacity::		Zone::	
Municipality:	INNISFIL TOWNSHIP	UTM Reliability::	
County:	SIMCOE		

Bore Hole Information

Bore Hole ID:	10396493
DP2BR:	
Code OB:	o

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	
Code OB Description:		Overburden			
Open Hole:					
Date Completed:		23-AUG-83			
Remarks:					
Zone:		17			
East 83:		609714.4			
North 83:		4910823			
UTMRC:		5			
UTMRC Description:		margin of error : 100 m - 300 m			
Location Method:		p5			
Org CS:					
Elevation:		271.76			
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:					
--		--			
Overburden and Bedrock Materials Interval					
--		--			
Formation ID:		932335302			
Layer:		1			
General Color:					
Most Common Material:		FILL			
Other Materials:					
Other Materials:					
Formation Top Depth:		0			
Formation End Depth:		3			
Formation End Depth UOM:		ft			
--		--			
Formation ID:		932335303			
Layer:		2			
General Color:		BROWN			
Most Common Material:		CLAY			
Other Materials:		SAND			
Other Materials:					
Formation Top Depth:		3			
Formation End Depth:		40			
Formation End Depth UOM:		ft			
--		--			
Formation ID:		932335304			
Layer:		3			
General Color:		YELLOW			
Most Common Material:		SAND			
Other Materials:		CLAY			
Other Materials:		GRAVEL			
Formation Top Depth:		40			
Formation End Depth:		60			
Formation End Depth UOM:		ft			
--		--			
Formation ID:		932335305			
Layer:		4			
General Color:		GREY			
Most Common Material:		FINE SAND			
Other Materials:		VERY			
Other Materials:					
Formation Top Depth:		60			
Formation End Depth:		75			
Formation End Depth UOM:		ft			
--		--			
Method of Construction & Well Use					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site
Method Construction ID:		965718813		
Method Construction Code:		2		
Method Construction:		Rotary (Convent.)		
Other Method Construction:				
Pipe Information				
Pipe ID:		10945063		
Casing Number:		1		
Comment:				
Alt Name:				
Construction Record - Casing				
Casing ID:		930647691		
Layer:		1		
Open Hole or Material:		STEEL		
Depth From:		60		
Depth To:		6		
Casing Diameter:		inch		
Casing Diameter UOM:		ft		
Casing Depth UOM:				
Casing ID:		930647692		
Layer:		2		
Open Hole or Material:		OPEN HOLE		
Depth From:		71		
Depth To:		5		
Casing Diameter:		inch		
Casing Diameter UOM:		ft		
Casing Depth UOM:				
Construction Record - Screen				
Screen ID:		933371377		
Layer:		1		
Slot:		004		
Screen Top Depth:		71		
Screen End Depth:		75		
Screen Material:				
Screen Depth UOM:		ft		
Screen Diameter UOM:		inch		
Screen Diameter:		6		
Well Yield Testing				
Pump Test ID:		995718813		
Pump Set At:				
Static Level:		27		
Final Level After Pumping:		70		
Recommended Pump Depth:		70		
Pumping Rate:		6		
Flowing Rate:				
Recommended Pump Rate:		6		
Levels UOM:		ft		
Rate UOM:		GPM		
Water State After Test Code:				
Water State After Test:				
Pumping Test Method:		2		
Pumping Duration HR:		1		
Pumping Duration MIN:		30		
Flowing:		N		
Draw Down & Recovery				

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
--		--			
Pump Test Detail ID:		934301760			
Pump Test ID:		995718813			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		65			
Test Level UOM:		ft			
--		--			
Pump Test Detail ID:		934576197			
Pump Test ID:		995718813			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		70			
Test Level UOM:		ft			
--		--			
Pump Test Detail ID:		934827100			
Pump Test ID:		995718813			
Test Type:		Draw Down			
Test Duration:		45			
Test Level:		70			
Test Level UOM:		ft			
--		--			
Pump Test Detail ID:		935092390			
Pump Test ID:		995718813			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		70			
Test Level UOM:		ft			
--		--			
Water Details		--			
--		--			
Water ID:		933878602			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		60			
Water Found Depth UOM:		ft			
--		--			
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3	1 of 1	ESE/146.7	261.0	lot 17 con 11 ON	WWIS
Well ID:	5720335			Lot:	017
Construction Date::				Concession:	11
Primary Water Use::	Domestic			Concession Name:	CON
Sec. Water Use::				Easting NAD83::	
Final Well Status::	Water Supply			Northing NAD83::	
Specific Capacity::				Zone::	
Municipality:	INNISFIL TOWNSHIP			UTM Reliability::	
County:	SIMCOE				
Bore Hole Information					
--		--			
Bore Hole ID:	10397963				
DP2BR:					
Code OB:	0				
Code OB Description:	Overburden				
Open Hole:					
Date Completed:	28-NOV-85				
Remarks:					
Zone:	17				
East 83:	610514.4				
North 83:	4910523				

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	
UTMRC:		5			
UTMRC Description:		margin of error : 100 m - 300 m			
Location Method:		p5			
Org CS:					
Elevation:		260.79			
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:					
--		--			
Overburden and Bedrock Materials Interval					
--		--			
Formation ID:		932341744			
Layer:		1			
General Color:					
Most Common Material:		SAND			
Other Materials:					
Other Materials:					
Formation Top Depth:		0			
Formation End Depth:		4			
Formation End Depth UOM:		ft			
--		--			
Formation ID:		932341745			
Layer:		2			
General Color:					
Most Common Material:		GRAVEL			
Other Materials:					
Other Materials:					
Formation Top Depth:		4			
Formation End Depth:		6			
Formation End Depth UOM:		ft			
--		--			
Formation ID:		932341746			
Layer:		3			
General Color:		BROWN			
Most Common Material:		SAND			
Other Materials:					
Other Materials:					
Formation Top Depth:		6			
Formation End Depth:		45			
Formation End Depth UOM:		ft			
--		--			
Formation ID:		932341747			
Layer:		4			
General Color:		GREY			
Most Common Material:		CLAY			
Other Materials:					
Other Materials:					
Formation Top Depth:		45			
Formation End Depth:		45			
Formation End Depth UOM:		ft			
--		--			
Method of Construction & Well Use					
--		--			
Method Construction ID:		965720335			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
--		--			
Pipe Information					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	
Pipe ID:		10946533			
Casing Number:		1			
Comment:					
Alt Name:					
Construction Record - Casing					
Casing ID:		930649623			
Layer:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		44			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
Construction Record - Screen					
Screen ID:		933372067			
Layer:		1			
Slot:		006			
Screen Top Depth:		40			
Screen End Depth:		44			
Screen Material:					
Screen Depth UOM:		ft			
Screen Diameter UOM:		inch			
Screen Diameter:		6			
Well Yield Testing					
Pump Test ID:		995720335			
Pump Set At:					
Static Level:		10			
Final Level After Pumping:		20			
Recommended Pump Depth:		35			
Pumping Rate:		5			
Flowing Rate:					
Recommended Pump Rate:		5			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:					
Water State After Test:					
Pumping Test Method:		1			
Pumping Duration HR:		2			
Pumping Duration MIN:		0			
Flowing:		N			
4	1 of 1	WNW/149.8	271.0	Barrie ON	WWIS
Well ID:	7239318			Lot:	
Construction Date::				Concession:	
Primary Water Use::	Test Hole			Concession Name:	
Sec. Water Use::				Easting NAD83::	
Final Well Status::	Monitoring and Test Hole			Northing NAD83::	
Specific Capacity::				Zone::	
Municipality:	INNISFIL TOWNSHIP			UTM Reliability::	
County:	SIMCOE				
Bore Hole Information					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site
Bore Hole ID:		1005319433		
DP2BR:				
Code OB:				
Code OB Description:				
Open Hole:				
Date Completed:		09-APR-14		
Remarks:				
Zone:		17		
East 83:		609712		
North 83:		4910766		
UTMRC:		4		
UTMRC Description:		margin of error : 30 m - 100 m		
Location Method:		wwr		
Org CS:		UTM83		
Elevation:				
Elevrc:				
Elevrc Description:				
Location Source Date:				
Source Revision Comment:				
Improvement Location Source:				
Improvement Location Method:				
Supplier Comment:				
Spatial Status:		--		
Overburden and Bedrock Materials Interval		--		
Formation ID:		1005567506		
Layer:		1		
General Color:		BROWN		
Most Common Material:		CLAY		
Other Materials:		SILT		
Other Materials:				
Formation Top Depth:		0		
Formation End Depth:		15		
Formation End Depth UOM:		ft		
Formation ID:		1005567507		
Layer:		2		
General Color:		BROWN		
Most Common Material:		COARSE SAND		
Other Materials:				
Other Materials:				
Formation Top Depth:		15		
Formation End Depth:		27.5		
Formation End Depth UOM:		ft		
Annular Space/Abandonment Sealing Record		--		
Plug ID:		1005567514		
Layer:		1		
Plug From:		0		
Plug To:		20.5		
Plug Depth UOM:		ft		
Plug ID:		1005567515		
Layer:		2		
Plug From:		20.5		
Plug To:		27.5		
Plug Depth UOM:		ft		
Method of Construction & Well Use		--		
Method Construction ID:		1005567513		

