Phase One Environmental Site Assessment

Agricultural and Residential Property

3232 Tremaine Road and 5421 – 5463 Dundas Street, Burlington, Ontario, L7R 3X4

Submitted to:
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IMPORTANT NOTICE

This report was prepared exclusively for Evergreen Community (Burlington) Ltd. by Amec Foster Wheeler Environment & Infrastructure (Amec Foster Wheeler). The quality of information, conclusions and estimates contained herein is consistent with the level of effort involved in Amec Foster Wheeler's services and based on: i) information available at the time of preparation, ii) data supplied by outside sources and iii) the assumptions, conditions and qualifications set forth in this report. This report is intended to be used by Evergreen Community (Burlington) Ltd. only, subject to the terms and conditions of its contract with Amec Foster Wheeler. Any other use of, or reliance on, this report by any third party is at that party's sole risk.

1.0 EXECUTIVE SUMMARY

Amec Foster Wheeler Environment & Infrastructure, a Division of Amec Foster Wheeler Americas Limited ("Amec Foster Wheeler"), was retained by Evergreen Community (Burlington) Ltd. ("Evergreen") to conduct a Phase One Environmental Site Assessment (ESA) of an agricultural and residential property located at 3232 Tremaine Road and 5421, 5453 and 5463 Dundas Street in Burlington, Ontario (the Phase One Property). Evergreen retained Amec Foster Wheeler to provide an evaluation of known and possible environmental issues at the Phase One Property in support of redevelopment and possible submission of a Record of Site Condition (RSC). This Phase One ESA was carried out in accordance with the Terms of Reference provided in Amec Foster Wheeler's proposal dated 16 September 2014.

A Phase One ESA is defined as a systematic qualitative process to assess the environmental condition of a property based on its historical and current use. This Phase One ESA was conducted in accordance with the requirements prescribed in Schedule D – Phase One Environmental Site Assessments as stipulated under *Ontario Regulation 153/04 Records of Site Condition, Part XV.1 of the Environmental Protection Act* (EPA), as amended [(1)] ("*O. Reg.153/04"*). The legal survey obtained by Amec Foster Wheeler from the client will be required to be signed by an Ontario Land Surveyor in order to support the filing of a Record of Site Condition (RSC).

Under the supervision of Jeff Carson, P.Eng. Qualified Person, Jessica Cozzitorto and Jonathan Wakani, P.Geo., of Amec Foster Wheeler conducted a reconnaissance of the Phase One Property on 6 October 2014 to evaluate possible issues and to assess whether any surrounding land uses may have and/or are currently impacting the environmental condition of the Phase One Property. On the day of the reconnaissance the weather was 15 °C and sunny. Ground cover conditions at the time of the Phase One Property reconnaissance were wet and mostly covered with heavy vegetation and agricultural crops which may have limited Amec Foster Wheeler's observations.

Based on the Phase One ESA completed by Amec Foster Wheeler conducted on 6 October 2014, there is evidence of potentially contaminating activities related to the Phase One Study Area:

Area of Potential Environmental Concern	Location of APEC on Phase One Property	Potentially Contaminating Activity*	Location of PCA	Contaminants of Potential Concern	Media Potentially Impacted
APEC-1: Former location historically utilized by the paving company which included the storing of twelve 205 L drums, battery storage, and soil stock piles, piles of debris and soil fill	South portion of 5463 Dundas Street, north of 5453 Dundas Street.	30-Importation of fill material of unknown quality Other-battery storage Other-Storage of unconfirmed liquids in drums	On-site	Metals & inorganics PAHs BNAE PHCs OCs	Soil Ground water
APEC 2: Historical presence of one (1) UST and two (2) ASTs	Southern portion of the Phase One Property located at 5463 Dundas Street.	28 –Gasoline and associated products storage in fixed tanks	On-site	VOCs PAHs PHCs	Soil Ground water

APEC-3: Current transit facility and fuel pumping station and known contamination resulting in PHC and VOC exceedances on the Phase One Property.	5401 Dundas Street, adjacent to the southwest corner	10 –Commercial auto body shops 28 –Gasoline and associated products storage in fixed tanks	Off-site	Metals & inorganics PHCs VOCs	Soil Ground water

*Potentially Contaminating Activity (PCA) described specifically for the Phase One Property with reference to the applicable item number in the Table of Potentially Contaminating Activities provided in Schedule D of *O.Reg. 153/04* as amended, where applicable. ** - Exceedance present due to elevated RDLs above current regulatory criteria

BNAE - Base, Neutral, Acid Extractables (a.k.a. Semi-Volatile Organic Compounds/SVOCs)
OCs – Organochlorine Pesticides
PHCs – Petroleum Hydrocarbons
PAHs - Polycyclic Aromatic Hydrocarbons
VOCs – Volatile Organic Compounds

A Phase Two ESA would be required at this Phase One Property in the event that a Record of Site Condition were required for the following reasons:

- Fill of unknown quality is suspected to be present on the southern portion of the Phase One Property in the location where a paving company historically occupied. The 2007 Phase One ESA identified an unknown quantity of soil fill placed at the intersection of two farm roads located approximately 200 metres north of 5453 Dundas Street. The 2007 Phase One ESA also identified the storage of twelve (12) 205 L drums which contained unknown chemicals stored in the same area along with the storage of numerous batteries in a small shed. When comparing the existing laboratory results from Amec Foster Wheeler's 2007 Phase Two ESA to the current regulatory standards, numerous samples previously found to be below the site condition standards, now exceed the standards; and,

- Observations made by Amec Foster Wheeler during the Phase One Property reconnaissance conducted on April 25, 2007, identified two (2) aboveground storage tanks (ASTs) at the residential building located at the southern portion of 5463 Dundas Street. One (1) underground storage tank (UST) and one (1) AST were removed by Amec Foster Wheeler from the southern portion of 5463 Dundas Street. When comparing the existing laboratory results from Amec Foster Wheeler's 2007 Phase Two ESA and tank pull activities to the current regulatory standards, as amended, numerous samples previously found to be below the site condition standards, now exceed the standards.

- Potentially contaminating activities within the Phase One Study Area include:

- A current transit facility and fuel service station is located to the west of the Phase One Property adjacent to 5421 Dundas Street. This adjacent property, 5401 Dundas Street, is also listed in the TSSA as having two (2) active USTs and one (1) active AST. This property is also a registered waste generator for aliphatic solvents, petroleum distillates, light fuels, oil skimmings and sludges, and waste oils and lubricants. Based on the analytical results from Amec Foster Wheeler's 2007 Phase Two ESA, exceedances for PHCs and VOCs in soil and groundwater were found on the Phase One Property at the southwest corner. The contamination is suspected to have originated from a surface fuel spill or leak in the area of the property line, potentially from the adjacent property.

In addition, to address potential operational / management issues, Amec Foster Wheeler offers the following recommendations:

- Suspected asbestos containing materials (ACM) in the form of plaster walls and ceilings, and vinyl sheet flooring were observed within the building. Due to the presence of suspected ACM, a comprehensive asbestos survey is recommended in order to comply with *Ontario Regulation 278/05 and Ontario Regulation 279/05* [(2)]. In addition, if ACM is present, an asbestos management plan will be required for any confirmed friable ACM which is not abated or has not been tested to be deemed non asbestos;
- Lead-containing paint (LCP) is suspected to be present at the Phase One Property based on the age of the building and criteria outlined in the Canadian Hazardous Products Act – Surface Coating Materials Regulation dated April 2005. As enforced by the Ministry of Labour (MOL), all lead-containing paint in poor condition must be removed by a qualified lead abatement contractor as outlined in the MOL Guideline titled the "The Control of Lead Exposures during the Removal of Lead on Construction Projects";
- A Designated Substances Survey (DSS) is required if future repair, renovation or demolition activities are planned which could affect suspect ACMs and lead-containing paints. A DSS is required to fulfil the Owner's requirements under Section 30 of the *Ontario Occupational Health and Safety Act*, (the OHSA), Revised Statutes of Ontario 1990, (as amended). The building owner must provide the DSS report to all contractors working on the Phase One Property. Subsequently, all contractors must furnish the DSS report to their subcontractors;
- Due to the presence of moist / wet conditions that may contribute to mould growth and/or staining inferred to be indicative of mould growth, a comprehensive mould assessment is recommended;
- Under *Ontario Regulation 903*, any well that is not being used or maintained for future use as a well must be abandoned in accordance with the procedures set forth in the Regulation [(3)]. This Regulation also applies to monitoring and test wells such as those routinely installed for environmental and/or geotechnical testing purposes.

NOTE: The Executive Summary highlights the key points of the Phase One ESA only. For complete information and findings, as well as the limitations, the reader should examine the complete report.

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2.0 INTRODUCTION

Amec Foster Wheeler Environment & Infrastructure, a Division of Amec Foster Wheeler Americas Limited ("Amec Foster Wheeler"), was retained by Evergreen Community (Burlington) Ltd. ("Evergreen") to conduct a Phase One Environmental Site Assessment (ESA) of an agricultural and residential property located at 3232 Tremaine Road and 5421, 5453 and 5463 Dundas Street in Burlington, Ontario (the Phase One Property). Evergreen retained Amec Foster Wheeler to provide an evaluation of known and possible environmental issues at the Phase One Property in support of redevelopment and possible submission of a Record of Site Condition (RSC).

References to AMEC Earth & Environmental / AMEC Environment & Infrastructure have been changed to Amec Foster Wheeler throughout the text of this report to reflect our recent legal name change.

2.2 Phase One Property Information

Table 1: Phase One Property Information

Municipal Address	3232 Tremaine Road, Burlington, Ontario L7R 3X4 5421 Dundas Street, Burlington, Ontario L7R 3X4 5453 Dundas Street, Burlington, Ontario L7R 3X4 5463 Dundas Street, Burlington, Ontario L7R 3X4		
Legal Description: 3232 Tremaine Rd.	PT LT 1, CON 1 NDS, PART 1, 20R9410; BURLINGTON/NELSON TWP		
PIN	07201-0073 (LT)		
Legal Description: 5421 Dundas St.	PT LT 2, CON 1 NDS, AS IN 593807 S/T 593807; BURLINGTON/NELSON TWP		
PIN	07201-0061 (LT)		
Legal Description: 5453 Dundas St.	PT LT 1, CON 1 NDS, AS IN 351708 EXCEPT PM435., CITY OF BURLINGTON		
PIN	07201-0082 (LT)		
Legal Description: 5463 Dundas St.	PT LT 1, CON 1 NDS, AS IN 147071 & 105504 EXCEPT 1572221, 351708, 357001, 358015, 358350, 811155, PM436, PTS 1 & 2, 20R9410, PTS 1 TO 9 & 13, 14 & 15, 20R4656, PTS 25 & 27, 20R11257, PT 1, 20R13813, BURLINGTON		
PIN	07201-0093 (LT)		
Area (all 4 properties)	67 hectares (166 acres)		
UTM (NAD 83)	Zone 17	597448 Easting	4807897 Northing
Owner	Bruce Stevenson, Brian Stevenson, Glen Stevenson and the estate of David Norton		
Client	Evergreen Community (Burlington) Ltd.	2173 Turnberry Road Burlington, Ontario 416-991-3804 Fabio Mazzocco	

A key plan showing the location of the Phase One Property is provided on Figure 1. Figure 2 illustrates the configuration of the Phase One Property. A copy of the legal survey is provided in Appendix B.

3.0 SCOPE OF INVESTIGATION

This Phase One ESA was conducted in accordance with the requirements prescribed in Schedule D – Phase One Environmental Site Assessments as stipulated under *Ontario Regulation 153/04 Records of Site Condition, Part XV.1 of the Environmental Protection Act* (EPA), as amended (1) ("*O. Reg.153/04"*), and will support the filing of a Record of Site Condition (RSC).

This Phase One ESA was carried out in accordance with the Terms of Reference provided in Amec Foster Wheeler's proposal dated 16 September 2014. The scope of work for the Phase One ESA consisted of the following tasks:

- Reviewing the historical occupancy of the Phase One Property and surrounding properties through the use of available archived and relevant (in Amec Foster Wheeler's opinion) municipal and business directories, fire insurance plans (FIPs), historical plans (if applicable) and aerial photographs to identify land uses that may have impacted its environmental condition;
- Reviewing available geologic maps and well records for the vicinity of the Phase One Property;
- Conducting a "walk-through" visual assessment (i.e., reconnaissance) of the Phase One Property and building facilities in order to identify the presence of actual and / or potential environmental contaminants or concerns of significance;
- Conducting interviews with designated representative(s) as a resource for current and historical property information, as well as to provide Amec Foster Wheeler staff with unrestricted access to all areas of the Phase One Property and its buildings (as required by *O. Reg. 153/04* as amended);
- Contacting municipal and provincial agencies to determine the existence of records of environmental regulatory non-compliance, if any, and reviewing such records where available. It should be noted that responses from these agencies may not be received prior to preparation of the report. Evergreen will be notified when a response is received and advised of any additional costs to obtain these records;
- Obtaining a search of land title and assessment rolls for the Phase One Property;
- Obtaining an EcoLog Environmental Risk Information Services Ltd. (ERIS) report for the Phase One Property and surrounding properties within 300 metres;
- Obtaining copyrighted FIPs and/or privately held Property Underwriters' Reports and Property Underwriters' Plans for the Phase One Property from Opta through its Historical Environmental Information Reporting System (HEIRS™) and reviewing such records, where available;
- Preparing a report of our findings.

In completing the scope of work, Amec Foster Wheeler did not conduct any intrusive investigations, including sampling, analysis or monitoring. This Phase One ESA report is not to be construed as a regulatory compliance audit or review. Although this report discusses designated substances and hazardous materials including asbestos-containing materials (ACM), lead, mercury, ozone depleting substances (ODS), polychlorinated biphenyls (PCBs) and mould, the review was performed at a cursory

level and for the Phase One Property as a whole. No sampling or analytical testing for designated substances and/or hazardous materials was performed. This report should not be construed as a designated substance or hazardous materials survey or assessment. Recommendations made with respect to these items are provided as guidance only. All activities of the Phase One Environmental Site Assessment were completed under the supervision of a Qualified Person as defined by *O.Reg. 153/04*, as amended. In addition, the Qualified Person prepared the Conceptual Site Model, in accordance with Part VII of the Regulation.

A reference document, outlining the definitions and legislation references for the Phase One ESA, is provided in Appendix A.

4.0 RECORDS REVIEW

4.1 General

4.1.1 Phase One Study Area Determination

The default 250 m buffer from the Phase One Property boundaries was selected for the Phase One Study Area. Lands upgradient of the Phase One Property, beyond 250 m, are primarily residential and agricultural and it is not anticipated that environmental impacts affecting the Phase One Property would result from these land uses. For the purpose of this assessment north/south will be aligned with Tremaine Road and east/west will be aligned with Dundas Street.

4.1.2 First Developed Use Determination

According to historical records obtained by Amec Foster Wheeler, including street directories and aerial photography, and from discussions from the Phase One Property representative, the Phase One Property was first developed for agricultural land use. In approximately 1850, the southern portion of 5421 Dundas Street was developed for residential use. The southern portion of 5463 Dundas Street was also developed for residential use in approximately 1950. Since then, the residential dwelling at 5421 Dundas Street (the Phase One Property building) is still present and the remainder of the Phase One Property is utilized as agricultural land use.

4.1.3 Fire Insurance Plans

The Phase One Study Area was not listed in the *Catalogue of Canadian Fire Insurance Plans 1875-1975* [(4)].

4.1.4 Chain of Title

A chain of title was prepared to document the ownership of the Phase One Property. The chain of title listed only private individuals as owners between the years 1959 and 2011, suggesting the Phase One Property has been used only for agricultural or residential land use during its history. The chain of title provided to Amec Foster Wheeler from Evergreen did not go back to Crown, however, historical research (including aerial photographs) suggests that the Phase One Property has been utilized as agricultural and residential land use only.

The chain of title is included in Appendix D.