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Method Construction Code:	6				
Method Construction:	Boring				
Other Method Construction:					
--	--				
Pipe Information					
--	--				
Pipe ID:	1005567505				
Casing Number:	0				
Comment:					
Alt Name:					
--	--				
Construction Record - Casing					
--	--				
Casing ID:	1005567510				
Layer:	1				
Open Hole or Material:	PLASTIC				
Depth From:	0				
Depth To:	22.5				
Casing Diameter:	2				
Casing Diameter UOM:	inch				
Casing Depth UOM:	ft				
--	--				
--	--				
Construction Record - Screen					
--	--				
Screen ID:	1005567511				
Layer:	1				
Slot:	.10				
Screen Top Depth:	22.5				
Screen End Depth:	27.5				
Screen Material:	5				
Screen Depth UOM:	ft				
Screen Diameter UOM:	inch				
Screen Diameter:	2				
--	--				
Hole Diameter					
--	--				
Hole ID:	1005567508				
Diameter:	8				
Depth From:	0				
Depth To:	27.5				
Hole Depth UOM:	ft				
Hole Diameter UOM:	inch				
--	--				
--	--				

<u>5</u>	1 of 1	NW/179.1	270.0	lot 16 con 11 ON	WWIS
Well ID:	5711629			Lot:	016
Construction Date::				Concession:	11
Primary Water Use::	Domestic			Concession Name:	CON
Sec. Water Use::				Easting NAD83::	
Final Well Status::	Water Supply			Northing NAD83::	
Specific Capacity::				Zone::	
Municipality:	INNISFIL TOWNSHIP			UTM Reliability::	
County:	SIMCOE				
Bore Hole Information					
--	--				
Bore Hole ID:	10389423				
DP2BR:					
Code OB:	0				
Code OB Description:	Overburden				
Open Hole:					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	
Date Completed:		09-OCT-74			
Remarks:					
Zone:		17			
East 83:		609714.4			
North 83:		4910923			
UTMRC:		5			
UTMRC Description:		margin of error : 100 m - 300 m			
Location Method:		p5			
Org CS:					
Elevation:		271.08			
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:					
--		--			
Overburden and Bedrock Materials Interval					
--		--			
Formation ID:		932303506			
Layer:		1			
General Color:					
Most Common Material:		TOPSOIL			
Other Materials:					
Other Materials:					
Formation Top Depth:		0			
Formation End Depth:		2			
Formation End Depth UOM:		ft			
--		--			
Formation ID:		932303507			
Layer:		2			
General Color:		BROWN			
Most Common Material:		CLAY			
Other Materials:					
Other Materials:					
Formation Top Depth:		2			
Formation End Depth:		16			
Formation End Depth UOM:		ft			
--		--			
Formation ID:		932303508			
Layer:		3			
General Color:		BROWN			
Most Common Material:		SAND			
Other Materials:		CLAY			
Other Materials:					
Formation Top Depth:		16			
Formation End Depth:		23			
Formation End Depth UOM:		ft			
--		--			
Formation ID:		932303509			
Layer:		4			
General Color:		GREY			
Most Common Material:		SAND			
Other Materials:					
Other Materials:					
Formation Top Depth:		23			
Formation End Depth:		58			
Formation End Depth UOM:		ft			
--		--			
Method of Construction & Well Use					
--		--			
Method Construction ID:		965711629			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Method Construction Code:	1				
Method Construction:	Cable Tool				
Other Method Construction:	--				
Pipe Information	--				
Pipe ID:	10937993				
Casing Number:	1				
Comment:					
Alt Name:					
Construction Record - Casing	--				
Casing ID:	930639204				
Layer:	1				
Open Hole or Material:	STEEL				
Depth From:					
Depth To:	55				
Casing Diameter:	5				
Casing Diameter UOM:	inch				
Casing Depth UOM:	ft				
Construction Record - Screen	--				
Screen ID:	933367881				
Layer:	1				
Slot:	010				
Screen Top Depth:					
Screen End Depth:					
Screen Material:					
Screen Depth UOM:	ft				
Screen Diameter UOM:	inch				
Screen Diameter:	5				
Well Yield Testing	--				
Pump Test ID:	995711629				
Pump Set At:					
Static Level:	23				
Final Level After Pumping:	44				
Recommended Pump Depth:	50				
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:	2				
Pumping Duration HR:	1				
Pumping Duration MIN:	0				
Flowing:	N				
Draw Down & Recovery	--				
Pump Test Detail ID:	934299250				
Pump Test ID:	995711629				
Test Type:	Draw Down				
Test Duration:	15				
Test Level:	44				
Test Level UOM:	ft				
Pump Test Detail ID:	934574715				
Pump Test ID:	995711629				
Test Type:	Draw Down				

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Test Duration:		30			
Test Level:		44			
Test Level UOM:		ft			
--		--			
Pump Test Detail ID:		934825166			
Pump Test ID:		995711629			
Test Type:		Draw Down			
Test Duration:		45			
Test Level:		44			
Test Level UOM:		ft			
--		--			
Pump Test Detail ID:		935091505			
Pump Test ID:		995711629			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		44			
Test Level UOM:		ft			
--		--			
--		--			
Water Details					
--		--			
Water ID:		933871473			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		23			
Water Found Depth UOM:		ft			
--		--			
--		--			

6	1 of 1	W/182.7	271.0	lot 17 con 11 THORNTON ON	WWIS
Well ID:	7125822			Lot:	017
Construction Date::				Concession:	11
Primary Water Use::	Public			Concession Name:	CON
Sec. Water Use::				Easting NAD83::	
Final Well Status::	Water Supply			Northing NAD83::	
Specific Capacity::				Zone::	
Municipality:	ESSA TOWNSHIP			UTM Reliability::	
County:	SIMCOE				
Bore Hole Information					
--		--			
Bore Hole ID:	1002532560				
DP2BR:					
Code OB:					
Code OB Description:					
Open Hole:					
Date Completed:	08-JAN-09				
Remarks:					
Zone:	17				
East 83:	609715				
North 83:	4910650				
UTMRC:	3				
UTMRC Description:	margin of error : 10 - 30 m				
Location Method:	wwr				
Org CS:	UTM83				
Elevation:	271.25				
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Supplier Comment:					
Spatial Status:					
--					
Overburden and Bedrock Materials Interval					
--					
Formation ID:		1002624531			
Layer:		1			
General Color:					
Most Common Material:					
Other Materials:					
Other Materials:					
Formation Top Depth:		0			
Formation End Depth:					
Formation End Depth UOM:		m			
--					
Annular Space/Abandonment Sealing Record					
--					
Plug ID:		1002624533			
Layer:		1			
Plug From:		1.3			
Plug To:		2			
Plug Depth UOM:		m			
--					
Method of Construction & Well Use					
--					
Method Construction ID:		1002624538			
Method Construction Code:		B			
Method Construction:		Other Method			
Other Method Construction:					
--					
Pipe Information					
--					
Pipe ID:		1002624530			
Casing Number:		0			
Comment:					
Alt Name:					
--					
Construction Record - Casing					
--					
Casing ID:		1002624535			
Layer:					
Open Hole or Material:		STEEL			
Depth From:					
Depth To:					
Casing Diameter:		15.5			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
--					
Construction Record - Screen					
--					
Screen ID:		1002624536			
Layer:					
Slot:					
Screen Top Depth:					
Screen End Depth:					
Screen Material:					
Screen Depth UOM:					
Screen Diameter UOM:					
Screen Diameter:					
--					
Hole Diameter					
--					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Hole ID:		1002624532			
Diameter:					
Depth From:					
Depth To:	2				
Hole Depth UOM:	m				
Hole Diameter UOM:	cm				
--	--				
--	--				
<u>7</u>	1 of 1	NW/192.8	270.0	Saris Wood 8329 Yonge St Innisfil ON L9S 3C1	SCT
Established:		01-JUN-98			
Plant Size (ft²):					
Employment:					
--Details--					
Description:		Showcase, Partition, Shelving and Locker Manufacturing			
SIC/NAICS Code:		337215			
Description:		Other Millwork			
SIC/NAICS Code:		321919			
Description:		Glass Manufacturing			
SIC/NAICS Code:		327214			
Description:		Other Millwork			
SIC/NAICS Code:		321919			
<u>8</u>	1 of 1	ESE/212.1	262.8	lot 17 con 10 ON	WWIS
Well ID:	5701335			Lot:	017
Construction Date::				Concession:	10
Primary Water Use::				Concession Name:	CON
Sec. Water Use::				Easting NAD83::	
Final Well Status::	Abandoned-Supply			Northing NAD83::	
Specific Capacity::				Zone::	
Municipality:	INNISFIL TOWNSHIP			UTM Reliability::	
County:	SIMCOE				
Bore Hole Information					
--	--				
Bore Hole ID:	10379228				
DP2BR:					
Code OB:	o				
Code OB Description:	Overburden				
Open Hole:					
Date Completed:	28-JUL-67				
Remarks:					
Zone:	17				
East 83:	610599.4				
North 83:	4910458				
UTMRC:	5				
UTMRC Description:	margin of error : 100 m - 300 m				
Location Method:	p5				
Org CS:					
Elevation:	263.71				
Elevrc:					
Elevrc Description:					
Location Source Date:					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:					
--					
Overburden and Bedrock Materials Interval					
--					
Formation ID:		932260748			
Layer:		1			
General Color:					
Most Common Material:		TOPSOIL			
Other Materials:					
Other Materials:					
Formation Top Depth:		0			
Formation End Depth:		1			
Formation End Depth UOM:		ft			
--					
Formation ID:		932260749			
Layer:		2			
General Color:					
Most Common Material:		MEDIUM SAND			
Other Materials:					
Other Materials:					
Formation Top Depth:		1			
Formation End Depth:		30			
Formation End Depth UOM:		ft			
--					
Formation ID:		932260750			
Layer:		3			
General Color:		GREY			
Most Common Material:		FINE SAND			
Other Materials:		SILT			
Other Materials:					
Formation Top Depth:		30			
Formation End Depth:		45			
Formation End Depth UOM:		ft			
--					
Formation ID:		932260751			
Layer:		4			
General Color:		BLUE			
Most Common Material:		CLAY			
Other Materials:					
Other Materials:					
Formation Top Depth:		45			
Formation End Depth:		48			
Formation End Depth UOM:		ft			
--					
Formation ID:		932260752			
Layer:		5			
General Color:		GREY			
Most Common Material:		FINE SAND			
Other Materials:		CLAY			
Other Materials:					
Formation Top Depth:		48			
Formation End Depth:		90			
Formation End Depth UOM:		ft			
--					
Formation ID:		932260753			
Layer:		6			
General Color:		BLUE			
Most Common Material:		CLAY			
Other Materials:					
Other Materials:					
Formation Top Depth:		90			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Formation End Depth:		135			
Formation End Depth UOM:		ft			
--		--			
Method of Construction & Well Use					
--		--			
Method Construction ID:		965701335			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
--		--			
Pipe Information					
--		--			
Pipe ID:		10927798			
Casing Number:		1			
Comment:					
Alt Name:					
--		--			
Construction Record - Casing					
--		--			
Casing ID:		930627066			
Layer:		1			
Open Hole or Material:					
Depth From:					
Depth To:					
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
--		--			
--		--			