4.1.5 Environmental Reports

The following previous investigation reports were provided to Amec Foster Wheeler by the Phase One Property representative:

Table 2: Previous Environmental Reports

Phase I Environmental Site Assessment, 5421, 5453 and 5463 Dundas Street and 3232 Tremaine Road, Burlington, Ontario **Prepared by AMEC Earth & Environmental for Evergreen Community (Burlington) Ltd. January 22, 2008, TT73038**
Amec Foster Wheeler conducted a site reconnaissance on April 25, 2007. The site was occupied by two residential houses, one of which had recently been vacated. Major operations at the site have included cattle farming and the production of various crops including soy beans, corn, wheat and barley. A portion of the property behind the barn at 5463 Dundas Street has been used by a local paving company as a work/storage yard. The site representative informed Amec Foster Wheeler that the land was purchased in the 1950s for agricultural purposes; prior to the 1950s the land was used for similar uses. Based on the Phase I ESA completed by Amec Foster Wheeler, there was evidence of potential or actual contamination associated with the following activities related to the site. • The site has been used for agricultural purposes since before the 1950s; • Debris piles are visible at various locations on the 2002 aerial photos; • Amec Foster Wheeler noted twelve 205 L (45 gallon) drums, three of which contained unknown chemicals stored outside at the area used by the paving company. One of these drums was noted to be leaking. This portion of the property also contained numerous batteries stored in drums and in a small shed; • The site representatives informed Amec Foster Wheeler that pesticides and herbicides have been used on the site for agricultural purposes for a number of years; • Amec Foster Wheeler was advised by the site representatives that one (1) underground storage tank (“UST”) is present on site. Furthermore, vent/fill pipes were observed during the site reconnaissance suggesting the presence of an UST; • Amec Foster Wheeler was advised by the site representatives, and observed the presence of two (2) above ground storage tanks (“ASTs”) at the Site during the reconnaissance; • Soil stockpiles were noted in the area utilized by the paving company, additionally, the site representatives informed Amec Foster Wheeler that an unknown quantity of soil fill was placed at the intersection of two farm roads located approximately 200 metres north of 5453 Dundas Street; and, • The property at 5401 Dundas Street, adjacent and west of 5421 Dundas Street has been used as a transit facility since the early 1970s and was listed as an industrial waste generator for the years 1986 – 1990 and 1992 – 2005. A fuel pump station is visible on the 2002 aerial photo. EcoLog ERIS reported a 68,190 L private fuel storage tank on the property. Additionally, the TSSA reported a 45,400 L fibreglass diesel UST, a 10,000 L fibreglass gasoline UST as well as a waste oil AST on the property. A Phase II ESA was recommended as a means of addressing the on-site UST and AST as well as the off-site USTs and AST, the leaking drum, batteries and soil stockpiles in the area used by the paving company, the fill north of 5453 Dundas Street, the various metal debris piles and the use of pesticides for agricultural purposes.
Draft for Discussion, Phase II Environmental Site Assessment and Tank Removal, 5421, 5453 and 5463 Dundas Street and 3232 Tremaine Road, Burlington, Ontario **Prepared by AMEC Earth & Environmental for Evergreen Developments C/O Argo Developments, January 22, 2008, TT73038**
Five (5) boreholes equipped with monitoring wells, eighteen (18) testpits and three (3) shallow soil sampling holes were advanced at the site under Amec Foster Wheeler supervision to address specific environmental concerns. One 500 gallon UST and one 250 gallon AST was removed and disposed off-site as scrap metal. Prior to the UST removal, a total of 2190 litres of fuel/water from the 500 gallon UST and approximately 100 litres of fuel/water from the 250 gallon AST were removed from the UST and AST and hauled to a licensed waste receiver. Approximately 72 tonnes of petroleum impacted soil from

the UST excavation and AST footprint were hauled off-site and disposed at the Newalta landfill Site in Stoney Creek. The above work was conducted in order to address concerns outlined in a report prepared by Amec Foster Wheeler for Evergreen entitled, "Phase I Environmental Site Assessment, 5421, 5453 & 5463 Dundas Street and 3232 Tremaine Road, Burlington, Ontario", dated October 20, 2007.

The site was assessed according to Ontario Regulation 153/04 using the full depth option of the Generic Site Condition methodology. The site was compared to Table 2 standards for Potable Ground Water Condition and Agricultural or Other Property Use. Soils encountered included clayey silt, silty sand / sandy silt till and weathered shale.

Based on laboratory results, Table 2 exceedances were reported from soil collected from BH27A for BTEX and PHC F1 and F2 and soil submitted from TP-AST for PHC F2 and F3 (however this soil was removed off-site and additional confirmation sampling (AST-2) indicated no impacts at this location). Ground water samples exceeded Table 2 guidelines from BH27A for 1,2-dichloroethane and from BH27B for BTEX, PHC F1+F2 and 1,2-dichloroethane.

Due to high levels of hydrocarbons in soil from BH27A, the VOC sample was diluted and the method detection limit corrected for the dilution factor used. MDL values for the VOC sample were increased greater than Table 2 standards and will require additional sampling to confirm no VOC exceedances greater than Table 2 standards are present at this location after remedial activities have been concluded.

The remaining soil and ground water samples collected from the Site were non-detect or below the Table 2 standards for all parameters analyzed.

It should be noted that various debris was noted in TP1, TP2, TP4, TP5, TP6 and TP7 including metal, shingles, brick, asphalt and paving stones and remains on site.

Additionally, should an RSC be required for the site, additional work may be required within 30 metres of the bank of the pond adjacent to the west property line to ensure the portion of the site meets Table 1 standards.

It should be noted that Ontario Regulation 153/04 has been amended since the Phase II ESA was completed, as such, site condition standards are currently more stringent than the values used to previously assess the property.

When comparing the existing laboratory results to the current regulatory standards. A number of samples previously found to be below the site condition standards now exceed the standards. Additionally, the introduction of several defined natural heritage systems across the site will require more stringent Table 1 site condition standards to be met.

The following sampling locations may require Table 1 site condition standards: BH5, BH20, BH23, BH27A, BH27B, TP4, TP5, TP6, and TP7.

Based on Laboratory results, soil exceedances of the Table 1 site condition standards are as follows

- Petroleum hydrocarbons: BH27A;
- Volatile organic compounds: BH27A,
- Metals & inorganics: BH23, TP6, TP7; and
- Polycyclic aromatic hydrocarbons: TP4, TP6, TP7.

Based on Laboratory results, ground water exceedances of the Table 1 site condition standards are as follows

- Volatile organic compounds: BH27A, BH27B; and
- Petroleum hydrocarbons: BH27B.

The following sampling locations may apply Table 2 site condition standards: BH13, BH19A, BH19B, BH26, AST, UST, TP1, TP2 and TP3.

Based on Laboratory results, soil exceedances of the Table 2 site condition standards are as follows

- Metals & inorganics: TP2.

The remaining soil and ground water samples were non-detect or below the applicable site condition standards for all parameters analyzed.

It should also be noted that reportable detection limits for multiple samples are now at concentrations greater than the required site condition standards. As such, an uncertainty if these samples exceed or meet the applicable site condition standards exists.

Additionally, numerous hydrogeology and geotechnical investigations have been conducted by Amec Foster Wheeler for the Phase One Property in conjunction with the 2007 Phase Two ESA.

The 2007 Phase Two ESA borehole and test pit location plan can be found in Figure 5.

4.1.6 Other Information

4.1.6.1 City Directories

Amec Foster Wheeler reviewed City directories, available at McMaster University in Hamilton, Ontario, for the years 1961, 1966, 1969, 1971, 1976, 1981, 1986, 1991, 1996, 2001, 2006, 2011 and 2013. According to the city directories reviewed, the following occupants were listed as occupants of the Phase One Property:

Table 3: Business Directory Listings

Years		Occupant - 5421 Dundas Street
1969	2013	Not listed
Years		**Occupant - 5453 Dundas Street**
1969	2013	Not listed
Years		**Occupant - 5463 Dundas Street**
2001	2013	Individual names – Inferred residential
1986	2001	Individual names – Inferred residential
1976	1981	Not listed
1970	1971	Individual names – Inferred residential
1969	1969	Not listed
Years		**Occupant - 3232 Tremaine Road**
1961	2013	Not listed

The area surrounding the Phase One Property generally consisted of mixed residential, agricultural, and commercial land uses. Of particular note was the address listed below:

Municipal Address	Year(s)	Name	PCA
5401 Dundas St. (adjacent west)	2013, 2006, 2001, 1986	Laidlaw Transit Ltd.	28 –Gasoline and associated products storage in fixed tanks 10 –Commercial auto body shops
	1981	Travelways School Transit System	
	1976	Maple Leaf Coach Lines	
	1976, 1970	Norton C H Bus Lines	

4.1.6.2 Underwriter Reports and Plans

Amec Foster Wheeler contacted Opta for Property Underwriters Reports, and/or Property Underwriters Plans. No records were available for the Phase One Property.

4.2 Environmental Source Information

Table 4: Regulatory and Database Information

Title	Date	Findings
Inventory of Coal Gasification Plant Waste Sites in Ontario (MOE) and Inventory of Industrial Sites Producing or Using Coal Tar and Related Sites in Ontario (5)	April 1987 and November 1988	No coal tar or waste sites were listed within 1 km of the Phase One Property.
Waste Disposal Site Inventory (6)	June 1991	No waste disposal sites for which a Certificate of Approval for operation was issued by the Ontario Ministry of the Environment were listed within 1 km of the Phase One Property.
Halton Region (Contacted for records of environmental regulatory non-compliance concerning the Phase One Property)	October 2014	No records were found for the Phase One Property with the exception of the following: • Halton Region's GIS System identified a tributary of Bronte Creek located at 5421 Dundas Street and Fourteen Mile Creek was located at 3232 Tremaine Road.
Ministry of the Environment and Climate Change (Electronic search of records since 1985 for outstanding actions, violations, control orders, summons, complaints, spills hazardous waste documents, or certificates of approval for the Phase One Property)	October 2014	No records were found for the Phase One Property.
Technical Standards and Safety Authority (TSSA) Information concerning presence of petroleum storage tanks, fuel spill records, accidents or fuel-related incidents which may be registered for Phase One Property or surrounding properties.	October 3, 2014	TSSA contacted by email. Ms. Sarah Quibell of the TSSA informed Amec Foster Wheeler that there are no USTs registered for the Phase One Property. The property located at 5401 Dundas Street, adjacent to the west of the Phase One Property is listed as having one (1) active gasoline, single wall UST with a 10,000 L capacity and fibreglass corrosion protection that was installed in 1974, one (1) active diesel, single wall UST with a 45,460 L capacity and fibreglass corrosion protection

		that was installed in 1984, and one (1) active single wall AST used for waste oil, with a 2,208 L capacity, with painted corrosion protection that was installed in 1974.

Table 5: EcoLog ERIS Data

Address	Distance from Phase One Property	Findings
5463 Dundas Street	Phase One Property	• Argo Developments Corporation was a registered waste generator (#ON9092723) for light fuels in 2007/08 (generator waste registration was in relation to the UST and AST tank removals monitored by Amec Foster Wheeler in 2007.) • Eleven records of domestic and abandoned water wells were noted to be installed in 1953, 1955, 1976, 1989, 2007 and 2012. Water levels with the wells ranged from 2.74 to 9.75 m. Soil stratigraphy in the wells was noted as fill, sand, clay and/or shale
5401 Dundas Street	Adjacent to the west	• FirstCanada ULC was registered in 1974 and 1984 for a fibreglass 45,460 litre diesel underground storage tank, a fibreglass 10,000 litre gasoline underground storage tank and a steel 2,208 diesel aboveground storage tank. • FirstCanada ULC/Laidlaw Transit Ltd./Travelways School Transit Ltd. was a registered waste generator (#ON0222809) for aliphatic solvents, petroleum distillates, light fuels, oil skimmings and sludges and waste oils and lubricants from 1986 to 2014. • Laidlaw Transit Ltd. was listed as a private fuel outlet in 2007/08 with a capacity of 68,190 litres.
Not applicable	Surrounding the Phase One Property	• Boreholes drilled in the vicinity of the Phase One Property suggest red weathered shale begins around 5.1 to 6.3 m.

A copy of the EcoLog ERIS report is included in Appendix C. Only records which Amec Foster Wheeler considers as potentially affecting the Phase One Property are provided in the table above. Details for additional records, which are not anticipated to affect the soil and ground water conditions of the Phase One Property, are provided in the complete EcoLog ERIS report.

4.3 Physical Setting Sources

4.3.1 Aerial Photographs

Aerial photographs of the Phase One Study Area were obtained from the National Aerial Photo Library for the year 1934, from McMaster University Library in Hamilton, Ontario, for the years 1954/55, 1960, 1979, 1988, 2002 and from the City of Burlington's Interactive Mapping website for the year 2013. An interval of approximately 10 years between each aerial photograph, subject to aerial photograph availability and scale, was deemed sufficient to characterize changes in the Phase One Study Area during its history. During periods of rapid change, an attempt was made to reduce the interval between aerial photographs to gain a better understanding of the Phase One Study Area.

Table 6: Aerial Photographs

Date Scale	Phase One Property	Surrounding Properties
1934	The Phase One Property appears to be used for agricultural purposes. Driveways and inferred residential buildings are visible along Dundas Street in the locations of the houses located at 5421, and 5463 Dundas Street. 3232 Tremaine Road appears to be undeveloped. Orchards are visible at the south end of 5421, 5463 and on 5453 Dundas Street.	Surrounding properties appear to be used for agricultural purposes to the north, south and east. West of the Phase One Property is agricultural lands followed by woodlands and the Bronte Creek gorge.
1954/55	The Phase One Property appears to be used for agricultural purposes, no buildings are visible on aerial photo.	Surrounding properties appear to be used for agricultural purposes to the north, south and east. West of the Phase One Property is agricultural lands followed by woodlands and the Bronte Creek gorge. A disturbed area is visible to the west of the Phase One Property.
1960	Driveway is visible along Dundas Street in the locations of the houses located at 5421, 5453 and 5463 Dundas Street. 3232 Tremaine Road still appears to be undeveloped.	Surrounding properties appear to be used for agricultural purposes to the north, east south and west. Adjacent to the southwest corner of the Phase One Property appears to be developed. West of the Bronte Creek gorge has been developed.
1979	An inferred residential structure is visible at 3232 Tremaine Road. A roadway is visible leading from 5421 Dundas Street and leads to a pond that is visible on adjacent property to the west. Rectangular structures are also visible at 5463 Dundas Road, to the north of 5453 Dundas Road.	Rectangular structures, inferred to be school buses, are visible on the property adjacent to the southwest corner of the Phase One Property. There appears to be a significant amount of ground disturbance at the property located adjacent to the west of Bronte Creek gorge.
1988	A driveway appears off Tremaine Road leading towards 5421 Dundas Street.	A quarry appears to be on the west side of the Bronte Creek gorge.
2002	The structure previously present at 3232 Tremaine Road is no longer visible. Structures are still visible at 5421, 5453 and 5463 Dundas Street. Vehicles and debris piles visible behind buildings at 5463 and 5421 Dundas Street.	Highway 407 along with a transport truck weight station is visible adjacent to the north of the Phase One Property. A fuel pump station is visible at 5401 Dundas Street.
2013	Buildings are no longer visible at 5453 and 5463 Dundas Street.	A Hydro One transformer station is located adjacent to the north of Highway 407. A quarry is now visible to the northwest of the Phase One Property, to the north of Highway 407. (Based on distance and inferred ground water flow direction, these properties are not expected to represent an environmental concern with respect to the Phase One Property.)

Copies of the aerial photographs are presented in Appendix E.

4.3.2 Topography, Hydrology, Geology

The Phase One Property lies at an approximate elevation of 160 m above sea level (mASL). The topography across the Phase One Property is undulating with an overall relief of 10 m. Figure 1 includes the Ontario Base Map of the Phase One ESA Study Area.

Based on available mapping resources, the overburden in the vicinity of the Phase One Study Area is interpreted to be Halton Till consisting of clay or silt till [(7)]. Bedrock is anticipated to consist of red shale of the Queenston Formation [(8)]. Bedrock is anticipated to be encountered at ranges of approximately 5 to 12 metres below ground surface (mbgs) [(9)]. Soils encountered during the 2007 Phase Two ESA and previous geotechnical assessments generally include topsoil overlaying clayey silt followed by clayey silt/silty sand/sandy silt till over weathered shale.

The regional ground water flow direction, based on topographic features, knowledge gained from other sites in the area and a previously conducted hydrogeological investigation for the Phase One Property, is expected to be south and east over most of the area of the Phase One Property. Along the western portion of the Phase One Property, flow is expected to be downslope towards Bronte Creek. Locally, however, the shallow ground water flow may be influenced by underground utility trenches, conduits, and structures, variations in soil type, and minor fluctuations in topography.

4.3.3 Fill Materials

Previous environmental and geotechnical investigations have identified fill at the Phase One Property. Details of the fill materials can be found in Section 6.2.8.

4.3.4 Water Bodies and Areas of Natural Significance

Bronte Creek is located approximately 0.3 km west of the Phase One Property and flows south/southeast towards Lake Ontario. A tributary of Fourteen Mile Creek was observed to be located on the north and southeast corner of 5463 Dundas Street. Additionally, a pond approximately 1.25 ha (3.09 acres) in area is located approximately 55 metres west of the Phase One Property. Additional verification would be required to confirm if the either of the tributaries of Fourteen Mile Creek are considered a “water body” as defined by *O.Reg. 153/04*, as amended. Until such confirmation is obtained, the Phase One Property includes land that is within 30 m of a “water body” and the Phase One Study Area is located within or within 30 m of an Area of Natural Significance which classifies it as a sensitive site under *O.Reg. 153/04*, as amended. Amec Foster Wheeler was provided with a preliminary draft plan for the Phase One Property and was informed that the Phase One Property contains areas that are part of the Region of Halton’s Natural Heritage System. Blocks 430 and 432, as well as Block 429 (as shown on the Draft Plan of Subdivision in Appendix H) are part of the Region of Halton’s Natural Heritage System. As well, a portion of Block 430 contains a habitat of endangered species. Further assessment would need to be conducted at the Phase One property to determine if less stringent standards may be applied to the Phase One Property for areas more than 30 m from the

designated sensitive areas. A copy of the Draft Plan of Subdivision from Evergreen Community (Burlington) Ltd. for the Phase One Property can be found in Appendix H.

4.3.5 Well Records

4.3.5.1 Water and Test Wells

Domestic water and test wells are present throughout the Phase One Property. The majority of the wells are located at the southern portion of the Phase One Property. The Phase One Property building obtains its water from a domestic well located to the northwest of the building, adjacent to the surrounding property to the west. Several abandoned wells were also observed on the Phase One Property. Water well records were obtained through EcoLog ERIS and details of depth and construction can be referenced in Appendix C.

MOE Well Records indicate that fifteen (15) observation and/or test wells (or Well Clusters) and domestic wells were drilled at the surrounding properties within the Phase One Study Area. The locations of these wells are illustrated in the EcoLog ERIS report in Appendix C.

4.3.5.2 Oil and Gas Wells

A search of the Oil, Gas and Salt Resources database by EcoLog ERIS did not find any wells within the Phase One Study Area.

4.4 Phase One Property Operating Records

The Phase One Property is not currently used in whole, or in part, for an industrial use.

5.0 INTERVIEWS

Contacts were made as required to evaluate the existing/historical Phase One Property operations and to obtain additional information, as follows:

Table 7: Property Representative Information

Name and Company or Affiliation	Position	Interview Details (Date, Place, Method, Reason for Interview)
Tom Pett	Tenant at 5421 Dundas Street	Interviewed in person on 6 October 2014 from 9:00 am to 9:30 am. Selected for interview because he has been a tenant at 5421 Dundas Street for 35 years.
Bruce Stevenson	Current Owner	Interviewed in person on April 25, 2007. Selected for interview because he is one of the owners of the Phase One Property.

Pertinent information obtained during the course of the interviews is noted in the applicable portions of Section 5. Records of the interviews are provided in Appendix F.

6.0 PHASE ONE PROPERTY RECONNAISSANCE

6.1 General Requirements

Under the supervision of Jeff Carson, P.Eng. Qualified Person, Jessica Cozzitorto and Jonathan Wakani, P.Geo., of Amec Foster Wheeler conducted a reconnaissance of the Phase One Property on 6 October 2014 to evaluate possible issues and to assess whether any surrounding land uses may have and/or are currently impacting the environmental condition of the Phase One Property. On the day of the reconnaissance the weather was 15 °C and sunny. Ground cover conditions at the time of the Phase One Property reconnaissance were wet and mostly covered with heavy vegetation and agricultural crops which may have limited Amec Foster Wheeler's observations.

6.2 Specific Observations at Phase One Property

6.2.1 Phase One Property Description and Buildings

Table 8: Property Description and Buildings

	Building A
Number of Storeys	2
Building Footprint	Approximately 300 m^2
Total Building Area	Approximately 300 m^2
Year Constructed	Estimated to be 1850
Renovations / Additions	Underwent additions to the east side of the Phase One Property building in approximately 1890.
Foundation	Full basement
Building Exterior	Wood siding, metal roof
Building Interior	Lath & plaster walls and ceilings, wood and vinyl tile floors, and stucco / 12 inch by 12 inch ceiling tiles.
Exterior Ground Cover	The majority of the Phase One Property exterior area outside of the building footprint was surfaced with corn and soy agricultural crops, forest, and grassed area. The driveway surface was gravel.
Exits and Entrances	The Phase One Property building consists of two (2) residential apartments. Doorways were observed on the north, east, south and west sides of the building.
Heating Source	One (1) natural gas fired hydronic unit.
Natural Gas Connected	Unknown
Historical Heating Source	The Phase One Property representative was unable to comment as to when the conversion to the current heating system took place but commented that it has been gas for as long as he has been a tenant (35+ years).
Electrical Service	Supplied to the Phase One Property by Burlington Hydro via one (1) pole-mounted transformer with overhead cables located to the southeast of the Phase One Property building.
Potable Water Supply	Water is obtained from a private well located to the northwest side of the Phase One Property building.

	Building A
Sanitary Septic	Discharged to a septic system via an underground septic tank located to the east of the Phase One Property building.
Drains, Sumps, Pits	No drains, sumps or pits were observed in the Phase One Property building.

Selected photographs of the Phase One Property are presented in Appendix G.

A former chicken coop/barn was also observed on the Phase One Property at 5421 Dundas Street during the Phase One Property reconnaissance.

According to the Phase One Property representative, additional residential buildings were formerly present on the Phase One Property at 5453 Dundas Street and 3232 Tremaine Road but have since been demolished. Additionally, a barn was located at 5463 Dundas Street.

Amec Foster Wheeler did not access the second residential apartment unit within 5421 Dundas Street at the time of the Phase One Property reconnaissance on October 6, 2014. The residential apartment was accessed during the Phase One Property reconnaissance conducted on April 25, 2007 and the observations from that Phase One Property reconnaissance are included in the building description above. It is not anticipated that the current contents of the residential apartment will impact the findings of this Phase One ESA.

6.2.2 Utility Easements

According to the representative no utility easement is present on the Phase One Property.

6.2.3 Storage Tanks

The representative advised Amec Foster Wheeler that there are currently no ASTs or USTs at the Phase One Property. Amec Foster Wheeler did not observe any active ASTs or USTs during the reconnaissance and did not observe fill or vent pipes during the suggesting the presence of USTs. Two (2) empty ASTs were observed on the Phase One property reconnaissance.

Observations made by Amec Foster Wheeler during the Phase One ESA reconnaissance conducted on April 25, 2007, identified two (2) ASTs at the residential building on the Phase One Property located at the southern portion of 5463 Dundas Street. One (1) 250 gallon (1,136 L) fuel oil AST was observed in the basement of the residential building. The other AST was observed to be approximately 15 m northeast of the residential building and was a 250 gallon (1,136 L) tank reported to contain diesel. One (1) UST was also observed to be on the Phase One Property at southern portion of 5463 Dundas Street. The tank was reported to have historically contained approximately 500 gallons (2,273 L) of diesel and had not been used for approximately 30 years.

There was no information from the historical review to indicate the former presence of ASTs and/or USTs. Additionally, the TSSA does not have any records of USTs registered to the Phase One Property.

On May 24, 2007 and October 3 and 4 2007, Amec Foster Wheeler supervised the removal of the 500 gallon UST and the exterior, 250 gallon AST by a licensed contractor. Prior to the UST removal, a total of 2,190 litres of fuel/water from the 500 gallon UST and approximately 100 litres of fuel/water from the 250 gallon AST were removed and hauled to a licensed waste receiver. Approximately 72 tonnes of petroleum impacted soil from the UST excavation and AST footprint were hauled off-site and disposed.

Amec Foster Wheeler obtained soil samples from the walls and floor of the UST excavation and from the base of the AST footprint. Based on Ontario Regulation 153/04, as amended, a number of samples previously found to be below the site condition standards now exceed the standards. Sample TP-AST exceeds Table 1 and Table 2 Site Condition Standards (SCS) for petroleum hydrocarbons (PHC) F2 and F3 as well as exceeds Table 1 SCS for PHC F1 minus BTEX. Sample BH26 exceeds Table 1 SCS for 1,2 dichloroethane in ground water. AST-1 exceeds Table 1 and Table 2 SCS for various parameters for polycyclic aromatic hydrocarbons (PAHs). The reportable detection limits for benzene and xylene for sample UST and AST-2 were elevated above the Table 1 SCS and are now at concentrations greater than the required SCS and therefore are considered exceedances until further confirmatory sampling can be conducted.

The details of the second (interior) AST removal are not known.

6.2.4 Phase One Property Production and Manufacturing

No manufacturing takes place on the Phase One Property.

6.2.5 Chemical Storage/Handling and Floor Condition

Small quantities (i.e., 1 to 5 litres (L)) of household cleaning and maintenance supplies were observed during the reconnaissance. The concrete floor in the storage area was observed to be generally in good physical condition (i.e., no cracking, pitting or staining) and no open floor drains were observed nearby. Gasoline containers were observed to be stored to the south of the shed/garage associated with the Phase One Property building. No other chemicals or hazardous materials were observed indoors or outdoors at the time of the reconnaissance and no significant environmental issues regarding chemical storage at the Phase One Property were identified.

6.2.6 Areas of Stained Soil or Pavement, or Stressed Vegetation

Amec Foster Wheeler conducted a walkover of the exterior of the Phase One Property and did not observe any areas of stained soil or pavement, dead zones or unexplained concrete slabs. Stressed vegetation was observed in the area formerly utilized by the paving company.

6.2.7 Spills

The representative advised Amec Foster Wheeler that no chemical spills have occurred at the Phase One Property. No evidence of chemical spills, accidental releases or significant staining was observed inside the Phase One Property building.

Amec Foster Wheeler conducted a walkover of the Phase One Property to identify any areas of significant surface staining, stressed vegetation or any other potential indicators of surface spills or leaks. No areas of significant surface staining or stressed vegetation were observed at the time of the reconnaissance. However, Amec Foster Wheeler's Phase II ESA conducted in 2007 identified petroleum impacts at the southwest corner of the Phase One Property which appears to originate from a surface spill (potentially from the adjacent property to the west).

6.2.8 Debris, Fill and Methane

The 2007 Phase One ESA identified the presence of amounts of fill material to be present at the Phase One Property. Soil stockpiles were noted in the area utilized by the paving company. During a Phase One Property visit on October 2, 2007, Amec Foster Wheeler noted that the stockpiles had been removed, however a large amount of fill was still present in this area. Additionally, the Phase One Property representative had informed Amec Foster Wheeler that an unknown quantity of soil fill was placed at the intersection of two farm roads located approximately 200 metres north of 5453 Dundas Street. The presence of suspect deleterious materials in the soil stockpiles (such as refuse / debris) was noted. The topography of the property was observed to be higher in elevation in some areas compared to the surrounding properties, suggesting the presence of fill. Based on observations made at the time of the reconnaissance, the presence of significant amounts of fill material is still inferred to be present in the area previously utilized by the paving company. Consequently, the presence of fill material containing suspect deleterious products may present a significant environmental issue.

The Phase One Property is not near (i.e., within 1 km of) any active or closed landfill sites. Methane gas is not inferred to be a significant environmental issue.

6.2.9 Radon

The location of the Phase One Property was evaluated against the locations of a 1993 soil radon gas study published by the Ontario Geological Survey (OGS) (10). The City of Burlington and the location of the Phase One Property are not within the four (4) main study areas investigated by the OGS. A search of the websites of Burlington and Halton Region did not reveal any results indicating radon to be a concern in the area, and Amec Foster Wheeler is not aware of other records of the presence or emission of radon gas in the immediate area of the City of Burlington.

6.2.10 Air Emissions and Odours

Amec Foster Wheeler did not observe the presence of air emission sources at the time of the reconnaissance that could possibly affect the environmental condition of the Phase One Property (i.e., building surfaces and/or surficial soils). The only air emission sources observed by Amec Foster Wheeler were exhausts from the building's general building ventilation, kitchen and washroom vents. No significant environmental issues regarding air emissions have been identified based on the nature of the emission sources observed during the reconnaissance.

6.2.11 Mould

Amec Foster Wheeler was advised by the representative that a mould survey/assessment has not been conducted at the Phase One Property.

Evidence of conditions that may promote mould growth (e.g., moist or wet conditions) was observed during the reconnaissance. Observations were made only in readily accessible areas of the existing residential building (i.e., did not include concealed spaces such as behind walls or above ceilings). The Phase One Property representative informed Amec Foster Wheeler that there had been historical water intrusion issues associated with the roofing and had since been fixed. Amec Foster Wheeler observed damaged plaster walls and ceilings on the second floor of the residence as a result of the water intrusion.

6.2.12 Designated Substances and Hazardous Building Materials

There are eleven designated substances that are regulated by the Occupational Health & Safety Act (OHSA), including asbestos, lead, mercury, silica, arsenic, acrylonitrile, benzene, coke oven emissions, ethylene oxide, isocyanates and vinyl chloride.

Given the nature of the Phase One Property building and property use, Amec Foster Wheeler has focused on specific designated substances as described in the following subsections:

6.2.12.1 Asbestos

Amec Foster Wheeler was advised by the Phase One Property representative that an asbestos survey has not been conducted, and that asbestos-containing materials (ACMs) are not known to be present. Suspect friable and non-friable ACMs observed as part of the Phase One ESA included, but are not limited to plaster walls and ceilings and vinyl sheet flooring.

6.2.12.2 Lead

Some of the interior walls of the Phase One Property buildings contained painted surfaces. Given the date of construction of the building (i.e., approximately 1850s), it is likely that lead-containing paints (LCPs) are present. Observations made at the time of the reconnaissance indicated that the painted surfaces were in poor physical condition (i.e., peeling and/or flaking) on the second level of the residence as well as on the exterior surface of the residence.

6.2.12.3 Silica

Silica is not anticipated to be an issue of potential concern at the Phase One Property.

6.2.12.4 Mercury

Minor amounts of mercury are commonly found in a variety of building materials including mercury vapour lamps and thermostats and other electrical control switches. Mercury vapour is suspected to be present in compact fluorescent light bulbs. Mercury maybe also be present in thermostats. Given the potential quantities of mercury present and their intended use, no potential concerns are expected.

6.2.13 Other Substances

6.2.13.1 Polychlorinated Biphenyls

Electrical service is supplied to the Phase One Property by Burlington Hydro via one (1) oil-filled pole-mounted transformer located to the southeast of the Phase One Property building located at 5421 Dundas Street. Since the Phase One Study Area was developed prior to 1950, these transformers likely contain PCBs as the use of PCBs in oil-filled transformers was not discontinued until the early 1980s. Staining of the ground surface near the oil-filled pole-mounted transformer was not observed during the reconnaissance. No other suspected PCB-containing equipment was observed at the Phase One Property.

Fluorescent light fixtures were not observed throughout the Phase One Property building.

6.2.13.2 Ozone Depleting Substances

The presence of window-mounted air conditioning units were observed at the Phase One Property. Commonly, these units are charged with known ozone depleting substances (ODSs). The Phase One Property representatives advised that ODSs are not stored at the Phase One Property. Furthermore, ODSs were not observed to be stored at the Phase One Property at the time of the reconnaissance.

Apart from the equipment identified above and the presence of residential-type refrigerator / freezers, no other equipment was observed at the Phase One Property that could potentially contain ODSs.

6.2.13.3 Radioactive Materials

Radioactive material or equipment (labelled as such) was not observed at the Phase One Property and the property is not registered with the CNSC. No testing for the presence of radioactive material was undertaken.

6.2.14 Generated Wastes

Based on discussions with the representative, and on observations made by Amec Foster Wheeler during the reconnaissance, it is Amec Foster Wheeler's understanding that the Phase One Property generates only non-hazardous solid waste from general operation activities. Non-hazardous solid waste generated at the Phase One Property is stored in residential garbage containers and removed by municipal garbage services on a weekly basis. It should be noted that Amec Foster Wheeler observed various piles of wood, metal and general refuse debris piles stored on Phase One Property, north of the residential building located at 5421 Dundas Street. Amec Foster Wheeler also observed piles of construction waste such as concrete blocks, wooden beams, empty metal drums, railway ties, and tires on the property located at 5463 Dundas Street, to the north of 5453 Dundas Street.