<u>9</u>	1 of 1	NW/227.3	270.0	lot 16 con 11 ON	WWIS
Well ID:	5736948			Lot:	016
Construction Date::				Concession:	11
Primary Water Use::	Domestic			Concession Name:	CON
Sec. Water Use::				Easting NAD83::	
Final Well Status::	Water Supply			Northing NAD83::	
Specific Capacity::				Zone::	
Municipality:	INNISFIL TOWNSHIP			UTM Reliability::	
County:	SIMCOE				
Bore Hole Information					
--		--			
Bore Hole ID:	10527960				
DP2BR:					
Code OB:	o				
Code OB Description:	Overburden				
Open Hole:					
Date Completed:	17-JUN-02				
Remarks:					
Zone:	17				
East 83:	609686				
North 83:	4910964				
UTMRC:	3				
UTMRC Description:	margin of error : 10 - 30 m				
Location Method:					
Org CS:	N83				
Elevation:	270.12				
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:	Northing and/or Easting field has been changed. Location estimated from sketch map.				
Improvement Location Source:	1999-2004 MOE Water Well Data Improvement Project				

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	
Improvement Location Method:		GIS			
Supplier Comment:		Determined to be an improvement rather than a Lot Centroid in December 2009.			
Spatial Status:		Improved			
--		--			
Overburden and Bedrock Materials Interval					
--		--			
Formation ID:		932872114			
Layer:		1			
General Color:		BLACK			
Most Common Material:		TOPSOIL			
Other Materials:					
Other Materials:					
Formation Top Depth:		0			
Formation End Depth:		1			
Formation End Depth UOM:		ft			
--		--			
Formation ID:		932872115			
Layer:		2			
General Color:		BROWN			
Most Common Material:		SILT			
Other Materials:		SAND			
Other Materials:					
Formation Top Depth:		1			
Formation End Depth:		17			
Formation End Depth UOM:		ft			
--		--			
Formation ID:		932872116			
Layer:		3			
General Color:		YELLOW			
Most Common Material:		SAND			
Other Materials:					
Other Materials:					
Formation Top Depth:		17			
Formation End Depth:		60			
Formation End Depth UOM:		ft			
--		--			
Formation ID:		932872117			
Layer:		4			
General Color:		GREY			
Most Common Material:		SAND			
Other Materials:		VERY			
Other Materials:					
Formation Top Depth:		60			
Formation End Depth:		67			
Formation End Depth UOM:		ft			
--		--			
Annular Space/Abandonment Sealing Record					
--		--			
Plug ID:		933228724			
Layer:		1			
Plug From:		0			
Plug To:		4			
Plug Depth UOM:		ft			
--		--			
Plug ID:		933228725			
Layer:		2			
Plug From:		4			
Plug To:		10			
Plug Depth UOM:		ft			
--		--			
Method of Construction & Well Use					
--		--			
Method Construction ID:		965736948			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	
Method Construction Code:	1				
Method Construction:	Cable Tool				
Other Method Construction:	--				
--	--				
Pipe Information					
--	--				
Pipe ID:	11076530				
Casing Number:	1				
Comment:					
Alt Name:					
--	--				
Construction Record - Casing					
--	--				
Casing ID:	930670491				
Layer:	1				
Open Hole or Material:	STEEL				
Depth From:					
Depth To:					
Casing Diameter:	7				
Casing Diameter UOM:	inch				
Casing Depth UOM:	ft				
--	--				
--	--				
Construction Record - Screen					
--	--				
Screen ID:	933402709				
Layer:	1				
Slot:	004				
Screen Top Depth:	62				
Screen End Depth:	67				
Screen Material:					
Screen Depth UOM:	ft				
Screen Diameter UOM:	inch				
Screen Diameter:	6				
--	--				
Well Yield Testing					
--	--				
Pump Test ID:	995736948				
Pump Set At:					
Static Level:	23				
Final Level After Pumping:	59				
Recommended Pump Depth:	52				
Pumping Rate:	8				
Flowing Rate:					
Recommended Pump Rate:	5				
Levels UOM:	ft				
Rate UOM:	GPM				
Water State After Test Code:	1				
Water State After Test:	CLEAR				
Pumping Test Method:	2				
Pumping Duration HR:	1				
Pumping Duration MIN:	0				
Flowing:	N				
--	--				
Draw Down & Recovery					
--	--				
Pump Test Detail ID:	934322375				
Pump Test ID:	995736948				
Test Type:	Draw Down				
Test Duration:	15				
Test Level:	59				
Test Level UOM:	ft				
--	--				
Pump Test Detail ID:	934588032				
Pump Test ID:	995736948				
Test Type:	Draw Down				

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elevation (m)</i>	<i>Site</i>	<i>DB</i>
<i>Test Duration:</i>		30			
<i>Test Level:</i>		59			
<i>Test Level UOM:</i>		ft			
--		--			
<i>Pump Test Detail ID:</i>		934844910			
<i>Pump Test ID:</i>		995736948			
<i>Test Type:</i>		Draw Down			
<i>Test Duration:</i>		45			
<i>Test Level:</i>		59			
<i>Test Level UOM:</i>		ft			
--		--			
<i>Pump Test Detail ID:</i>		935111835			
<i>Pump Test ID:</i>		995736948			
<i>Test Type:</i>		Draw Down			
<i>Test Duration:</i>		60			
<i>Test Level:</i>		59			
<i>Test Level UOM:</i>		ft			
--		--			
<i>Water Details</i>		--			
--		--			
<i>Water ID:</i>		934020870			
<i>Layer:</i>		1			
<i>Kind Code:</i>		1			
<i>Kind:</i>		FRESH			
<i>Water Found Depth:</i>		67			
<i>Water Found Depth UOM:</i>		ft			
--		--			
--		--			