The generation, storage or disposal of liquid or solid industrial wastes was not observed at the time of the reconnaissance. The Phase One Property is not listed in the current MOE computer database as a registered generator of liquid or solid industrial or hazardous waste. However, ERIS reviewed the

MOE computer database "*Ontario Regulation 347 Waste Generators Summary*" and Argo Developments Corporation was listed a registered waste generator (#ON9092723) for light fuels in 2007/08 for the property located at 5463 Dundas Street (which was a one-time disposal during the UST removal as detailed in section 6.2.3).

6.2.15 Liquid Discharge Points and Spills History

No discharge points were observed on the Phase One Property and no spills have occurred.

6.3 Enhanced Investigation Property

Clause 32(1)(b) of *O.Reg. 153/04*, as amended, defines an *enhanced investigation property* as a property: (i) that has or is being used for industrial purposes; or (ii) that is being used or has been used, in whole or in part as: a) a garage, b) as a bulk liquid dispensing facility, including a gasoline outlet, or c) for the operation of dry cleaning equipment, unless either of the following two circumstances apply:

- an RSC has been filed for the Phase One Property, (ii) the current Phase One ESA did not identify a PCA at the Phase One Property other than PCAs identified in the Phase One ESA used in support of the RSC, and (iii) the current QP determines that there are no APECs at the Phase One Property; or
- the Phase One Property is currently used for an agricultural or other use, or a community use, an institutional use, a parkland use or a residential use; and (ii) since the latest date on which the Phase One Property ceased being used for a purpose that would otherwise qualify it as an enhanced investigation property, an RSC has been filed for the Phase One Property.

The Phase One Property does not qualify as an enhanced investigation property.

6.3.1.1 Hazardous Materials Use/Storage

No hazardous materials are used or stored at the Phase One Property.

6.4 Written Description of Investigation

Copies of Amec Foster Wheeler's Inspection and Interview notes are provided in Appendix F and were outlined throughout this Report. In summary, the reconnaissance and related inquiries identified the following areas of potential environmental concern:

- APEC-1: A portion of 5463 Dundas Street, just north of 5453 Dundas Street, was historically utilized by a paving company to store numerous batteries and twelve (12) 205 L storage drums. Piles of debris and soil stock piles were also present in the area utilized by the paving company. Additionally, an unknown quantity of soil fill was placed at the intersection of two farm roads located approximately 200 m north of 5453 Dundas Street. Contaminants of concern include metals & inorganics, PAHs, BNAE, PHCs and OCs;
- APEC-2: One (1) historical UST and two (2) historical ASTs were present on the southern portion of 5463 Dundas Street. The UST and exterior AST were removed from the Phase One Property

in 2007. However, when comparing the existing laboratory results from Amec Foster Wheeler's 2007 Phase Two ESA and tank pull activities to the current regulatory standards, as amended, numerous samples previously found to be below the site condition standards, now exceed the standards. Contaminants of concern include VOCs, PAHs and PHCs. Additionally, the details of the second (interior) AST removal are not known; and,

- APEC-3: A current transit facility and fuel service station is located adjacent to the west of the Phase One Property at the southwest corner of 5421 Dundas Street. This adjacent property, 5401 Dundas Street, is also listed in the TSSA for two (2) active USTs and one (1) active AST. This property is also a registered waste generator for aliphatic solvents, petroleum distillates, light fuels, oil skimmings and sludges, and waste oils and lubricants. Contaminants of concern include metals & inorganics, PHCs and VOCs.

7.0 REVIEW AND EVALUATION OF INVESTIGATION

7.1 Current and Past Uses

According to historical records obtained by Amec Foster Wheeler and from discussions with the representative, the history of the occupancy of the Phase One Property is as follows:

Table 9: Current and Past Uses of the Phase One Property

Year	Owner/Occupant	Description of Property Use	Property Use	Other Observations from Aerial Photographs, FIPs, etc.
Pre-1875	Unknown	Agricultural and Residential	Agricultural and Residential	-
1875-1934	Unknown	Agricultural and Residential	Agricultural and Residential	-
1934-1959	Unknown	Inferred Agricultural	Agricultural	1934 & 1954 aerial photographs
1960-2014	Bruce Stevenson, Brian Stevenson, Glen Stevenson and the estate of David Norton	Agricultural and Residential	Agricultural and Residential	Aerial photographs and city directories

7.2 Potentially Contaminating Activities

Potentially and/or known contaminating activities (PCA) at the Phase One Property consist of:

- Fill of unknown quality is suspected to be present on the southern portion of the Phase One Property at 5463 Dundas Street in the location where a paving company historically occupied;
- The historical storage of twelve (12) 205 L drums which contained unknown chemicals, and battery storage were stored in the location where the paving company historically occupied; and,
- The historical presence of one (1) UST and two (2) ASTs were located at the southern portion of 5463 Dundas Street.

The above mentioned PCAs at the Phase One Property were observed during Amec Foster Wheeler's Phase One ESA reconnaissance conducted on April 25, 2007. The twelve (12) 205 L drums and the UST and ASTs were not observed during Amec Foster Wheeler's October 6, 2014 reconnaissance. However, significant amounts of fill are still present on the southern portion of the Phase One Property at 5463 Dundas Street. Analytical results from Amec Foster Wheeler's 2007 Phase Two ESA to address the fill, drum storage and UST and ASTs, were compared to current regulatory standards and numerous samples previously found to be below the site condition standards, now exceed the current site condition standards.

Potentially contaminating activities elsewhere in the Phase One Study Area consist of:

- A current transit facility and fuel service station is located adjacent to the west of the Phase One Property at the southwest corner of 5421 Dundas Street. 5401 Dundas Street is also listed in the TSSA as having two (2) active USTs and one (1) active AST. This property is also a registered waste generator. Amec Foster Wheeler's 2007 Phase II ESA identified petroleum exceedances in soil and ground water at the southwest corner of the property, which may have originated from a surface spill at or beyond the property boundary;

7.3 Areas of Potential Environmental Concern

Amec Foster Wheeler's findings regarding areas of potential environmental concern (APEC) as a result of the records review, interviews and the reconnaissance are presented in the previous sections. Section 7.4, Conceptual Site Model, provides more detailed discussion on these findings and their supporting rationale.

Table 10: Table of Areas of Potential Environmental Concern

Area of Potential Environmental Concern	Location of APEC on Phase One Property	Potentially Contaminating Activity*	Location of PCA	Contaminants of Potential Concern	Media Potentially Impacted
APEC-1: Former location historically utilized by the paving company which included the storing of twelve 205 L drums, battery storage, and soil stock piles, piles of debris and soil fill	South portion of 5463 Dundas Street, north of 5453 Dundas Street.	30-Importation of fill material of unknown quality Other-battery storage Other-Storage of unconfirmed liquids in drums	On-site	Metals & inorganics PAHs BNAE PHCs OCs	Soil Ground water
APEC 2: Historical presence of one (1) UST and two (2) ASTs	Southern portion of the Phase One Property located at 5463 Dundas Street.	28 –Gasoline and associated products storage in fixed tanks	On-site	VOCs PAHs PHCs	Soil Ground water
APEC-3: Current transit facility and fuel pumping station and known contamination resulting in PHC and VOC exceedances on the Phase One Property.	5401 Dundas Street, adjacent to the southwest corner	10 –Commercial auto body shops 28 –Gasoline and associated products storage in fixed tanks	Off-site	Metals & inorganics PHCs VOCs	Soil Ground water

*Potentially Contaminating Activity (PCA) described specifically for the Phase One Property with reference to the applicable item number in the Table of Potentially Contaminating Activities provided in Schedule D of *O.Reg. 153/04* as amended, where applicable. ** - Exceedance present due to elevated RDLs above current regulatory criteria

BNAE - Base, Neutral, Acid Extractables (a.k.a. Semi-Volatile Organic Compounds/SVOCs)
OCs – Organochlorine Pesticides
PHCs – Petroleum Hydrocarbons
PAHs - Polycyclic Aromatic Hydrocarbons

VOCs – Volatile Organic Compounds

7.4 Phase One Conceptual Site Model

7.4.1 Physical Setting

The topography across the Phase One Property is undulating. A review of topographic maps indicated that the Phase One Property lies at an approximate elevation of 160 mASL. The regional ground water flow direction, based on topographic features, knowledge gained from other sites in the area and a previously conducted hydrogeological investigation for the Phase One Property, is expected to be south and east over most of the area of the Phase One Property. Along the western portion of the Phase One Property, flow is expected to be downslope towards Bronte Creek. Soils encountered during the 2007 Phase Two ESA and previous geotechnical assessments generally include topsoil overlaying clayey silt followed by clayey silt/silty sand/sandy silt till over weathered shale. Bedrock is anticipated to consist of red shale of the Queenston Formation and is anticipated to be encountered at approximately 5 to 12 mASL.

A review of historical and current records indicated domestic and test wells are present throughout the Phase One Property. The majority of the wells are located at the southern portion of the Phase One Property. Several abandoned wells were also observed on the Phase One Property. MOE Well Records also indicated that fifteen (15) observation and/or test wells (or Well Clusters) were drilled at the surrounding properties within the Phase One Study Area.

7.4.2 Water Bodies and Areas of Natural Significance

Bronte Creek is located approximately 0.3 km west of the Phase One Property and flows south/southeast towards Lake Ontario. Tributaries of Fourteen Mile Creek were observed to be located on the north and southeast corner of 5463 Dundas Street. Additionally, a pond approximately 1.25 ha (3.09 acres) in area is located approximately 55 metres west of the Phase One Property. Additional verification would be required to confirm if the Fourteen Mile Creek tributary is considered a “water body” as defined by *O.Reg. 153/04*, as amended. Until such conformation is obtained, the Phase One Property includes land that is within 30 m of a “water body” and the Phase One Study Area is located within or within 30 m of an Area of Natural Significance which classifies it as a sensitive site under *O.Reg. 153/04*, as amended.

7.4.3 Phase One Property Structures and Preferential Pathways

One (1) residential building was located on the southwest corner at 5421 Dundas Street. The Phase One Property building has a fill basement. No drains, sumps or pits were observed in the basement at the time if the Phase One Property reconnaissance. A septic system is located to the east of the Phase One Property building. No storm water and sanitary sewers were observed on the Phase One Property. Storm water drains off into drainage ditches located along Dundas Street and Tremaine Road. A seasonal swale was observed to pass through the Phase One Property from the pond, located to the west of the Phase One Property diagonally up to the intersection of Dundas Street and Tremaine Road. Fourteen Mile Creek was observed to be located on the north corner of 5463 Dundas Street. The

majority of the Phase One Property exterior area outside of the building footprint was surfaced with corn and soy agricultural crops, forest, and grassed area. The driveway surface was gravel.

Preferential pathways for contaminant migration exist from:

- Storm water drainage ditches along Dundas Street and Tremaine Road;
- Observation / test and domestic wells;
- Fourteen Mile Creek located on the southeast corner of 5463 Dundas Street;
- Fourteen Mile Creek located on the north corner of 5463 Dundas Street;
- The septic system to the east of the Phase One Property building;
- Any potential fractions in bedrock; and,
- Utility service trenches (such as natural gas, however is considered to be a shallow trench).

The storm water drainage ditches along Dundas Street and Tremaine Road, the presence of wells on the Phase One Property, Fourteen Mile Creek tributaries and the septic system, are not considered to influence the migration of any impacts at the Phase One Property given the location of each with respect to any of the APECs and known environmental impacts.

7.4.4 Sources of Contamination

Fill of unknown quality is suspected to be present on the southern portion of the Phase One Property in the location where a paving company historically occupied. The 2007 Phase One ESA identified an unknown quantity of soil fill placed at the intersection of two farm roads located approximately 200 metres north of 5453 Dundas Street. The 2007 Phase One ESA also identified the storage of twelve (12) 205 L drums which contained unknown chemicals stored in the same area along with the storage of numerous batteries in a small shed. When comparing the existing laboratory results from Amec Foster Wheeler's 2007 Phase Two ESA to the current regulatory standards, as amended, to address these issues previously identified by Amec Foster Wheeler in the 2007 Phase One ESA, numerous samples previously found to be below the site condition standards, now exceed the standards. Soil and ground water could potentially be impacted by metals & inorganics, PAHs, PHCs and OCs from these sources. A 1934 air photo illustrates a potential orchard within the same area of the site as the above paving company. Normally orchards are a concern with OC pesticides, however, given the year (1934) is prior to pesticide use (i.e. DDT) which was not available in Canada until 1946, this former orchard is not considered to be a significant environmental concern.

The historical presence of two (2) ASTs were observed at the residential building on the Phase One Property located at the southern portion of 5463 Dundas Street in 2007. One (1) UST and one (1) AST were removed by Amec Foster Wheeler from the southern portion of 5463 Dundas Street. When comparing the existing laboratory results from Amec Foster Wheeler's 2007 Phase Two ESA and tank pull activities to the current regulatory standards, as amended, numerous samples previously found to be below the site condition standards, now exceed the standards. Soil and ground water could potentially be impacted by VOCs, PAHs and PHCs from these sources.

A current transit facility and fuel service station is located adjacent to the west of the Phase One Property at the southwest corner of 5421 Dundas Street. This adjacent property, 5401 Dundas Street, is also listed in the TSSA as having two (2) active USTs and one (1) active AST. This property is also a registered waste generator for aliphatic solvents, petroleum distillates, light fuels, oil skimmings and sludges, and waste oils and lubricants. Soil and ground water could potentially be impacted by metals & inorganics, VOCs, and PHCs from these sources.

Amec Foster Wheeler's 2007 Phase Two ESA, identified PHC and VOC exceedances for soil and ground water on the Phase One Property as a result of a suspected surface spill at 5401 Dundas Street.

7.4.5 Contaminant Migration

Given the limited underground utility service at the Phase One property, utility service trenches are not considered to be a significant preferential conduit. Natural gas may be the only utility in the area of potential impacts that may be considered to be a potential conduit and may require further investigation (southwest corner of property). The overall local and regional ground water flow appears to be to the west (towards Bronte Creek) and to the south/southeast (towards Fourteen Mile Creek). The native low permeable silts and clays should limit the vertical and horizontal migration of any environmental impacts.

The ground water flow may influence the extent of known petroleum hydrocarbon and VOC impacts located at the southwest corner of the property, however, further delineation of both soil and ground water is required. Based on observations recorded during the 2007 Phase II ESA, the petroleum hydrocarbon/VOC impacts appears to originate from a surficial spill or leak at or beyond the west property boundary (onto 5401 Dundas Street). Test pit observations demonstrate petroleum impacts (staining, odours, vapours) started at a shallow depth closer to the property boundary and gradually started at a greater depth below grade the further test pits were excavated from the western property boundary.

The presence of fill materials, debris and former drum storage from the former paving company appears to be surficial impacts only and contained to a localized area of the Phase One Property with little to no potential for migration, however, further delineation is still required to confirm the extent of impacts (metals & inorganics, PAHs and PHCs) on the southern portion of the Phase One Property.

Given the change in Site Condition Standards, further sampling and analysis of both soil and ground water is required for the area of the former UST. Given the low concentrations of petroleum hydrocarbons observed during the 2007 soil and ground water sampling assessment and location of the former UST, the potential for significant migration of any residual petroleum hydrocarbons is considered to be low.

The storm water drainage ditches along Dundas Street and Tremaine Road, the presence of wells on the Phase One Property, Fourteen Mile Creek tributaries and the septic system, are not considered to

influence the migration of any impacts at the Phase One Property given the location of each with respect to any of the APECs and known environmental impacts.

7.4.6 Uncertainty and Data Gaps

No uncertainty and data gaps exist from the perspective of Phase One documentation, however, further Phase Two ESA is required to delineate impacts and/or update soil and ground water conditions in comparison to recent Site Condition Standards.