Unplottable Summary

Total: **23** Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
AAGR		Lot 17 Con 11	Innisfil ON	
CA	BARRIE VIEW FARMS LIMITED	SWM - LOT 17 & 37(BUS.DEPOT)	BARRIE CITY ON	
CA	RICE CONSTRUCTION CO. LTD.	HWY. NO. 11 VILL. N. SUBD.	INNISFIL TWP. ON	
CA	BARRIE CITY SOUTH BARRIE BUSINESS PARK	LOCKHART RD. PH.V	BARRIE CITY ON	
CA	Barrie Concrete Forming Inc.	Lot 43 Lockhart Road	Barrie ON	
CA	BARRIE CITY	EASEMENT/YONGE STREET	BARRIE CITY ON	
CA	P.U.C.	YONGE ST.	BARRIE CITY ON	
CA	P.U.C. BARRIE CITY	YONGE ST. LOCAL IMPROVEMENT	BARRIE CITY ON	
CA	CORIANDER DEVELOPMENT CORP.	YONGE ST., STM-WATER MGT.	BARRIE CITY ON	
CA		Yonge Street	Barrie ON	
CA	The Corporation of the City of Barrie	Yonge Street	Barrie ON	
CA		Yonge Street	Barrie ON	
ECA	Robert Gilroy	Part of Lot 17	City of Barrie ON	
GEN	MUSKOKA TRANSPORT LTD.	PART OF LOT 16 AND LOT 15 OF PLAN 51M- 455	INNISFIL TOWNSHIP ON	
GEN	ONTARIO HYDRO	PCB GENERATOR (STROUD D.S.) LOT 16CON10 C/O 306 TIFFIN ST	BARRIE ON	L4N 2N5
GEN	MUSKOKA TRANSPORT LTD.	PART OF LOT 16 AND LOT 15 OF PLAN 51M- 455	INNISFIL TOWNSHIP ON	
GEN	MUSKOKA TRANSPORT LTD.	PART OF LOT 16 AND LOT 15 OF PLAN 51M- 455	INNISFIL TOWNSHIP ON	L4W 4Y5

GEN	MUSKOKA TRANSPORT LTD.	PART OF LOT 16 AND LOT 15 OF PLAN 51M-455	INNISFIL TOWNSHIP ON
GEN	MUSKOKA TRANSPORT LTD.	PART OF LOT 16 AND LOT 15 OF PLAN 51M-455	INNISFIL TOWNSHIP ON L4W 4Y5
SPL	TRIMAC TRANSPORTATION SERVICES	HIGHWAY 11/CONCESSION 10 TANK TRUCK (CARGO)	INNISFIL TOWN ON
SPL	PRIVATE OWNER	PLAZA AT NORTH EAST CORNER OF HWY # 11, CONC 10, STROUD. SEPTIC SYSTEM	INNISFIL TOWN ON
SPL	PETRO-CANADA	HWY 11 PETRO-CAN BULK PLANT BULK PLANT/TERMINAL	BARRIE CITY ON
SPL	PUC	LOT 17, CONCESSION 11 ON SOUTH SIDE OF ROAD TRANSFORMER	INNISFIL TOWN ON

Unplottable Report

Site:

Lot 17 Con 11 Innisfil ON

Database:
AAGR

Type: Pit
Region/County: Simcoe
Township: Innisfil
Concession:: 11
Lot:: 17
Size (ha):: 3
Landuse::
Comments::

Site:

BARRIE VIEW FARMS LIMITED
SWM - LOT 17 & 37(BUS.DEPOT) BARRIE CITY ON

Database:
CA

Certificate #: 3-1208-95-
Application Year: 95
Issue Date: 9/8/1995
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site:

RICE CONSTRUCTION CO. LTD.
HWY. NO. 11 VILL. N. SUBD. INNISFIL TWP. ON

Database:
CA

Certificate #: 7-0615-89-
Application Year: 89
Issue Date: 8/3/1989
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site:

BARRIE CITY SOUTH BARRIE BUSINESS PARK
LOCKHART RD. PH.V BARRIE CITY ON

Database:
CA

Certificate #: 3-1961-87-
Application Year: 87
Issue Date: 11/16/1987
Approval Type: Municipal sewage
Status: Approved
Application Type:

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

Site: Barrie Concrete Forming Inc.
Lot 43 Lockhart Road Barrie ON

Database:
CA

Certificate #: 9927-6K8PW5
Application Year: 2006
Issue Date: 1/5/2006
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: BARRIE CITY
EASEMENT/YONGE STREET BARRIE CITY ON

Database:
CA

Certificate #: 3-0939-87-
Application Year: 87
Issue Date: 6/9/1987
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: P.U.C.
YONGE ST. BARRIE CITY ON

Database:
CA

Certificate #: 7-0776-85-006
Application Year: 85
Issue Date: 9/11/85
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: P.U.C. BARRIE CITY
YONGE ST. LOCAL IMPROVEMENT BARRIE CITY ON

Database:
CA

Certificate #: 7-0751-87-
Application Year: 87
Issue Date: 7/16/1987
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: CORIANDER DEVELOPMENT CORP.
YONGE ST., STM-WATER MGT. BARRIE CITY ON

Database:
CA

Certificate #: 3-1397-91-
Application Year: 91
Issue Date: 10/3/1991
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: Yonge Street Barrie ON

Database:
CA

Certificate #: 8535-5CANB3
Application Year: 02
Issue Date: 7/31/02
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name:: The Corporation of the City of Barrie
Client Address:: 70 Collier Street
Client City:: Barrie
Client Postal Code:: L4M 4T5
Project Description:: This application is for approval to install a storm sewer and oil grit separators and apputenances on Yonge Street as part of the Yonge Street construction, Little Avenue to Big Bay Point Road in the City of Barrie.
Contaminants::
Emission Control::

Site: The Corporation of the City of Barrie
Yonge Street Barrie ON

Database:
CA

Certificate #: 9699-5ZBGLC
Application Year: 2004
Issue Date: 5/28/2004
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::

Emission Control::

Site: Yonge Street Barrie ON

Database:
CA

Certificate #: 9255-54GQRK
Application Year: 02
Issue Date: 7/4/02
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name:: The Corporation of the City of Barrie
Client Address:: 70 Collier Street
Client City:: Barrie
Client Postal Code:: L4M 4Z2
Project Description:: Storm sewer construction
Contaminants::
Emission Control::

Site: Robert Gilroy
Part of Lot 17 City of Barrie ON

Database:
ECA

Approval No: 0545-ABCJHY
Project Type: Municipal and Private Sewage Works
Date: 2016-06-30
Status: Approved
Longitude:
Latitude:
Record Type:
PDF URL: <https://www.accessenvironment.ene.gov.on.ca/instruments/5715-AB4L4R-14.pdf>
Full Address: Part of Lot 17, Concession 12 City of Barrie, County of Simcoe

Site: MUSKOKA TRANSPORT LTD.
PART OF LOT 16 AND LOT 15 OF PLAN 51M-455 INNISFIL TOWNSHIP ON

Database:
GEN

PO Box Num:
Status:
Country:
Generator #: ON0807202
Approval Yrs:: 2009
SIC Code: 484121
SIC Description: General Freight Trucking Long Distance Truck-Load

--Details--

Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Site: ONTARIO HYDRO
PCB GENERATOR (STROUD D.S.) LOT 16CON10 C/O 306 TIFFIN ST BARRIE ON L4N 2N5

Database:
GEN

PO Box Num:
Status:
Country:

Generator #: ON0490254
Approval Yrs:: 86,87,88,89,92,93,94
SIC Code: 0000
SIC Description: *** NOT DEFINED ***

Site: MUSKOKA TRANSPORT LTD.
PART OF LOT 16 AND LOT 15 OF PLAN 51M-455 INNISFIL TOWNSHIP ON

Database:
GEN

PO Box Num:
Status:
Country:
Generator #: ON0807202
Approval Yrs:: 2011
SIC Code: 484121
SIC Description: General Freight Trucking Long Distance Truck-Load

--Details--

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Site: MUSKOKA TRANSPORT LTD.
PART OF LOT 16 AND LOT 15 OF PLAN 51M-455 INNISFIL TOWNSHIP ON L4W 4Y5

Database:
GEN

PO Box Num:
Status:
Country:
Generator #: ON0807202
Approval Yrs:: 2012
SIC Code: 484121
SIC Description: General Freight Trucking Long Distance Truck-Load

--Details--

Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Site: MUSKOKA TRANSPORT LTD.
PART OF LOT 16 AND LOT 15 OF PLAN 51M-455 INNISFIL TOWNSHIP ON

Database:
GEN

PO Box Num:
Status:
Country:
Generator #: ON0807202
Approval Yrs:: 2010
SIC Code: 484121

SIC Description: General Freight Trucking Long Distance Truck-Load

--Details--

Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Site: MUSKOKA TRANSPORT LTD.
PART OF LOT 16 AND LOT 15 OF PLAN 51M-455 INNISFIL TOWNSHIP ON L4W 4Y5

Database:
GEN

PO Box Num:
Status:
Country:
Generator #: ON0807202
Approval Yrs:: 99,00,01,02,03,04,05,06,07,08
SIC Code: 9959
SIC Description: OTHER SERV. TO BLDG.