8.0 CONCLUSIONS AND RECOMMENDATIONS

8.1 Summary

Based on the Phase One ESA completed by Amec Foster Wheeler conducted on 6 October 2014, there is evidence of potentially contaminating activities related to the Phase One Study Area:

Area of Potential Environmental Concern	Location of APEC on Phase One Property	Potentially Contaminating Activity*	Location of PCA	Contaminants of Potential Concern	Media Potentially Impacted
APEC-1: Former location historically utilized by the paving company which included the storing of twelve 205 L drums, battery storage, and soil stock piles, piles of debris and soil fill	South portion of 5463 Dundas Street, north of 5453 Dundas Street.	30-Importation of fill material of unknown quality Other-battery storage Other-Storage of unconfirmed liquids in drums	On-site	Metals & inorganics PAHs BNAE PHCs OCs	Soil Ground water
APEC 2: Historical presence of one (1) UST and two (2) ASTs	Southern portion of the Phase One Property located at 5463 Dundas Street.	28 –Gasoline and associated products storage in fixed tanks	On-site	VOCs PAHs PHCs	Soil Ground water
APEC-3: Current transit facility and fuel pumping station and known contamination resulting in PHC and VOC exceedances on the Phase One Property.	5401 Dundas Street, adjacent to the southwest corner	10 –Commercial auto body shops 28 –Gasoline and associated products storage in fixed tanks	Off-site	Metals & inorganics PHCs VOCs	Soil Ground water

*Potentially Contaminating Activity (PCA) described specifically for the Phase One Property with reference to the applicable item number in the Table of Potentially Contaminating Activities provided in Schedule D of *O.Reg. 153/04* as amended, where applicable. ** - Exceedance present due to elevated RDLs above current regulatory criteria

BNAE - Base, Neutral, Acid Extractables (a.k.a. Semi-Volatile Organic Compounds/SVOCs)
OCs – Organochlorine Pesticides
PHCs – Petroleum Hydrocarbons
PAHs - Polycyclic Aromatic Hydrocarbons
VOCs – Volatile Organic Compounds

8.2 Whether Phase Two Environmental Site Assessment Required Before Record of Site Condition Submitted

A Phase Two ESA would be required at this Phase One Property in the event that a Record of Site Condition were required for the following reasons:

- Fill of unknown quality is suspected to be present on the southern portion of the Phase One Property in the location where a paving company historically occupied. The 2007 Phase One ESA identified an unknown quantity of soil fill placed at the intersection of two farm roads located approximately 200 metres north of 5453 Dundas Street. The 2007 Phase One ESA also identified the storage of twelve (12) 205 L drums which contained unknown chemicals stored in the same area along with the storage of numerous batteries in a small shed. When comparing the existing laboratory results from Amec Foster Wheeler's 2007 Phase Two ESA to the current regulatory standards, numerous samples previously found to be below the site condition standards, now exceed the standards; and,

- Observations made by Amec Foster Wheeler during the Phase One Property reconnaissance conducted on April 25, 2007, identified two (2) aboveground storage tanks (ASTs) at the residential building located at the southern portion of 5463 Dundas Street. One (1) underground storage tank (UST) and one (1) AST were removed by Amec Foster Wheeler from the southern portion of 5463 Dundas Street. When comparing the existing laboratory results from Amec Foster Wheeler's 2007 Phase Two ESA and tank pull activities to the current regulatory standards, as amended, numerous samples previously found to be below the site condition standards, now exceed the standards.

- Potentially contaminating activities within the Phase One Study Area include:

    - A current transit facility and fuel service station is located to the west of the Phase One Property adjacent to 5421 Dundas Street. This adjacent property, 5401 Dundas Street, is also listed in the TSSA as having two (2) active USTs and one (1) active AST. This property is also a registered waste generator for aliphatic solvents, petroleum distillates, light fuels, oil skimmings and sludges, and waste oils and lubricants. Based on the analytical results from Amec Foster Wheeler's 2007 Phase Two ESA, exceedances for PHCs and VOCs in soil and groundwater were found on the Phase One Property at the southwest corner. The contamination is suspected to have originated from a surface fuel spill or leak in the area of the property line, potentially from the adjacent property.

8.3 Potential Operational/Management Issues

In addition, to address potential operational / management issues, Amec Foster Wheeler offers the following recommendations:

- Suspected asbestos containing materials (ACM) in the form of plaster walls and ceilings, and vinyl sheet flooring were observed within the building. Due to the presence of suspected ACM, a comprehensive asbestos survey is recommended in order to comply with *Ontario Regulation 278/05 and Ontario Regulation 279/05*. In addition, if ACM is present, an asbestos management plan will be required for any confirmed friable ACM which is not abated or has not been tested to be deemed non asbestos;
- Lead-containing paint (LCP) is suspected to be present at the Phase One Property based on the age of the building and criteria outlined in the Canadian Hazardous Products Act – Surface Coating Materials Regulation dated April 2005. As enforced by the Ministry of Labour (MOL), all lead-containing paint in poor condition must be removed by a qualified lead abatement contractor as outlined in the MOL Guideline titled the "The Control of Lead Exposures during the Removal of Lead on Construction Projects";
- A Designated Substances Survey (DSS) is required if future repair, renovation or demolition activities are planned which could affect suspect ACMs and lead-containing paints. A DSS is required to fulfil the Owner's requirements under Section 30 of the *Ontario Occupational Health and Safety Act*, (the OHSA), Revised Statutes of Ontario 1990, (as amended). The building owner must provide the DSS report to all contractors working on the Phase One Property. Subsequently, all contractors must furnish the DSS report to their subcontractors;
- Due to the presence of moist / wet conditions that may contribute to mould growth and/or staining inferred to be indicative of mould growth, a comprehensive mould assessment is recommended;
- Under *Ontario Regulation 903*, any well that is not being used or maintained for future use as a well must be abandoned in accordance with the procedures set forth in the Regulation. This Regulation also applies to monitoring and test wells such as those routinely installed for environmental and/or geotechnical testing purposes.

8.4 Closure

Under the supervision of Jeff Carson, P.Eng., QP, Jessica Cozzitorto and Jonathan Wakani, P.Geo., of Amec Foster Wheeler conducted the Phase One Property reconnaissance. Any practice of geoscience documented within this report was undertaken by or under the supervision of a Professional Engineer or Professional Geoscientist licensed in the Province of Ontario. The Qualifications of the Assessors are provided in Appendix I.

This report was prepared for the exclusive use of Evergreen Community (Burlington) Ltd., and is intended to provide a Phase One Environmental Site Assessment (ESA) of 3232 Tremaine Road, 5421, 5453 and 5463 Dundas Street in Burlington, Ontario at the time of the Phase One Property visit. Any use which a third party makes of this report, or any reliance on or decisions to be made based on it, are the responsibility of the third party. Should additional parties require reliance on this report, written authorization from Amec Foster Wheeler will be required. With respect to third parties, Amec Foster Wheeler has no liability or responsibility for losses of any kind whatsoever, including direct or consequential financial effects on transactions or property values, or requirements for follow-up actions and costs.

The report is based on data and information collected during the Phase One ESA of the property conducted by Amec Foster Wheeler. It is based solely on the conditions of the Phase One Property encountered at the time of the Phase One Property visit on 6 October 2014, supplemented by a review of historical information and data obtained by Amec Foster Wheeler as described in this report, and discussion with a representative of the owner/occupant, as reported herein. Except as otherwise maybe specified, Amec Foster Wheeler disclaims any obligation to update this report for events taking place, or with respect to information that becomes available to Amec Foster Wheeler after the time during which Amec Foster Wheeler conducted the Phase One ESA.

In evaluating the property, Amec Foster Wheeler has relied in good faith on information provided by other individuals noted in this report. Amec Foster Wheeler has assumed that the information provided is factual and accurate. In addition, the findings in this report are based, to a large degree, upon information provided by the current owner/occupant. Amec Foster Wheeler accepts no responsibility for any deficiency, misstatement or inaccuracy contained in this report as a result of omissions, misinterpretations or fraudulent acts of persons interviewed or contacted.

Amec Foster Wheeler makes no other representations whatsoever, including those concerning the legal significance of its findings, or as to other legal matters touched on in this report, including, but not limited to, ownership of any property, or the application of any law to the facts set forth herein. With respect to regulatory compliance issues, regulatory statutes are subject to interpretation and change. Such interpretations and regulatory changes should be reviewed with legal counsel.

This Report is also subject to the further Standard Limitations contained in Appendix J.

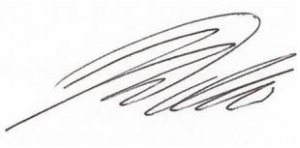
If you have any questions or require further information, please contact the undersigned.

Amec Foster Wheeler Environment & Infrastructure,
a Division of Amec Foster Wheeler Americas Limited

Prepared by:



Jessica Cozzitorto
Environmental Technician



Jonathan Wakani, P.Geo.
Geoscientist

Reviewed by:



Jeff Carson, P.Eng., QP
Associate Environmental Engineer

9.0 REFERENCES

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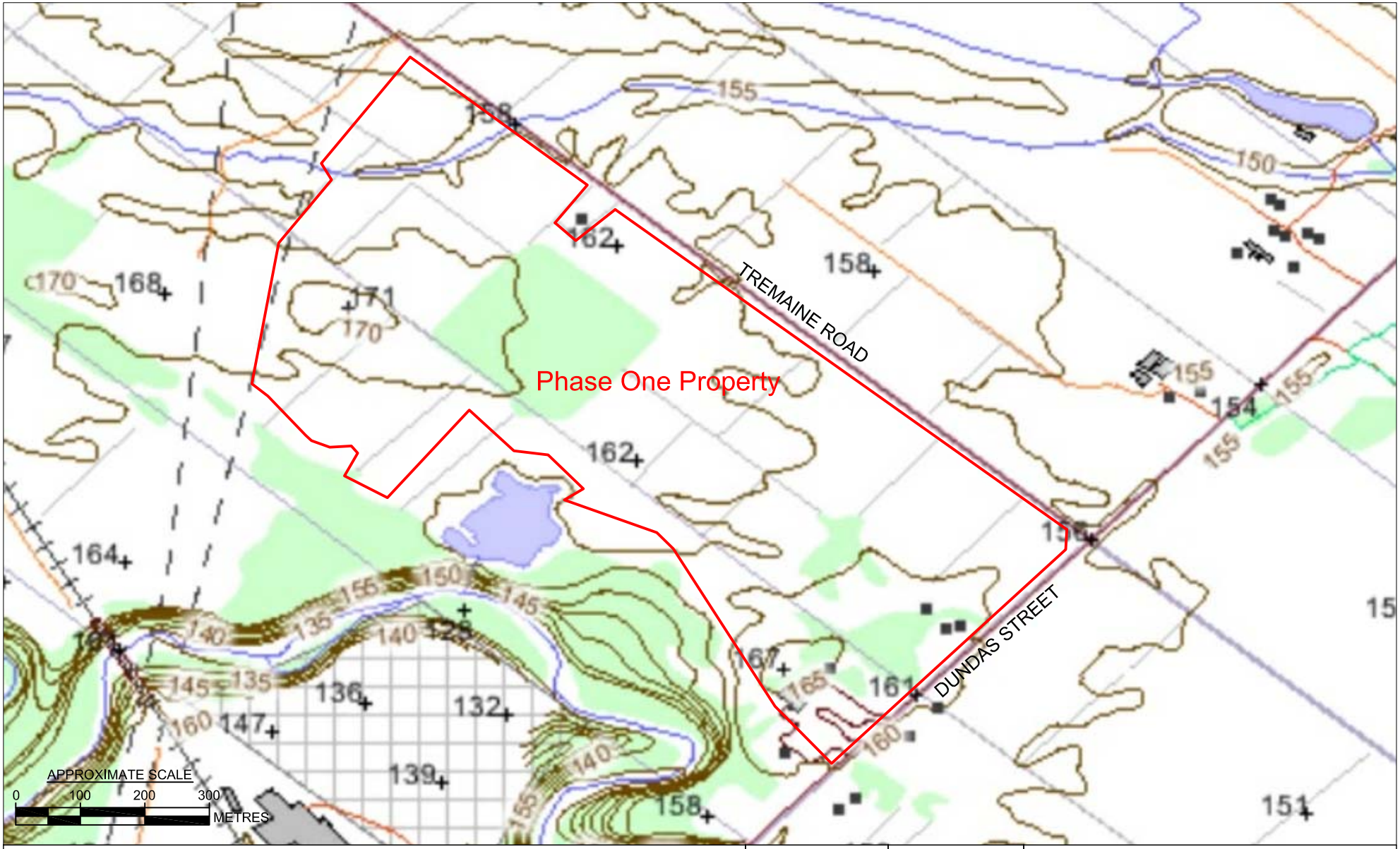
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FIGURES



LEGEND

APPROXIMATE PHASE ONE PROPERTY BOUNDARY

NOTES:

LOCATION OF FEATURES IS APPROXIMATE.

THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH THE AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE REPORT No. TB141022 DATED JULY 2015.

Conditions encountered in the field may be different from the interpreted information presented on this figure.

ONTARIO BASE MAP FROM ONTARIO GEOGRAPHY NETWORK: WWW.GEOGRAPHYNETWORK.CA

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PHASE ONE ENVIRONMENTAL SITE ASSESSMENT
5421, 5453 and 5463 Dundas Street and 3232 Tremaine Road
Burlington, Ontario

PHASE ONE PROPERTY LOCATION MAP

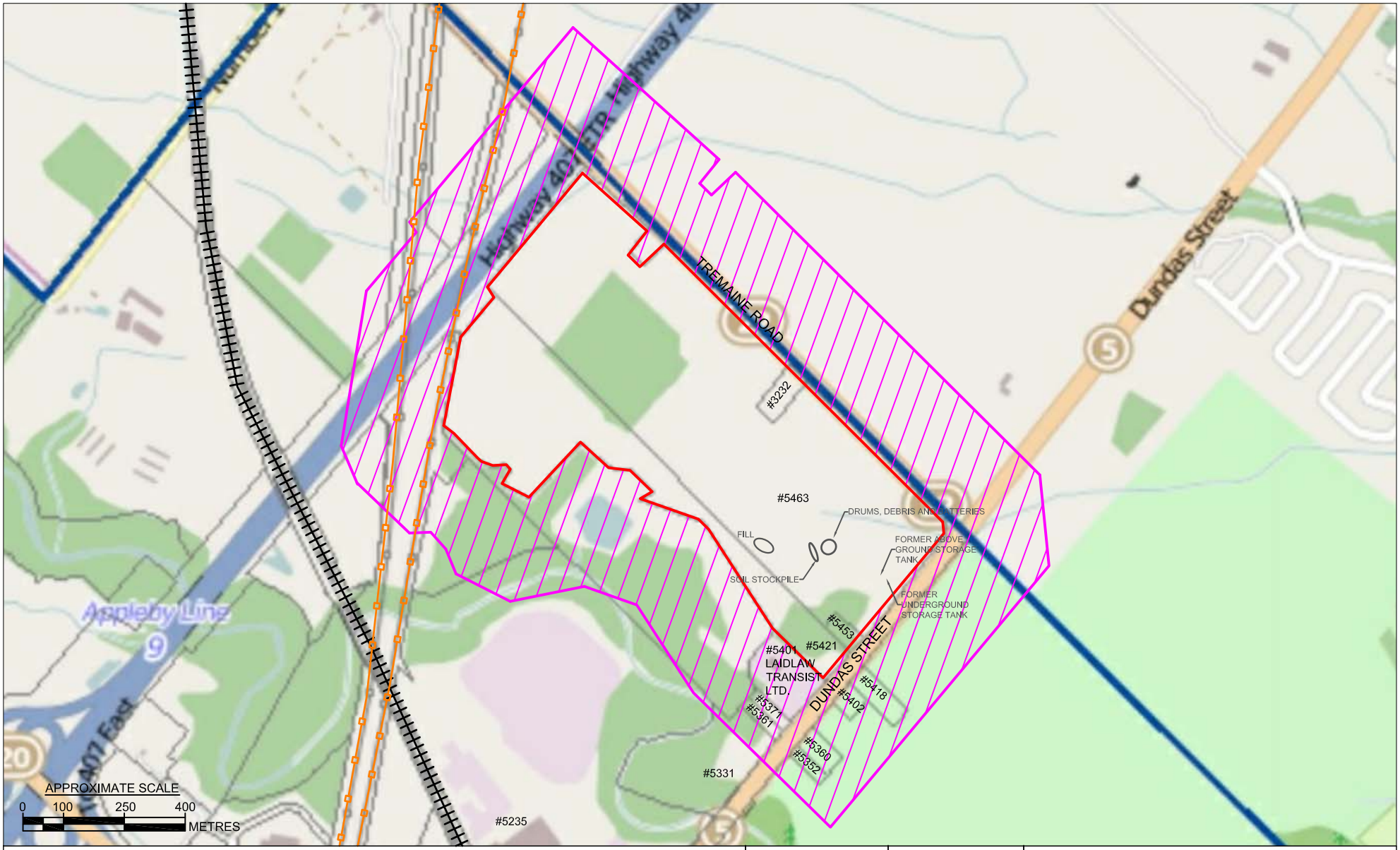
PROJECT N°: TB141022
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FIGURE: 1

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LEGEND

- APPROXIMATE PHASE ONE PROPERTY BOUNDARY
- APPROXIMATE 250 METRE PHASE ONE STUDY AREA
- WATERCOURSE/WATER BODY
- HYDRO CORRIDOR
- RAIL LINE

NOTES:

LOCATION OF FEATURES IS APPROXIMATE.

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SITE PLAN OBTAINED FROM CITY OF BURLINGTON WEBSITE. HTTP://MAPPING.BURLINGTON.CA

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PHASE ONE ENVIRONMENTAL SITE ASSESSMENT
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Property Plan

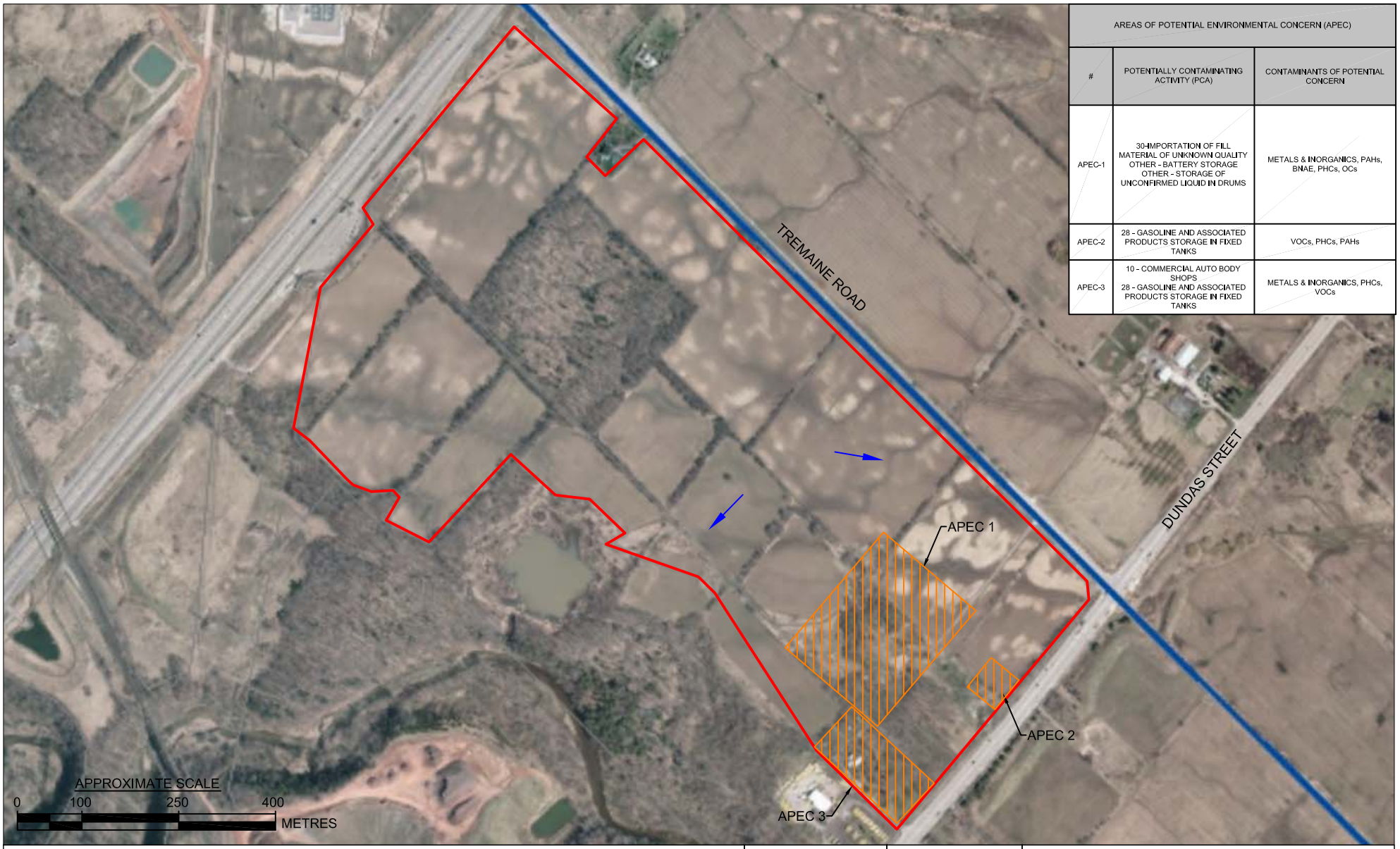
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FIGURE: 2

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AREAS OF POTENTIAL ENVIRONMENTAL CONCERN (APEC)		
#	POTENTIALLY CONTAMINATING ACTIVITY (PCA)	CONTAMINANTS OF POTENTIAL CONCERN
APEC-1	30-IMPORTATION OF FILL MATERIAL OF UNKNOWN QUALITY OTHER - BATTERY STORAGE OTHER - STORAGE OF UNCONFIRMED LIQUID IN DRUMS	METALS & INORGANICS, PAHs, BNAE, PHCs, OCs
APEC-2	28 - GASOLINE AND ASSOCIATED PRODUCTS STORAGE IN FIXED TANKS	VOCs, PHCs, PAHs
APEC-3	10 - COMMERCIAL AUTO BODY SHOPS 28 - GASOLINE AND ASSOCIATED PRODUCTS STORAGE IN FIXED TANKS	METALS & INORGANICS, PHCs, VOCs

LEGEND

- APPROXIMATE PHASE ONE PROPERTY BOUNDARY
- AREA OF POTENTIAL ENVIRONMENTAL CONCERN
- INFERRED GROUND WATER FLOW DIRECTION

NOTES:

LOCATION OF FEATURES IS APPROXIMATE.

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PHASE ONE ENVIRONMENTAL SITE ASSESSMENT
5421, 5453 and 5463 Dundas Street and 3232 Tremaine Road
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DETAILED PROPERTY PLAN AND CONCEPTUAL SITE MODEL

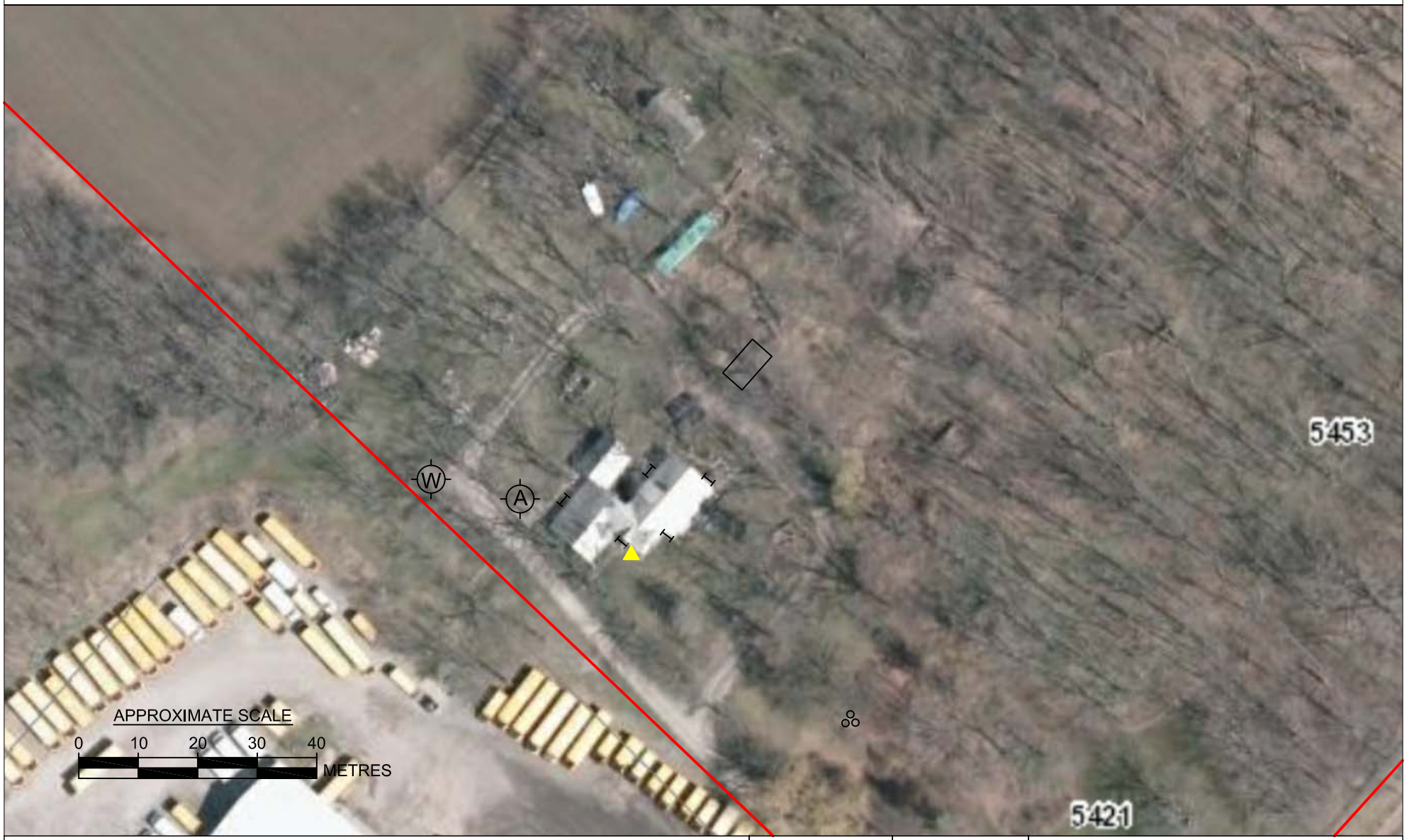
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FIGURE: 3

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LEGEND

- APPROXIMATE PHASE ONE PROPERTY BOUNDARY
- WATER WELL
- NATURAL GAS METER
- POLE-MOUNTED TRANSFORMER
- MAN DOOR
- SEPTIC BED
- ABANDONED WELL

NOTES:

LOCATION OF FEATURES IS APPROXIMATE.

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N W E S

PHASE ONE ENVIRONMENTAL SITE ASSESSMENT
5421, 5453 and 5463 Dundas Street and 3232 Tremaine Road
Burlington, Ontario

DETAILED PROPERTY PLAN OF
PHASE ONE PROPERTY BUILDING

PROJECT N°: TB141022

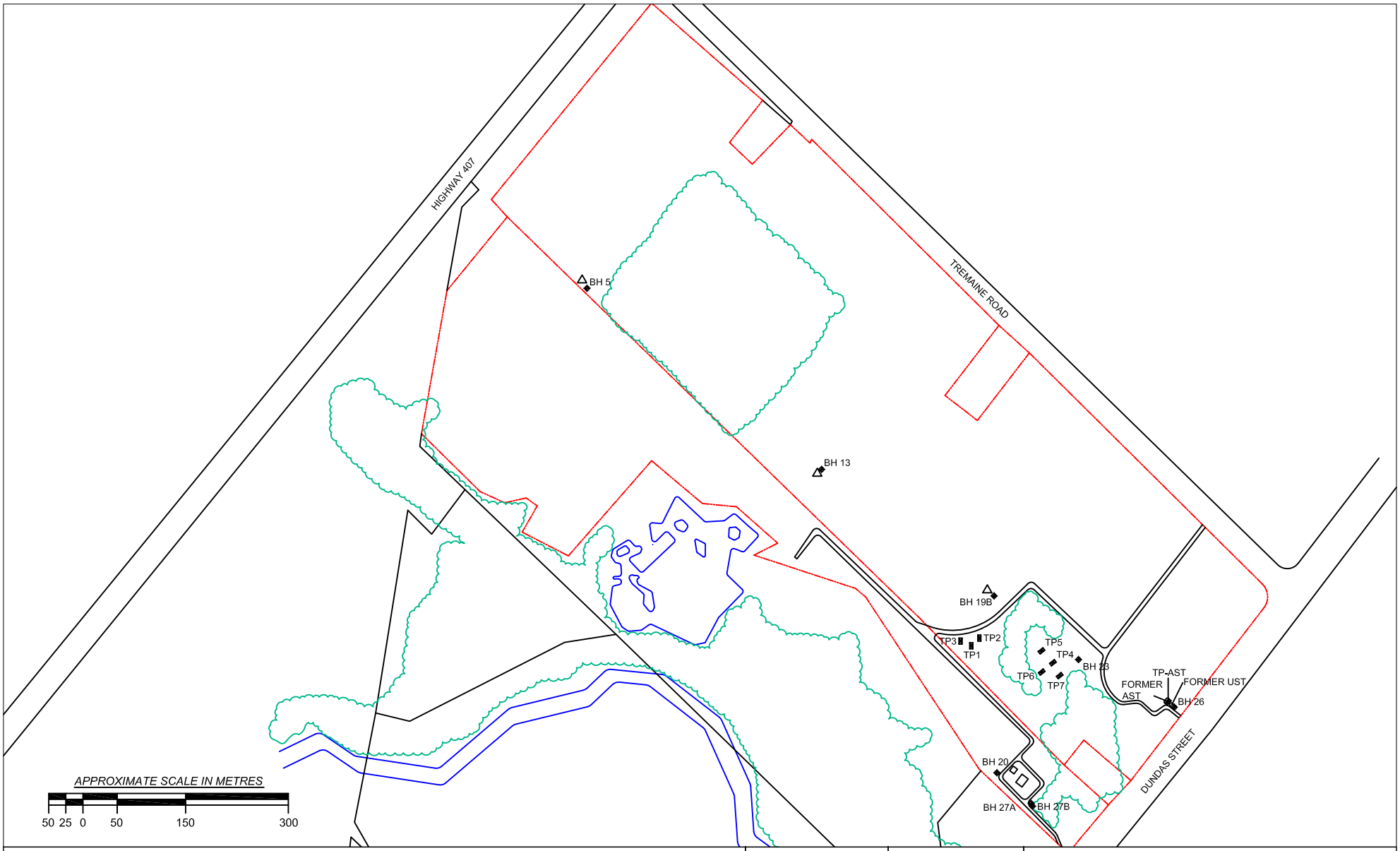
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FIGURE: 4

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LEGEND

- APPROXIMATE PHASE ONE PROPERTY BOUNDARY
- BH — BOREHOLE
- TP — TEST PIT
- SOIL SAMPLE

NOTES:

LOCATION OF FEATURES IS APPROXIMATE.

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Conditions encountered in the field may be different from the Interpreted Information presented on this figure.