--Details--

Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Site: TRIMAC TRANSPORTATION SERVICES
HIGHWAY 11/CONCESSION 10 TANK TRUCK (CARGO) INNISFIL TOWN ON

Database:
SPL

Ref No: 53397
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: CONTAINER OVERFLOW
Incident Dt: 7/3/1991
Incident Reason: ERROR
Incident Summary: TRIMAC: 4 LITRES GASOLINETO GROUND WHEN DRIVER OVERFILLED TANK
MOE Reported Dt: 7/3/1991
Environmental Impact: NOT ANTICIPATED
Nature of Impact:
Receiving Medium: LAND
SAC Action Class:
Sector Source Type:
Receiving Environment:
Incident Event:
Site Municipality: 70409

Site: PRIVATE OWNER
PLAZA AT NORTH EAST CORNER OF HWY # 11, CONC 10, STROUD. SEPTIC SYSTEM INNISFIL TOWN ON

Database:
SPL

Ref No: 123533
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: OTHER CONTAINER LEAK
Incident Dt: //
Incident Reason: UNKNOWN
Incident Summary: PLAZA- ONGOING SEWAGE LEAK FROM SEPTIC TANK, WORKS & MOH AWARE OF IT.
MOE Reported Dt: 2/10/1996
Environmental Impact: NOT ANTICIPATED
Nature of Impact:
Receiving Medium: LAND
SAC Action Class:
Sector Source Type:
Receiving Environment:
Incident Event:
Site Municipality: 70409

Site: PETRO-CANADA
HWY 11 PETRO-CAN BULK PLANT BULK PLANT/TERMINAL BARRIE CITY ON

Database:
SPL

Ref No: 108101
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: PIPE/HOSE LEAK
Incident Dt: 12/7/1994
Incident Reason: ERROR
Incident Summary: PETRO-CANADA BULK PLANT - 68 L OF COLOURED DIESEL TO SNOW COVERED GRAVEL
MOE Reported Dt: 12/8/1994
Environmental Impact: POSSIBLE
Nature of Impact: Soil contamination
Receiving Medium: LAND
SAC Action Class:
Sector Source Type:
Receiving Environment:
Incident Event:
Site Municipality: 70101

Site: PUC
LOT 17, CONCESSION 11 ON SOUTH SIDE OF ROAD TRANSFORMER INNISFIL TOWN ON

Database:
SPL

Ref No: 30649
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: COOLING SYSTEM LEAK
Incident Dt: 12/14/1989
Incident Reason: WELD/SEAM FAILURE
Incident Summary: BACKENTRY- PCB OIL LET TOGROUND AFTER TRANSFORMER BREAKS OPEN
MOE Reported Dt: 12/14/1989
Environmental Impact:
Nature of Impact:
Receiving Medium: LAND
SAC Action Class:
Sector Source Type:
Receiving Environment:
Incident Event:
Site Municipality: 70409

Appendix: Database Descriptions

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

Abandoned Aggregate Inventory:

Provincial AAGR

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

Government Publication Date: Sept 2002*

Aggregate Inventory:

Provincial AGR

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

Government Publication Date: Up to Sep 2016

Abandoned Mine Information System:

Provincial AMIS

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

Government Publication Date: 1800-Nov 2016

Anderson's Waste Disposal Sites:

Private ANDR

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

Government Publication Date: 1860s-Present

Automobile Wrecking & Supplies:

Private AUWR

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

Government Publication Date: 1999 - Oct 2016

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 - Oct 2016

Compressed Natural Gas Stations:

Private CNG

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

Government Publication Date: Dec 31, 2012

Inventory of Coal Gasification Plants and Coal Tar Sites:

Provincial COAL

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

Government Publication Date: Apr 1987 and Nov 1988*

Compliance and Convictions:

Provincial CONV

This database summarizes the fines and convictions handed down by the Ontario courts beginning in 1989. Companies and individuals named here have been found guilty of environmental offenses in Ontario courts of law.

Government Publication Date: 1989-May 2017

Certificates of Property Use:

Provincial CPU

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all CPU's on the registry such as (EPA s. 168.6) - Certificate of Property Use.

Government Publication Date: 1994-May 2017

Drill Hole Database:

Provincial DRL

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

Government Publication Date: 1886-Aug 2015

Environmental Activity and Sector Registry:

Provincial EASR

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

Government Publication Date: Oct 2011-Mar 2017

Environmental Registry:

Provincial EBR

The Environmental Registry lists proposals, decisions and exceptions regarding policies, Acts, instruments, or regulations that could significantly affect the environment. Through the Registry, thirteen provincial ministries notify the public of upcoming proposals and invite their comments. For example, if a local business is requesting a permit, license, or certificate of approval to release substances into the air or water; these are notified on the registry. Data includes: Approval for discharge into the natural environment other than water (i.e. Air) - EPA s. 9, Approval for sewage works - OWRA s. 53(1), and EPA s. 27 - Approval for a waste disposal site. For information regarding Permit to Take Water (PTTW), Certificate of Property Use (CPU) and (ORD) Orders please refer to those individual databases.

Government Publication Date: 1994-May 2017

Environmental Compliance Approval:

Provincial ECA

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

Government Publication Date: Oct 2011-Mar 2017

Environmental Effects Monitoring:

Federal EEM

The Environmental Effects Monitoring program assesses the effects of effluent from industrial or other sources on fish, fish habitat and human usage of fisheries resources. Since 1992, pulp and paper mills have been required to conduct EEM studies under the Pulp and Paper Effluent Regulations. This database provides information on the mill name, geographical location and sub-lethal toxicity data.

Government Publication Date: 1992-2007*

ERIS Historical Searches:

Private EHS

ERIS has compiled a database of all environmental risk reports completed since March 1999. Available fields for this database include: site location, date of report, type of report, and search radius. As per all other databases, the ERIS database can be referenced on both the map and "Statistical Profile" page.

Government Publication Date: 1999-Aug 2016

Environmental Issues Inventory System:

Federal EIIS

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

Government Publication Date: 1992-2001*

Emergency Management Historical Event:

Provincial EMHE

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

Government Publication Date: Dec 31, 2016

List of TSSA Expired Facilities:

Provincial EXP

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

Government Publication Date: Feb 28, 2017

Federal Convictions:

Federal FCON

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

Government Publication Date: 1988-Jun 2007*

Contaminated Sites on Federal Land:

Federal FCS

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

Government Publication Date: June 2000-Aug 2016

Fisheries & Oceans Fuel Tanks:

Federal FOFT

Fisheries & Oceans Canada maintains an inventory of aboveground & underground fuel storage tanks located on Fisheries & Oceans property or controlled by DFO. Our inventory provides information on the site name, location, tank owner, tank operator, facility type, storage tank location, tank contents & capacity, and date of tank installation.

Government Publication Date: 1964-Sept 2003

Fuel Storage Tank:

Provincial FST

The Technical Standards & Safety Authority (TSSA), under the Technical Standards & Safety Act of 2000 maintains a database of registered private and retail fuel storage tanks in Ontario with fields such as location, tank status, license date, tank type, tank capacity, fuel type, installation year and facility type.

Government Publication Date: Feb 28, 2017

Fuel Storage Tank - Historic:

Provincial FSTH

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

*Government Publication Date: Pre-Jan 2010**

Ontario Regulation 347 Waste Generators Summary:

Provincial GEN

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

Government Publication Date: 1986-Sep 2016

Greenhouse Gas Emissions from Large Facilities:

Federal GHG

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

Government Publication Date: 2013-Dec 2015

TSSA Historic Incidents:

Provincial HINC

This database will cover all incidences recorded by TSSA with their older system, before they moved to their new management system. TSSA's Fuels Safety Program administers the Technical Standards & Safety Act 2000, providing fuel-related safety services associated with the safe transportation, storage, handling and use of fuels such as gasoline, diesel, propane, natural gas and hydrogen. Under this Act, TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. The TSSA works to protect the public, the environment and property from fuel-related hazards such as spills, fires and explosions. This database will include spills and leaks from pipelines, diesel, fuel oil, gasoline, natural gas, propane and hydrogen recorded by the TSSA.

*Government Publication Date: 2006-June 2009**

Indian & Northern Affairs Fuel Tanks:

Federal IAFT

The Department of Indian & Northern Affairs Canada (INAC) maintains an inventory of aboveground & underground fuel storage tanks located on both federal and crown land. Our inventory provides information on the reserve name, location, facility type, site/facility name, tank type, material & ID number, tank contents & capacity, and date of tank installation.

*Government Publication Date: 1950-Aug 2003**

TSSA Incidents:

Provincial INC

TSSA's Fuels Safety Program administers the Technical Standards & Safety Act 2000, providing fuel-related safety services associated with the safe transportation, storage, handling and use of fuels such as gasoline, diesel, propane, natural gas and hydrogen. Under this Act, TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. Includes incidents from fuel-related hazards such as spills, fires and explosions. This database will include spills and leaks from diesel, fuel oil, gasoline, natural gas, propane and hydrogen recorded by the TSSA.

Government Publication Date: Feb 28, 2017

Landfill Inventory Management Ontario:

Provincial LIMO

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

Government Publication Date: Dec 31, 2013

Canadian Mine Locations:

Private MINE

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

*Government Publication Date: 1998-2009**

Mineral Occurrences:

Provincial MNR

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

Government Publication Date: 1846-Feb 2017

National Analysis of Trends in Emergencies System (NATES):

Federal NATE

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

*Government Publication Date: 1974-1994**

Non-Compliance Reports:

Provincial NCPL

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

Government Publication Date: Dec 31, 2014

National Defense & Canadian Forces Fuel Tanks:

Federal NDFT

The Department of National Defense and the Canadian Forces maintains an inventory of all aboveground & underground fuel storage tanks located on DND lands. Our inventory provides information on the base name, location, tank type & capacity, tank contents, tank class, date of tank installation, date tank last used, and status of tank as of May 2001. This database will no longer be updated due to the new National Security protocols which have prohibited any release of this database.