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PHASE ONE ENVIRONMENTAL SITE ASSESSMENT
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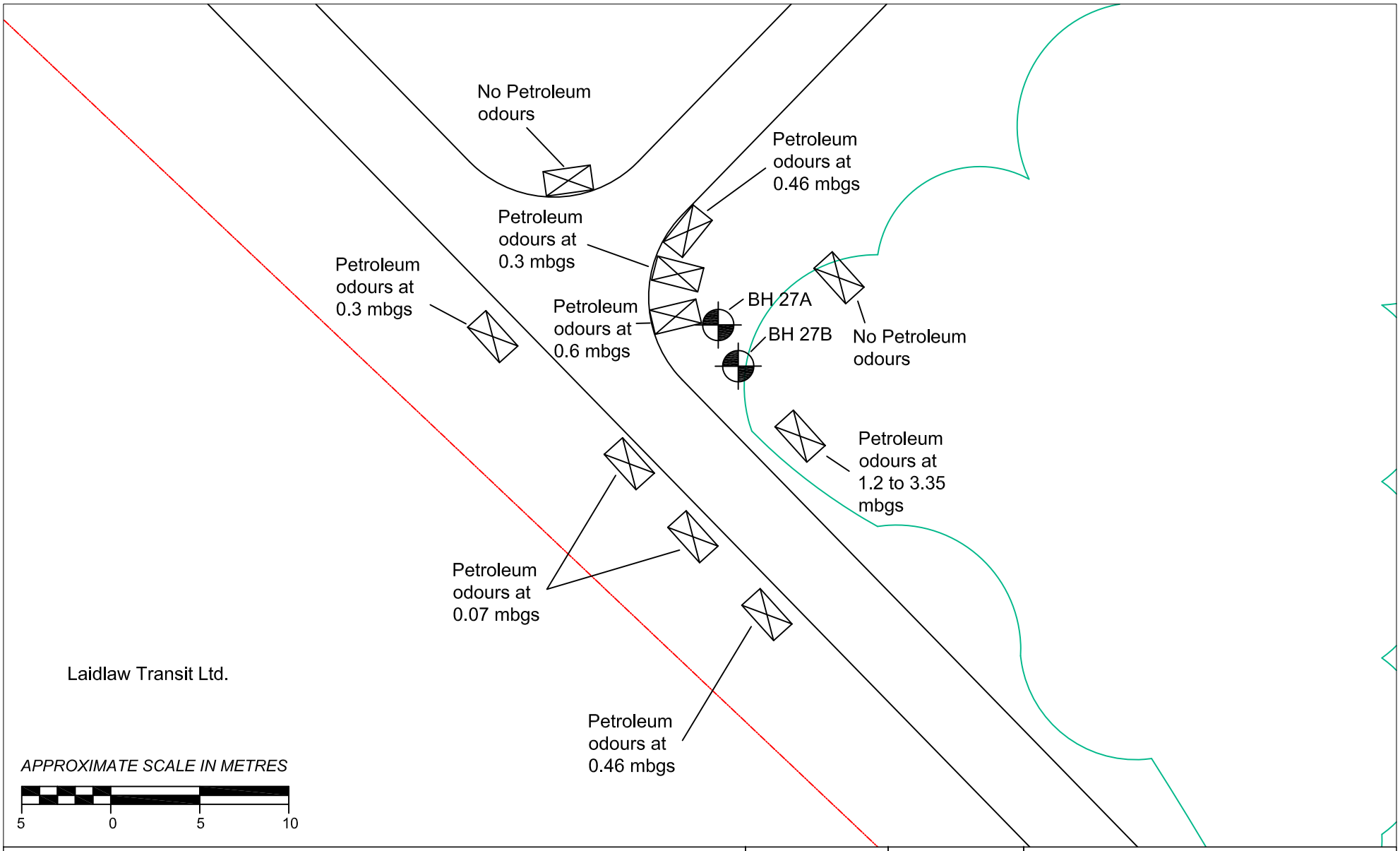
2007 PHASE TWO ESA BOREHOLE AND TEST PIT LOCATION PLAN

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DATE: 15 Jul 2015

FIGURE: 5A

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LEGEND

APPROXIMATE PHASE ONE PROPERTY BOUNDARY

BH BOREHOLE

TP TEST PIT

NOTES:

LOCATION OF FEATURES IS APPROXIMATE.

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Conditions encountered in the field may be different from the interpreted information presented on this figure.

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Revision N°: 01

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PHASE ONE ENVIRONMENTAL SITE ASSESSMENT
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2007 PHASE TWO ESA BOREHOLE AND TEST PIT LOCATION PLAN

PROJECT N°: TB141022

DATE: 15 Jul 2015

FIGURE: 5B

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APPENDIX A

PHASE ONE ESA
REFERENCE DOCUMENT

Phase One Environment Site Assessment
Reference Document

Asbestos

Asbestos refers to a group of naturally occurring fibrous mineral silicates that is known to have been used in over 3,000 products commonly referred to as asbestos-containing materials (ACM). Friable ACM can be readily crumbled using hand pressure, separating asbestos fibres from the associated binding materials and is commonly seen in boiler and pipe insulation and spray fireproofing. Non-friable ACM is associated with a binding agent that prevents the ready release of airborne fibres and is typically found in vinyl flooring, tars and sealants, drywall compound, plaster and pre-cast asbestos cement products commonly referred to as "Transite" (e.g., roof drains and transite panels). The handling, identification, documentation, and removal of asbestos are regulated by *Ontario Regulation278/05 Designated Substance – Asbestos On Construction Projects And In Buildings And Repair Operations*. The presence of ACMs can only be verified through multiple samples and analysis of suspect materials as outlined in *O.Reg. 278/05*. ACMs must be addressed through the implementation of an appropriate management and/or abatement program to protect the health of persons working at the Site, as required under the OHSA and *O.Reg. 278/05*. ACMs in poor or deteriorated condition may be addressed through repair, encapsulation, enclosure or removal.

Hydraulic Equipment

Mechanical equipment including piston type elevators, vehicle hoists, loading dock lifts, and compactors comprise typical hydraulically operated devices. Such equipment contains hydraulic oils which are operated under high pressures and can be released into the environment as a result of leaks or equipment failure.

Lead

Lead is a heavy metal typically found in metallic lead (used to make water distribution pipes, electrical batteries, lead solder, and electric cable sheathes); inorganic compounds (components of products such as insecticides, pigments, paints, and glass); and organic lead compounds (the most commonly known of which are tetramethyl lead and tetraethyl lead, used as antiknock additives in gasoline).

The presence of lead-containing paints (LCPs) in buildings represents a potential hazard where persons, notably small children, may ingest peeling or flaking LCPs. The generation of airborne lead containing dust created during renovation, demolition, or construction activities (i.e., during sanding and grinding), or like actions also comprises a potential health concern. The MOL issued the "*Lead on Construction Projects*" guideline in September 2004. The guideline includes legal requirements, health effects, control of the health hazard, classification of construction operations, and measures and procedures for working with the designated substance during operations that create lead dust or fumes.

The United States Department of Housing and Urban Development (the U.S. HUD) guideline of 1 milligram per square centimetre (mg/cm^2), 0.5 percent lead by weight, or 5,000 parts per million (ppm) lead is used in the United States as a guideline for determining whether the use of safety precautions would be required during operations that create lead dust or fumes.

In 1976, the Canadian Federal Government introduced the Liquid Coating Materials Regulations under the Federal Hazardous Products Act (HPA), restricting the maximum total lead content of paints and other liquid coating materials used in or around premises attended by children or pregnant women to 0.5% by weight (5,000 mg/kg). In January 1991, Health Canada negotiated a voluntary reduction of lead content in all Canadian produced consumer paint to a maximum of 0.06%. Recently the Canadian Federal Government revoked Part 1 of the HPA and enacted the Surface Coating Materials Regulations (SOR/2005-109) under the Canada Consumers Product Safety Act (S.C. 2010) which reduce the maximum total lead content of any new surface coatings for consumer products to 0.009% (90 mg/kg). This reduction does not generally apply to surface coating applied to buildings or other structures used for agricultural or industrial purposes or as an anti-weathering or anti-corrosive coating.

The OHSA does not set a regulatory limit on the concentration of lead in paint and based on discussions with the MOL, any concentration of lead in paint applications should be considered to be lead-containing. The presence of LCPs can only be verified through sampling and analysis of

suspect paint samples or by using a handheld XRF. If present, LCPs may be addressed through the implementation of an appropriate management or abatement plan to protect the health of workers. Where LCPs are in poor condition (i.e., peeling or flaking) they may be addressed through removal. Appropriate management plans are also required where maintenance, alteration, renovation, or demolition activities may disturb these materials.

Methane

Methane is a colourless and odourless gas commonly formed by the decomposition of organic material, and is a large component of natural gas associated with waste disposal sites. Natural sources of methane include marshes, swamps, bogs, fens or coal and/or peat deposits. Potential methane risks include explosion hazards where methane enters closed spaces and concentrations exceed the lower explosive limit.

Mercury

Mercury can be used in fluorescent, compact fluorescent and high intensity discharge (HID) lamps, electrical switches, thermostats, thermometers, and certain batteries. All fluorescent and compact fluorescent lights contain mercury regardless of the date of manufacture. The Canadian Council of Ministers of the Environment (CCME) "Canada-Wide Standard for Mercury-Containing Lamps" (2001) is largely geared towards reducing the amount of mercury in lamps at the manufacturing stage; however, they do recommend that the release of mercury can be minimized through the proper recycling and disposal of mercury-containing lamps. Mercury was also added to some leaded paints as a fungal retardant. In January 1991, under the voluntary industry program negotiated by Health Canada, the intentional addition of mercury to Canadian produced consumer paints for interior use ceased. Under the Federal Surface Coating Materials Regulations (SOR/2005-109), the maximum total mercury concentration of paints and other surface coatings is restricted to 10 mg/kg (0.001%) when a dried sample is tested in accordance with a method that conforms to good laboratory practices. The 10 mg/kg mercury restriction is unique to Canada and is based on a toxicological assessment by Health Canada in 1995, which was reconfirmed in 2004.

Mould

Mould spores are ubiquitous in both indoor and outdoor environments and in the presence of adequate moisture, may pose a concern in a building environment. There are currently no regulations specifically covering exposure to mould and/or mould remediation practices in Canada and there are no occupational exposure limits that define acceptable levels of mould exposure without adverse health effects. However, Section 25 and 27 of the OHSA states that an employer and supervisor must take every reasonable precaution to ensure the health and safety of their workers. This includes exposure to moulds and other biological matter. Direction on the assessment and remediation of mould in Ontario is based on the *"Mould Guidelines for the Canadian Construction Industry"* Canadian Construction Association (document CCA82). February 2004, and the *"Mould Abatement Guidelines, Second Edition."* Environmental Abatement Council of Ontario (EACO). 2010.

Ozone depleting substances

Ozone depleting substances (ODSs) include any substances containing chlorofluorocarbon (CFC), hydrochlorofluorocarbon (HCFC), halon or any other material capable of destroying ozone in the atmosphere. ODSs have been used in rigid polyurethane foam and insulation, laminates, aerosols, air conditioners, fire extinguishers, cleaning solvents and the sterilization of medical equipment. Federal regulations introduced in 1995 required the elimination of production and import of CFCs by January 1, 1996 (subject to certain essential uses) and a freeze on the production and import of HCFC-22 by January 1, 1996. These regulations also require the complete elimination of HCFC-22 by the year 2020. ODSs and other halocarbons are regulated by Ontario Regulation 463/10 made under the Environmental Protection Act (EPA).

Polychlorinated Biphenyls

PCB-containing products (e.g., oil in light ballasts and liquid-filled transformers) were manufactured for use in applications where stable, fire-resistant, and heat-transfer properties were demanded between 1926-29 and 1977. Most PCBs were sold for use as dielectric fluids (insulating liquids) in electric transformers and capacitors. Other uses included heat transfer fluid, hydraulic fluid, dye carriers in carbonless copy paper, plasticizers in paints, adhesives, and caulking compounds.

In Canada, PCBs were prohibited from being used in products, equipment, machinery, electrical transformers and capacitors that were manufactured or imported into the country after July 1980.

However, older equipment in use after this date may still contain PCBs if the equipment's fluid has not been changed, or if there was sufficient inventory of such equipment.

PCB-containing lamp ballasts in good condition and still in service do not require removal or replacement. Leaking ballasts should be verified for PCB content, and if found to be PCB containing, managed in accordance with MOE regulations regarding PCB wastes. According to Environmental Canada's *Handbook on PCBs in Electrical Equipment*, "any substance that contains 50 ppm or greater is considered to be contaminated and must be treated as a PCB-containing substance." Where maintenance alteration, renovation, or demolition activities undertaken at a Site may result in the generation of more than 1.0 kg of PCB waste, it will be necessary to establish a secure licensed PCB storage facility at the Site or dispose of the wastes at an approved PCB disposal or destruction facility. PCB wastes totaling less than 1.0 kg may be disposed as non-hazardous waste at any licensed waste disposal site.

Radioactive Materials

The Canadian Nuclear Safety Commission (CNSC) is responsible for the management and licensing of radioactive materials, to ensure that the use of nuclear energy and materials do not pose undue risk to health, safety, security and the environment. Industrial equipment such as X-ray imagers, metal detection devices and measuring devices may contain radioactive materials and may be a hazard if used or stored improperly.

Radon

Radon is a naturally occurring gas produced by the decay of Uranium-238 that tends to concentrate in formations of granite, sandstone, coal, phosphate and uranium deposits. Radon is colourless, odourless and tasteless and tends to percolate up through soil where it may enter and accumulate in basements of buildings through foundation cracks and joints. Because the existence of radon is dependent upon geological factors, it is more of a regional concern than site-specific.

In June 2007, following a review of the 1988 federal radon guidelines, Health Canada announced a new (non-regulatory) guideline for acceptable levels of radon in indoor air in a residential setting: *"remedial measures should be undertaken in a dwelling whenever the average annual radon concentration exceeds 200 Becquerels per cubic metre (200 Bq/m³) in the normal occupancy area. The higher the radon concentration, the sooner remedial measures should be undertaken. When remedial action is taken, the radon levels should be reduced to a value as low as practicable. The construction of new dwellings should employ techniques that will minimize radon entry and will facilitate post-construction radon removal, should this subsequently prove necessary*."

Health Canada and the Federal Provincial Territorial Radiation Protection Committee (FPTRPC) worked collaboratively to form the new radon guideline, and since 2004 have also worked to develop a program of implementation for the guideline, under the National Radon Program. Several research projects have been ongoing to test radon across the country, and develop a radon potential mapping methodology, which will help to target more research and education efforts. The two year *Cross-Canada Survey of Radon Concentrations in Homes, Final Report* (11) estimated that the percentage of Canadian homes with radon levels above the 200 Bq/m³ guideline is 6.9%. The estimate for Ontario of homes exceeding the guideline was less, at 4.6%. Further studies are ongoing to determine any correlations between radon levels and home characteristics, as well as regional potential mapping. The study's conclusions found that no areas of the country are 'radon free', and also emphasized that the results should not be used to determine risk potential, as the only way to know if a building has elevated radon is to test for it.

Silica

Silica (SiO_2) is the name of a group of minerals that are used in the manufacture of glass, ceramics, abrasives, water treatment products, cosmetics, insecticides, paint, and foods, as well as a drying agent or preservative. Crystalline silica materials also are used in the production of concrete or mortar-based building materials, cement, acoustic ceiling tiles, and ceramic tiles which are used for construction purposes. Common construction sand contains free crystalline silica and is present in ceiling tiles, concrete products, mortar, and brick. Dusts containing more than 1% crystalline free silica by weight are considered to pose a potential exposure hazard. *O.Reg 490/09* specifies the occupational exposure limit for respirable crystalline silica is 0.05 milligrams per cubic metre (mg/m^3) of air by volume as a 40-hour weekly time-weighted average for cristobalite and tridymite. In the case of quartz and tripoli, the occupational exposure limit is 0.10 mg/m^3 of air by volume. The MOL issued the "Silica on Construction Projects" guideline in September 2004. The guidelines include

legal requirements, health effects, control of the health hazard, classification of construction operations, and measures and procedures for working with the designated substance during operations that create silica dust.

UFFI

Urea formaldehyde foam insulation (UFFI) is a thermal insulation material that is pumped into interstitial spaces between the walls of buildings where it hardens to form a solid layer of insulation. The sale and installation of UFFI was banned for health-related reasons because of the formation of formaldehyde gas, which is released from the UFFI to the building interior. The spray application of UFFI was reportedly used between 1977 and its ban in Canada in 1980. UFFI was banned due to developing concerns of the release of toxic formaldehyde vapor emitted in the curing process and from the breakdown of old insulation due to water or moisture damage. Health Canada has reportedly determined that 0.1 parts per million (ppm) is a safe level of formaldehyde in a residential building. Sensitivity to this concentration may vary based on individual age and health.

APPENDIX B

LEGAL SURVEY

I REQUIRE THIS PLANTO BE DEPOSITED UNDER THE LAND TITLES ACT.