*Government Publication Date: Up to May 2001**

National Defense & Canadian Forces Spills:

Federal NDSP

The Department of National Defense and the Canadian Forces maintains an inventory of spills to land and water. All spill sites have been classified under the "Transportation of Dangerous Goods Act - 1992". Our inventory provides information on the facility name, location, spill ID #, spill date, type of spill, as well as the quantity of substance spilled & recovered.

Government Publication Date: Mar 1999-Aug 2010

National Defence & Canadian Forces Waste Disposal Sites:

Federal NDWD

The Department of National Defence and the Canadian Forces maintains an inventory of waste disposal sites located on DND lands. Where available, our inventory provides information on the base name, location, type of waste received, area of site, depth of site, year site opened/closed and status.

*Government Publication Date: 2001-Apr 2007**

National Energy Board Pipeline Incidents:

Federal NEBI

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

Government Publication Date: 2008 - Dec 2016

National Energy Board Wells:

Federal NEBW

The NEBW database contains information on onshore & offshore oil and gas wells that are outside provincial jurisdiction(s) and are thereby regulated by the National Energy Board. Data is provided regarding the operator, well name, well ID No./UWI, status, classification, well depth, spud and release date.

*Government Publication Date: 1920-Feb 2003**

National Environmental Emergencies System (NEES):

Federal

NEES

In 2000, the Emergencies program implemented NEES, a reporting system for spills of hazardous substances. For the most part, this system only captured data from the Atlantic Provinces, some from Quebec and Ontario and a portion from British Columbia. Data for Alberta, Saskatchewan, Manitoba and the Territories was not captured. However, NEES is also a repository for previous Environment Canada spill datasets. NEES is composed of the historic datasets ' or Trends ' which dates from approximately 1974 to present. NEES Trends is a compilation of historic databases, which were merged and includes data from NATES (National Analysis of Trends in Emergencies System), ARTS (Atlantic Regional Trends System), and NEES. In 2001, the Emergencies Program determined that variations in reporting regimes and requirements between federal and provincial agencies made national spill reporting and trend analysis difficult to achieve. As a consequence, the department has focused efforts on capturing data on spills of substances which fall under its legislative authority only (CEPA and FA). As such, the NEES database will be decommissioned in December 2004.

Government Publication Date: 1974-2003*

National PCB Inventory:

Federal

NPCB

Environment Canada's National PCB inventory includes information on in-use PCB containing equipment in Canada including federal, provincial and private facilities. Federal out-of-service PCB containing equipment and PCB waste owned by the federal government or by federally regulated industries such as airlines, railway companies, broadcasting companies, telephone and telecommunications companies, pipeline companies, etc. are also listed. Although it is not Environment Canada's mandate to collect data on non-federal PCB waste, the National PCB inventory includes some information on provincial and private PCB waste and storage sites. Some addresses provided may be Head Office addresses and are not necessarily the location of where the waste is being used or stored.

Government Publication Date: 1988-2008*

National Pollutant Release Inventory:

Federal

NPRI

Environment Canada has defined the National Pollutant Release Inventory ("NPRI") as a federal government initiative designed to collect comprehensive national data regarding releases to air, water, or land, and waste transfers for recycling for more than 300 listed substances.

Government Publication Date: 1993-2014

Oil and Gas Wells:

Private

OGW

The Nickle's Energy Group (publisher of the Daily Oil Bulletin) collects information on drilling activity including operator and well statistics. The well information database includes name, location, class, status and depth. The main Nickle's database is updated on a daily basis, however, this database is updated on a monthly basis. More information is available at www.nickles.com.

Government Publication Date: 1988-Jan 2017

Ontario Oil and Gas Wells:

Provincial

OOGW

In 1998, the MNR handed over to the Ontario Oil, Gas and Salt Resources Corporation, the responsibility of maintaining a database of oil and gas wells drilled in Ontario. The OGSR Library has over 20,000+ wells in their database. Information available for all wells in the ERIS database include well owner/operator, location, permit issue date, and well cap date, license No., status, depth and the primary target (rock unit) of the well being drilled. All geology/stratigraphy table information, plus all water table information is also provide for each well record.

Government Publication Date: 1800-Oct 2016

Inventory of PCB Storage Sites:

Provincial

OPCB

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of PCB storage sites within the province. Ontario Regulation 11/82 (Waste Management - PCB) and Regulation 347 (Generator Waste Management) under the Ontario EPA requires the registration of inactive PCB storage equipment and/or disposal sites of PCB waste with the Ontario Ministry of Environment. This database contains information on: 1) waste quantities; 2) major and minor sites storing liquid or solid waste; and 3) a waste storage inventory.

Government Publication Date: 1987-Oct 2004; 2012-Dec 2013

Orders:

Provincial

ORD

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all Orders on the registry such as (EPA s. 17) - Order for remedial work, (EPA s. 18) - Order for preventative measures, (EPA s. 43) - Order for removal of waste and restoration of site, (EPA s. 44) - Order for conformity with Act for waste disposal sites, (EPA s. 136) - Order for performance of environmental measures.

Government Publication Date: 1994-May 2017

Canadian Pulp and Paper:

Private

PAP

This information is part of the Pulp and Paper Canada Directory. The Directory provides a comprehensive listing of the locations of pulp and paper mills and the products that they produce.

Government Publication Date: 1999, 2002, 2004, 2005, 2009

Parks Canada Fuel Storage Tanks:

Federal

PCFT

Canadian Heritage maintains an inventory of known fuel storage tanks operated by Parks Canada, in both National Parks and at National Historic Sites. The database details information on site name, location, tank install/removal date, capacity, fuel type, facility type, tank design and owner/operator.

Government Publication Date: 1920-Jan 2005*

Pesticide Register:

Provincial PES

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

Government Publication Date: 1988-Oct 2016

TSSA Pipeline Incidents:

Provincial PINC

TSSA's Fuels Safety Program administers the Technical Standards & Safety Act 2000, providing fuel-related safety services associated with the safe transportation, storage, handling and use of fuels such as gasoline, diesel, propane, natural gas and hydrogen. Under this Act, TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. This database will include spills, strike and leaks from recorded by the TSSA.

Government Publication Date: Feb 28, 2017

Private and Retail Fuel Storage Tanks:

Provincial PRT

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

Government Publication Date: 1989-1996*

Permit to Take Water:

Provincial PTTW

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

Government Publication Date: 1994-May 2017

Ontario Regulation 347 Waste Receivers Summary:

Provincial REC

Part V of the Ontario Environmental Protection Act ("EPA") regulates the disposal of regulated waste through an operating waste management system or a waste disposal site operated or used pursuant to the terms and conditions of a Certificate of Approval or a Provisional Certificate of Approval. Regulation 347 of the Ontario EPA defines a waste receiving site as any site or facility to which waste is transferred by a waste carrier. A receiver of regulated waste is required to register the waste receiving facility. This database represents registered receivers of regulated wastes, identified by registration number, company name and address, and includes receivers of waste such as: landfills, incinerators, transfer stations, PCB storage sites, sludge farms and water pollution control plants. This information is a summary of all years from 1986 including the most currently available data.

Government Publication Date: 1986-2013

Record of Site Condition:

Provincial RSC

The Record of Site Condition (RSC) is part of the Ministry of the Environment's Brownfields Environmental Site Registry. Protection from environmental cleanup orders for property owners is contingent upon documentation known as a record of site condition (RSC) being filed in the Environmental Site Registry. In order to file an RSC, the property must have been properly assessed and shown to meet the soil, sediment and groundwater standards appropriate for the use (such as residential) proposed to take place on the property. The Record of Site Condition Regulation (O. Reg. 153/04) details requirements related to site assessment and clean up.

RSCs filed after July 1, 2011 will also be included as part of the new (O.Reg. 511/09).

Government Publication Date: 1997-Sept 2001, Oct 2004-Apr 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 - Oct 2016

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-Dec 2016

Wastewater Discharger Registration Database:

Provincial SRDS

Information under this heading is combination of the following 2 programs. The Municipal/Industrial Strategy for Abatement (MISA) division of the Ontario Ministry of Environment maintained a database of all direct dischargers of toxic pollutants within nine sectors including: Electric Power Generation; Mining; Petroleum Refining; Organic Chemicals; Inorganic Chemicals; Pulp & Paper; Metal Casting; Iron & Steel; and Quarries. All sampling information is now collected and stored within the Sample Result Data Store (SRDS).

Government Publication Date: 1990-2014

Anderson's Storage Tanks:

Private TANK

The information provided in this database was collected by examining various historical documents, which identified the location of former storage tanks, containing substances such as fuel, water, gas, oil, and other various types of miscellaneous products. Information is available in regard to business operating at tank site, tank location, permit year, permit & installation type, no. of tanks installed & configuration and tank capacity. Data contained within this database pertains only to the city of Toronto and is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks:

Federal TCFT

List of fuel storage tanks currently or previously owned or operated by Transport Canada. This inventory also includes tanks on The Pickering Lands, which refers to 7,530 hectares (18,600 acres) of land in Pickering, Markham, and Uxbridge owned by the Government of Canada since 1972; properties on this land has been leased by the government since 1975, and falls under the Site Management Policy of Transport Canada, but is administered by Public Works and Government Services Canada. This inventory provides information on the site name, location, tank age, capacity and fuel type.

Government Publication Date: 1970-Jan 2015

TSSA Variances for Abandonment of Underground Storage Tanks:

Provincial VAR

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

Government Publication Date: Feb 28, 2017

Waste Disposal Sites - MOE CA Inventory:

Provincial WDS

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

Government Publication Date: 1970-Mar 2017

Waste Disposal Sites - MOE 1991 Historical Approval Inventory:

Provincial WDSH

In June 1991, the Ontario Ministry of Environment, Waste Management Branch, published the "June 1991 Waste Disposal Site Inventory", of all known active and closed waste disposal sites as of October 30th, 1990. For each "active" site as of October 31st 1990, information is provided on site location, site/CA number, waste type, site status and site classification. For each "closed" site as of October 31st 1990, information is provided on site location, site/CA number, closure date and site classification. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number.

Government Publication Date: Up to Oct 1990*

Water Well Information System:

Provincial WWIS

This database describes locations and characteristics of water wells found within Ontario in accordance with Regulation 903. It includes such information as coordinates, construction date, well depth, primary and secondary use, pump rate, static water level, well status, etc. Also included are detailed stratigraphy information, approximate depth to bedrock and the approximate depth to the water table.

Government Publication Date: Jun 30, 2016

Definitions

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

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

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

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

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

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

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

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

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

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

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

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



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APPENDIX 'E'

AERIAL PHOTOGRAPHS

REFERENCE NO. 1706-E080



Subject Site



Soil Engineers Ltd.

Title

1954 Aerial Photograph

Project

Due Diligence for Land
Acquisition
750 Lockhart Road
City of Barrie

Reference No.

1706-E080

Date

July 23, 2017

Scale

Refer to Plan

Appendix 'E'

Page 1 of 5





Subject Site



Soil Engineers Ltd.

Title

1989 Aerial Photograph

Project

Due Diligence for Land
Acquisition
750 Lockhart Road
City of Barrie

Reference No.

1706-E080

Date

July 23, 2017

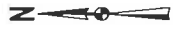
Scale

Refer to Plan

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Subject Site



Soil Engineers Ltd.

Title
2002 Aerial Photograph

Project
Due Diligence for Land
Acquisition
750 Lockhart Road
City of Barrie

Reference No.
1706-E080

Date
July 23, 2017

Scale
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Subject Site



Soil Engineers Ltd.

Title 2008 Aerial Photograph

Project

Due Diligence for Land
Acquisition
750 Lockhart Road
City of Barrie

Reference No.

1706-E080

Date

July 23, 2017

Scale

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Subject Site



Soil Engineers Ltd.

Title

2016 Aerial Photograph

Project

Due Diligence for Land
Acquisition
750 Lockhart Road
City of Barrie

Reference No.

1706-E080

Date

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APPENDIX 'F'

MOECC WELL RECORDS

REFERENCE NO. 1706-E080

Well Computer Print Out Data as of June 16 2017

Page: 1 / 2

TOWNSHIP CONCESSION (LOT)	UTM ¹	DATE ² CNTR ³	CASING DIA ⁴	WATER ^{5,6} DETAIL	STAT LVL/PUMP LVL ⁷ RATE ⁸ /TIME HR-MIN	WATER USE ⁹	SCREEN INFO ¹⁰	WELL # (AUDIT#) DEPTHS TO WHICH FORMATIONS EXTEND ^{5,11}	WELL TAG # STATE ¹²
INNISFIL TOWNSHIP CON 11(016)	17 609971 4910979 L	1997/10 1851	06	FR 0044	017 / 048 004 / 1:0	DO	44 6	5733085 (187561) BLCK LOAM 0001 BRWN SAND 0004 GREY SAND 0010 BRWN SAND WBRG 0015 BRWN CLAY SLTY 0044 BRWN SAND WBRG 0050	
INNISFIL TOWNSHIP ()	17 610469 4910446 W	2016/06 6946	02			MO	10 10	7266354 (Z232470) A203374 BRWN SAND STNS WBRG 0020	

Notes:

1. UTM in Zone, Easting, Northing and Datum is NAD83; L: UTM estimated from Centroid of Lot; W: UTM not from Lot Centroid
2. Date Work Completed
3. Well Contractor Licence Number
4. Casing diameter in inches
5. Unit of Depth in Feet
6. See Table 4 for Meaning of Code
7. STAT LVL: Static Water Level in Feet ; PUMP LVL: Water Level After Pumping in Feet
8. Pump Test Rate in GPM, Pump Test Duration in Hour : Minutes
9. See Table 3 for Meaning of Code
10. Screen Depth and Length in feet
11. See Table 1 and 2 for Meaning of Code
12. A: Abandonment; P: Partial Data Entry Only

1. Core Material and Descriptive terms									
Code	Description	Code	Description	Code	Description	Code	Description	Code	Description
BLDR	BOULDERS	FCRD	FRACTURED	IRFM	IRON FORMATION	PORS	POROUS	SOFT	SOFT
BSLT	BASALT	FGRD	FINE-GRAINED	LIMY	LIMY	PRDG	PREVIOUSLY DUG	SPST	SOAPSTONE
CGRD	COARSE-GRAINED	FGVL	FINE GRAVEL	LMSN	LIMESTONE	PRDR	PREV. DRILLED	STKY	STICKY
CGVL	COARSE GRAVEL	FILL	FILL	LOAM	TOPSOIL	QRTZ	QUARTZITE	STNS	STONES
CHRT	CHERT	FLDS	FELDSPAR	LOOS	LOOSE	QSND	QUICKSAND	STNY	STONEY
CLAY	CLAY	FLNT	FLINT	LTCL	LIGHT-COLOURED	QTZ	QUARTZ	THIK	THICK
CLN	CLEAN	FOSS	FOSILIFEROUS	LYRD	LAYERED	ROCK	ROCK	THIN	THIN
CLYY	CLAYEY	FSND	FINE SAND	MARL	MARL	SAND	SAND	TILL	TILL
CMTD	CEMENTED	GNIS	GNEISS	MGRD	MEDIUM-GRAINED	SHLE	SHALE	UNKN	UNKNOWN TYPE
CONG	CONGLOMERATE	GRNT	GRANITE	MGVL	MEDIUM GRAVEL	SHLY	SHALY	VERY	VERY
CRYS	CRYSTALLINE	GRSN	GREENSTONE	MRBL	MARBLE	SHRP	SHARP	WBRG	WATER-BEARING
CSND	COARSE SAND	GRVL	GRAVEL	MSND	MEDIUM SAND	SHST	SCHIST	WDFR	WOOD FRAGMENTS
DKCL	DARK-COLOURED	GRWK	GREYWACKE	MUCK	MUCK	SILT	SILT	WTHD	WEATHERED
DLMT	DOLOMITE	GVLY	GRAVELLY	OBDN	OVERBURDEN	SLTE	SILATE		
DNSE	DENSE	GYPG	GYPGUM	PCKD	PACKED	SLTY	SILTY		
DRTY	DIRTY	HARD	HARD	PEAT	PEAT	SNDS	SANDSTONE		
DRY	DRY	HPAN	HARDPAN	PGVL	PEA GRAVEL	SNDY	SANDY		

2. Core Color	
Code	Description
WHIT	WHITE
GREY	GREY
BLUE	BLUE
GRN	GREEN
YLLW	YELLOW
BRWN	BROWN
RED	RED
BLCK	BLACK
BLGY	BLUE-GREY

3. Water Use		
Code	Description	Code
DO	Domestic	OT
ST	Livestock	TH
IR	Irrigation	DE
IN	Industrial	MO
CO	Commercial	MT
MN	Municipal	
PS	Public	
AC	Cooling And A/C	
NU	Not Used	

4. Water Detail		
Code	Description	Code
FR	Fresh	GS
SA	Salty	IR
SU	Sulphur	
MN	Mineral	
UK	Unknown	



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APPENDIX 'G'

LANDOWNER/TENANT/OCCUPANT QUESTIONNAIRE

REFERENCE NO. 1706-E080

PHASE I: ENVIRONMENTAL SITE ASSESSMENT
Landowner/Tenant/Occupant Questionnaire



Soil Engineers Ltd.
 100 Nugget Ave
 Toronto, Ontario
 Canada
 M1S 3A7

Address of site: 750 LOCKHART ROAD, BARRIE

Person interviewed

Name: DAVID BOWMAN
 Relationship to site: FARM TENANT
 Interviewer: SAMIYA TABASSUM
 Date of interview: JULY 13, 2017

Interviewer

Method of Interview: IN PERSON
 Interviewer's name: SAMIYA TABASSUM
 Project No: 1706-E080

General Questions

How long have you lived/worked at this address?
 10 YEARS

What are the main operations that occur on this site?
 Residential and farmland

What activities were previously performed on this site?
 Residential and farmland

To the best of your knowledge, have any of the following occurred, or is presently occurring on the property:

Foul odours or stained surfaces (such as soil, concrete, asphalt, surrounding stormwater stains, etc)?
 No

Spills, leaks or hazardous materials activities?
 No

Above ground or underground storage tanks (such as those used for utility, fuel or chemical)?
 Yes, one for heating oil storage when building used to be heated by oil, now it's by wood.
 Another one for diesel storage to fuel tractors.

Specific chemicals located or stored on site in drums, tanks, barrels or sacks?
 None stored on site. Pesticides are applied by separate contractor, which removes all stored chemicals from site.

Previous environmental site assessments completed? If yes what were the results? Was there an environmental cleanup?
 One environmental work completed one month ago. Not sure which company.

If the property is served by a well or septic system and heating system? Please specify the location and age?

Yes, one well and one septic system. Heating system now uses wood fired chimney. Previously used heating fuel oil.

Dumping of hazardous substances or petroleum products, unidentified waste materials, automotive parts, household garbage, mixed municipal refuse, demolition debris, fill material from an unknown site demolition debris, fill material from an unknown site?

No

If the neighbouring properties are or have been previously used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, junkyard or landfill, waste treatment, storage, disposal, processing or recycling facility or photo developing laboratory, etc.?

No

Do you know of others who may have knowledge of the property?

No

Additional Comments and Explanations

☒ I acknowledge that the above statements and facts are true and correct, based on my current knowledge as of the date completed.

Name

David Bowman

Date of Completion

July 13, 2017



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APPENDIX 'H'

SITE PHOTOGRAPHS

REFERENCE NO. 1706-E080



General view of the southern section of the subject site (facing north)



General view of the residential building in the southern section of the subject site (facing west)

 Soil Engineers Ltd.	Title	Project	Reference No.	Date	Appendix 'H'
	Site Photographs	Due Diligence for Land Acquisition, 750 Lockhart Road, City of Barrie	1706-E080	July 23, 2017	Page 1 of 6



General view of the basement of the residential building.



General view of the barn on the southern section of the subject site.

 Soil Engineers Ltd.	Title	Project	Reference No.	Date	Appendix 'H'
	Site Photographs	Due Diligence for Land Acquisition, 750 Lockhart Road, City of Barrie	1706-E080	July 23, 2017	Page 2 of 6



General view of the tractor storage shed in the southern section of the subject site.



General view of the interior of the tractor storage shed in the subject site.

 Soil Engineers Ltd.	Title	Project	Reference No.	Date	Appendix 'H'
	Site Photographs	Due Diligence for Land Acquisition, 750 Lockhart Road, City of Barrie	1706-E080	July 23, 2017	Page 3 of 6



View of the heating fuel oil aboveground storage tank on the west side of the residential building.



View of the diesel aboveground storage tank on the north side of the tractor storage shed.

 Soil Engineers Ltd.	Title	Project	Reference No.	Date	Appendix 'H'
	Site Photographs	Due Diligence for Land Acquisition, 750 Lockhart Road, City of Barrie	1706-E080	July 23, 2017	Page 4 of 6



General view of typical solid debris at the subject site.



General view of the undeveloped property to the east of the subject site.

 Soil Engineers Ltd.	Title	Project	Reference No.	Date	Appendix 'H'
	Site Photographs	Due Diligence for Land Acquisition, 750 Lockhart Road, City of Barrie	1706-E080	July 23, 2017	Page 5 of 6



General view of the residential properties to the south beyond Lockhart Road.



General view of the railway tracks and transformer station to the west and southwest of the subject site, respectively.

 <i>Soil Engineers Ltd.</i>	Title	Project	Reference No.	Date	Appendix 'H'
	Site Photographs	Due Diligence for Land Acquisition, 750 Lockhart Road, City of Barrie	1706-E080	July 23, 2017	Page 6 of 6



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APPENDIX 'I'

TABLE OF CURRENT AND PAST USES

REFERENCE NO. 1706-E080



Reference No. 1706-E080
750 Lockhart Road, City of Barrie

"TABLE OF CURRENT AND PAST USES OF THE PHASE ONE PROPERTY"
(Refer to clause 16(2)(b), Schedule D, O.Reg. 153/04)

PIN: 58092-0030 (LT)

Instrument Document	Year	Name of Owner	Description of Property Use	Property Use	Other Observations from Aerial Photographs, Fire Insurance Plans, etc.
RO1387729	1998- Present	Donald Andrew Boman	Farmland with residential building	Agricultural or Other Use	Based on the aerial photographs, 1881 Historical Map and site inspection, the subject site was mainly used for farming activities with a residential building.
D1259697	1994- 1998	John Andrew Boman and Donald Andre Boman			
32901	1951- 1994	John Andrew Boman			
12900	1951- 1951	Elizabeth G. Bowman			
9120	1910- 1951	John A. Boman and Andrew Bowman			
8376	1907- 1910	James Black			
3337	1887- 1907	William Lwonard			
3107	1886- 1887	John L. Warnica			
54496	1869- 1886	Edward Garner			
13352	1854- 1869	Peter Earles and Achsah Soales			
Patent	1853- 1854	William Orchard	Likely undeveloped		Based on the land title search, the Crown patented to William Orchard in 1853.
Prior to	1853	The Crown			



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APPENDIX 'J'

AREA OF POTENTIAL ENVIRONMENTAL CONCERNS TABLE

REFERENCE NO. 1706-E080



"Table of areas of potential environmental concern"
(Refer to clause 16(2)(a), Schedule D, O. Reg. 153/04)

Area of potential environmental concern ¹	Location of area of potential environmental concern on phase one	Potentially contaminating activity ²	Location of PCA (on-site or off-site)	Contaminants of potential concern ³	Media potentially Impacted (Ground water, soil and/or sediment)
APEC 1 Use of pesticides on northwestern section of subject site.	Northwestern section of subject site.	40. Pesticides (including Herbicides, Fungicides, and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications	On-Site	OCs, Metals, CN ⁻	Soil
APEC 2 Use of pesticides on southern section of subject site.	Southern section of subject site.	40. Pesticides (including Herbicides, Fungicides, and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications	On-Site	OCs, Metals, CN ⁻	Soil
APEC 3 Presence of fill materials on southeastern section of subject site.	Southeastern section of the subject site.	30 Importation of Fill Material of Unknown Quality.	On-Site	Metals, CN ⁻ , EC, SAR, Hg, Cr (VI), B-HWS, pH	Soil
APEC 4 Presence of heating fuel oil aboveground storage tank to the west of the residential dwelling on the subject site.	Central southern section of the subject site.	28. Gasoline and Associated Products Storage in Fixed Tank	On-Site	PHCs, Metals	Soil



Area of potential environmental concern ¹	Location of area of potential environmental concern on phase one	Potentially contaminating activity ²	Location of PCA (on-site or off-site)	Contaminants of potential concern ³	Media potentially Impacted (Ground water, soil and/or sediment)
APEC 5 Presence of diesel aboveground storage tank to the north of the tractor storage shed on the subject site.	Central southern section of the subject site.	28. Gasoline and Associated Products Storage in Fixed Tank	On-Site	PHCs, Metals	Soil
APEC 6 Presence of railway tracks to the west of the subject site.	Western section of subject site.	46. Rail Yards, Tracks and Spurs	Off-Site	PHCs, VOCs, PAHs, Metals, Cr (VI), Hg, CN ⁻ , B-HWS	Soil, Groundwater
APEC 7 Presence of transformer substation to the southwest of the subject site.	Southwestern section of subject site.	18. Electricity Generation, Transformation and Power Stations.	Off-Site	PHCs, VOCs, PCBs, Metals, Cr (VI), Hg, CN ⁻ , B-HWS	Soil, Groundwater

*Notes:*

- 1 - Areas of potential environmental concern means the area on, in or under a phase one property where one or more contaminants are potentially present, as determined through the phase one environmental site assessment, including through,
- (a) identification of past or present uses on, in or under the phase one property, and
- (b) identification of potentially contaminating activity.
- 2 - Potentially contaminating activity means a use or activity set out in Column A of Table 2 of Schedule D that is occurring or has occurred in a phase one study area
- 3 - When completing this column, identify all contaminants of potential concern using the Method Groups as identified in the "Protocol for in the Assessment of Properties under Part XV.1 of the Environmental Protection Act, March 9, 2004, amended as of July 1, 2011, as specified below:

List of Method Groups:

ABNs	PCBs	Metals	Electrical Conductivity
CPs	PAHs	As, Sb, Se	Cr (VI)
1,4-Dioxane	THMs	Na	Hg
Dioxins/Furans, PCDDs/PCDFs	VOCs	B-HWS	Methyl Mercury
OCs	BTEX	Cl-	Low or high pH,
PHCs	Ca, Mg	CN-	SAR

- 4 - When submitting a record of site condition for filing, a copy of this table must be attached

*****Cette publication hautement spécialisée n'est disponible qu'en anglais en vertu du règlement 671/92, qui en exempte l'application de la Loi sur les services en français. Pour obtenir de l'aide en français, veuillez communiquer avec le ministère de l'Environnement et de l'Action en matière de changement climatique au 1-800-461-6290***