DATE _____

_____
S. J. BALABAN
ONTARIO LAND SURVEYOR

PLAN 20R-

RECEIVED AND DEPOSITED

DATE _____

_____
LAND REGISTRAR FOR THE LAND TITLES DIVISIONOF HALTON (No 20)

SCHEDULE

PART	PART OF LOT	CONCESSION	ALL OF PIN
1	2	I NORTH OF DUNDAS STREET	07201-0061(LT)
2			
3			
4			
5	1		07201-0082 (LT)
6			07201-0093 (LT)
7			07201-0073 (LT)

PART 2 - SUBJECT TO EASEMENT AS SET OUT IN INSTRUMENT No 593807

PART 2 PLAN EX-147
PIN 07201-0025 (LT)

PART 2, 20R-4656

PART 3 PLAN EX-147

PART 4 EX. PLAN 147

PART 10 20R-11257

PART 31 20R-11257
PIN 07201-0071 (LT)

PART 23, 20R-11257
PIN 07201-0071 (LT)

PART 25 20R-11257
PIN 07201-0084 (LT)

PART 29, 20R-11257
OCCUPIED AREA

PART 30, 20R-11257
OCCUPIED AREA

PART 24 20R-11257

PIN 07201-0022 (LT)

PIN 07201-0093 (LT)

PART I

PIN 07201-0061 (LT)

PART 6, PLAN 20R-4540
PIN0720I-0059 (LT)

PART 26 20R-11257
PIN 07201-0071(LT)

PART 27 20R-11257
PIN0720I-0083 (LT)

PIN0720I-0072 (LT)

PART 2 20R-9410

PART 7
PART I, 20R-9410
PIN0720I-0073 (LT)

PART 2
PART 5, 20R-4540
SUBJECT TO EASEMENT AS IN INST. No. 593807

PART 3

PART 4

PART I PLAN EX. 433

PART I, EX. PLAN 434

PART 8, PLAN 20R-4540

PART 6

PART 6 PLAN 20R-4540
PIN0720I-0059 (LT)

PART I 20R-1899 (REMAINDER)
PIN0720I-0058 (LT)

PART 4

PART 5
PIN0720I-0082 (LT)

PART I, PLAN EX. 433

PART I EX. PLAN 436

PT I EX. PLAN 435

PT I EX. PLAN 436

PART I EX. PLAN 434

PART 2 PLAN EX. 436 MISC

DEPOSITED PLAN 340 (P-1555-I)

PIN 07201-0079 (LT)

PIN 07201-0092 (LT)

PART I PLAN 20R-1383

EX. PLAN 445 MISC

EX. 436 MISC

DEPOSITED PLAN 340

PART 1 EX. PLAN 435

PART 2 20R-4448

LIMIT BETWEEN LOTS 1 AND 2

APPROXIMATE LIMIT BETWEEN NORTHWEST & SOUTHEAST HALVES LOT 1

CONCESSION I

NORTH OF DUNDAS STREET

LOT 1

LOT 2

TREMAINE ROAD ORIGINAL TOWNSHIP ROAD ALLOWANCE BETWEENTOWNSHIPS OF NELSONAND TRAFALGAR

ROAD ALLOWANCE BETWEEN CONCESSION I SOUTH OF DUNDAS STREET & CONCESSION I NORTH OF DUNDAS STREET

KNOWN AS DUNDAS STREET
(REGIONAL ROAD NO. 5)
FORMERLY THE KING'S HIGHWAY NO. 5
PIN 07201-0085 (LT)

MOST EASTERN ANGLE OF LOT 2, CONCESSION I NDS

MOST EASTERN ANGLE OF LOT I, CONCESSION I NDS

SEE DETAIL A

SEE DETAIL B

SEE DETAIL C

DETAIL A
NOT TO SCALE

DETAIL B
NOT TO SCALE

DETAIL C
NOT TO SCALE

PLAN OF SURVEY OF
PART OF LOTS 1 AND 2 CONCESSION 1 NORTH OF DUNDAS STREET
(GEOGRAPHIC TOWNSHIP OF NELSON)
NOW IN THE
CITY OF BURLINGTON
REGIONAL MUNICIPALITY OF HALTON

SCALE 1:2000

50 0 50 100 150 metres

J. D. BARNES LIMITED

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

NOTES

BEARINGS HEREON ARE GRID BEARINGS AND ARE DERIVED FROM
MTO STATION 00819818103 E 597795.704
N 4 808237.816
BURLINGTON STATION 043890351 E 597276.313
N 4 807632.375
AND ARE REFERRED TO THE CENTRAL MERIDIAN 81° WEST LONGITUDE, ZONE 17, NAD 83.

■	DENOTES	SURVEY MONUMENT FOUND
□	DENOTES	SURVEY MONUMENT SET
SIB	DENOTES	STANDARD IRONBAR
IB	DENOTES	IRONBAR
WIT	DENOTES	WITNESS
Meas	DENOTES	MEASURED
NDS	DENOTES	NORTH OF DUNDAS STREET
950	DENOTES	F. G. CUNNINGHAM OLS
MGS	DENOTES	MINISTRY OF GOVERNMENT SERVICES
P1	DENOTES	PLAN OF SURVEY BY CUNNINGHAM-McCONNEL LIMITED DATED NOV. 2, 2006
P2	DENOTES	PLAN20R-4540
P3	DENOTES	PLAN 20R-13813
P4	DENOTES	PLAN 20R-11257
P5	DENOTES	PLAN 20R-9410
P6	DENOTES	PLAN 20R-4540
P7	DENOTES	EXPROPRIATION PLAN 436
P8	DENOTES	PLAN 20R-1899

SURVEYOR'S CERTIFICATE

I CERTIFY THAT:

1. THIS SURVEY AND PLANARE CORRECT AND INACCORDANCE WITH THE SURVEYS ACT, THE SURVEYORS ACT AND THE LAND TITLES ACT AND THE REGULATIONS MADE UNDER THEM.
2. THE SURVEY WAS COMPLETED ON THE 19th DAY OF NOVEMBER, 2007.

DATE _____

_____
S. J. BALABAN
ONTARIO LAND SURVEYOR

J.D.BARNES LIMITED
SURVEYING PLANNING MAPPING GIS
LAND INFORMATION SPECIALISTS
401 WHEELABRATOR WAY, SUITE A MILTON, ONL9T 3C1
T: (905) 875-9955 F: (905) 875-9956 www.jdbarnes.com

DRAWNBY:	CHECKED BY:	REFERENCE NO.:
RPA		07-30-555-02
FILE: g:\2007\73055502\73055502.dgn		DATED: November 20, 2007
		PLOTTED: 10 JAN 2008

APPENDIX C

ECOLOG ERIS AND OPTA REPORTS

ENVIRONMENTAL RISK INFORMATION SERVICE

DATABASE REPORT

Project Property:	*Un-named* *3232 Tremaine Rd, 5421 - 5463 Dundas St* *Burlington ON*
P.O. Number	
Report Type:	*RSC Report (Urban)*
Order #:	*20140912055*
Requested by:	*AMEC Environment & Infrastructure*
Date:	*September 24, 2014*

Ecolog ERIS Ltd.
Environmental Risk Information Service Ltd. (ERIS)
A division of Glacier Media Inc.
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www.erisinfo.com

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Executive Summary

Property Information:

Project Property:	*Un-named* *3232 Tremaine Rd, 5421 - 5463 Dundas St Burlington ON*
P.O. Number:	

Order Information:

Order No.:	*20140912055*
Date Requested:	*26/09/2014*
Requested by:	*AMEC Environment & Infrastructure*
Report Type:	*RSC Report (Urban)*

Additional Products:

Insurance Products	*Inspection Reports*
Insurance Products	*Fire Insurance Plans*
Insurance Products	*Site Specific Plans*
Topographic Map	*Ontario Base Map (OBM)*

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Boundary to 0.30km	Total
AAGR	Abandoned Aggregate Inventory	Y	0	0	0
AGR	Aggregate Inventory	Y	0	0	0
AMIS	Abandoned Mine Information System	Y	0	0	0
ANDR	Anderson's Waste Disposal Sites	Y	0	0	0
AUWR	Automobile Wrecking & Supplies	Y	0	0	0
BORE	Borehole	Y	0	9	9
CA	Certificates of Approval	Y	0	0	0
CFOT	Commercial Fuel Oil Tanks	Y	0	0	0
CHEM	Chemical Register	Y	0	0	0
COAL	Inventory of Coal Gasification Plants and Coal Tar Sites	Y	0	0	0
CONV	Compliance and Convictions	Y	0	0	0
CPU	Certificates of Property Use	Y	0	0	0
DRL	Drill Hole Database	Y	0	0	0
EASR	Environmental Activity and Sector Registry	Y	0	0	0
EBR	Environmental Registry	Y	0	0	0
ECA	Environmental Compliance Approval	Y	0	0	0
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	1	2	3
EIIS	Environmental Issues Inventory System	Y	0	0	0
EXP	List of TSSA Expired Facilities	Y	0	0	0
FCON	Federal Convictions	Y	0	0	0
FCS	Contaminated Sites on Federal Land	Y	0	0	0
FOFT	Fisheries & Oceans Fuel Tanks	Y	0	0	0
FST	Fuel Storage Tank	Y	0	3	3
FSTH	Fuel Storage Tank - Historic	Y	0	2	2
GEN	Ontario Regulation 347 Waste Generators Summary	Y	1	12	13
HINC	TSSA Historic Incidents	Y	0	0	0
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0
INC	TSSA Incidents	Y	0	0	0
LIMO	Landfill Inventory Management Ontario	Y	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0
NCPL	Non-Compliance Reports	Y	0	0	0
NDFT	National Defence & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defence & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0

Database	Name	Searched	Project Property	Boundary to 0.30km	Total
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	0	0
NPRI	National Pollutant Release Inventory	Y	0	0	0
OGW	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	0	0
PINC	TSSA Pipeline Incidents	Y	0	0	0
PRT	Private and Retail Fuel Storage Tanks	Y	0	1	1
PTTW	Permit to Take Water	Y	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	0	0
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	0	0
SPL	Ontario Spills	Y	0	0	0
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	TSSA Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	11	15	26
	Total:		13	44	57

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Dir/Dist m	Elev diff m	Page Number
1	EHS		5421, 5453 & 5463 Dundas St, 3232 Tremaine Rd Burlington ON	-/0.0	154.92	15
2	WWIS		lot 1 con 1 OAKVILLE ON	-/0.0	154.41	15
5	WWIS		lot 1 con 1 ON	-/0.0	161.34	15
5	WWIS		lot 1 con 1 ON	-/0.0	161.34	16
9	WWIS		lot 1 con 1 OAKVILLE ON	-/0.0	164.95	16
10	WWIS		lot 1 con 1 OAKVILLE ON	-/0.0	165.17	17
14	WWIS		lot 2 con 1 ON	-/0.0	151.84	17
16	WWIS		lot 1 con 1 ON	-/0.0	151.84	18
17	WWIS		lot 2 con 1 ON	-/0.0	151.84	18
18	WWIS		lot 1 con 1 OAKVILLE ON	-/0.0	151.84	19
20	GEN	Argo Development Corporation	5463 Dundas Street Burlington ON L7R 3X4	-/0.0	151.84	19
21	WWIS		lot 1 con 1 OAKVILLE ON	-/0.0	151.84	19
28	WWIS		Burlington ON	-/0.0	151.84	20

Executive Summary: Site Report Summary - Surrounding *Properties*

Map Key	DB	Company/Site Name	Address	Dir/Dist m	Elev diff m	Page Number
3	WWIS		Milton ON	N/18.0	156.53	20
4	WWIS		lot 35 con 1 ON	NNE/37.4	156.06	21
6	WWIS		lot 1 con 1 ON	N/13.5	158.27	21
7	WWIS		lot 1 con 1 ON	N/29.9	158.56	22
8	WWIS		Oakville ON	NE/211.1	152.84	22
11	WWIS		Oakville ON	N/189.2	156.61	23
12	WWIS		BURLINGTON ON	WNW/29.4	166.86	23
13	WWIS		lot 2 con 1 ON	SSE/15.2	151.84	24
15	FST	FIRSTCANADA ULC	5401 DUNDAS ST BURLINGTON ON L7R 3X4	SSE/67.3	151.84	24
15	FST	FIRSTCANADA ULC	5401 DUNDAS ST BURLINGTON ON L7R 3X4	SSE/67.3	151.84	24
15	FST	FIRSTCANADA ULC	5401 DUNDAS ST BURLINGTON ON L7R 3X4	SSE/67.3	151.84	25
15	FSTH	LAIDLAW TRANSIT LTD ATTN BOB DAWSON	5401 DUNDAS ST BURLINGTON ON L7R 3X4	SSE/67.3	151.84	25
15	FSTH	LAIDLAW TRANSIT LTD ATTN BOB DAWSON	5401 DUNDAS ST BURLINGTON ON L7R 3X4	SSE/67.3	151.84	25
15	GEN	FirstCanada ULC	5401 DUNDAS STREET BURLINGTON ON L7R 3X4	SSE/67.3	151.84	25
15	GEN	FirstCanada ULC	5401 DUNDAS STREET BURLINGTON ON L7R 3X4	SSE/67.3	151.84	26
15	GEN	LAIDLAW TRANSIT LTD.	5401 DUNDAS STREET, BURLINGTON C/O 30 HERITAGE ROAD MARKHAM ON L7R 3X4	SSE/67.3	151.84	26

Map Key	DB	Company/Site Name	Address	Dir/Dist m	Elev diff m	Page Number
15	GEN	LAIDLAW TRANSIT LTD. 38-039	5401 DUNDAS STREET BURLINGTON ON L7R 3X4	SSE/67.3	151.84	27
15	GEN	FirstCanada ULC	5401 DUNDAS STREET BURLINGTON ON L7R 3X4	SSE/67.3	151.84	27
15	GEN	FirstCanada ULC	5401 DUNDAS STREET BURLINGTON ON L7R 3X4	SSE/67.3	151.84	27
15	GEN	LAIDLAW TRANSIT LTD	5401 DUNDAS STREET BURLINGTON ON L7R 3X4	SSE/67.3	151.84	28
15	GEN	TRAVELWAYS SCHOOL TRANSIT LTD	5401 DUNDAS STREET BURLINGTON ON L7R 3X4	SSE/67.3	151.84	28
15	GEN	LAIDLAW TRANSIT LTD. 38-039	5401 DUNDAS STREET, BURLINGTON C/O 30 HERITAGE ROAD MARKHAM ON L7R 3X4	SSE/67.3	151.84	29
15	GEN	FirstCanada ULC	5401 DUNDAS STREET BURLINGTON ON L7R 3X4	SSE/67.3	151.84	29
15	GEN	LAIDLAW TRANSIT LTD.	5401 DUNDAS STREET BURLINGTON ON L7R 3X4	SSE/67.3	151.84	29
15	GEN	FirstCanada ULC	5401 DUNDAS STREET BURLINGTON ON L7R 3X4	SSE/67.3	151.84	30
15	PRT	LAIDLAW TRANSIT LTD	5401 DUNDAS ST BURLINGTON ON L7R 3X4	SSE/67.3	151.84	30
19	BORE		ON	NNW/14.1	161.73	30
22	BORE		ON	NNW/3.5	162.29	31
23	WWIS		lot 2 con 1 ON	SSE/93.1	151.84	31
24	WWIS		lot 1 con 1 ON	SE/0.7	151.84	32
25	EHS		Parcel 12 Oakville, Burlington ON	WNW/113.1	166.06	33
26	BORE		ON	NNW/14.2	162.22	33
27	WWIS		lot 1 con 1 ON	ESE/10.8	151.84	33
29	BORE		ON	NNW/32.1	162.52	34
30	WWIS		lot 2 con 1 ON	SSE/143.7	151.54	34

Map Key	DB	Company/Site Name	Address	Dir/Dist m	Elev diff m	Page Number
31	WWIS		lot 1 con 1 ON	SE/42.9	151.84	35
32	BORE		ON	NNW/64.5	162.98	35
33	BORE		ON	NNW/69.6	162.94	36
34	BORE		ON	NNW/99.0	163.32	36
35	BORE		ON	W/228.4	160.19	37
36	EHS		3445 Dundas Street West Oakville ON L6M 4J4	ESE/149.2	151.84	37
37	WWIS		Burlington ON	E/216.3	151.84	38
38	BORE		ON	W/277.1	158.80	38
39	WWIS		lot 2 con 1 ON	SSE/296.2	144.21	38

Executive Summary: Summary By Data Source

BORE - Borehole

A search of the BORE database, dated 1875-Aug 2011 has found that there are 9 BORE site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance m	Map Key
	ON	14.1	19
	ON	3.5	22
	ON	14.2	26
	ON	32.1	29
	ON	64.5	32
	ON	69.6	33
	ON	99.0	34
	ON	228.4	35
	ON	277.1	38

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Mar 2013 has found that there are 3 EHS site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance m	Map Key
	5421, 5453 & 5463 Dundas St, 3232 Tremaine Rd Burlington ON	0.0	1
	Parcel 12 Oakville, Burlington ON	113.1	25
	3445 Dundas Street West Oakville ON L6M 4J4	149.2	36

FST - Fuel Storage Tank

A search of the FST database, dated 2010-May 2013 has found that there are 3 FST site(s) within

approximately 0.30 kilometers of the project property.

Site	Address	Distance m	Map Key
FIRSTCANADA ULC	5401 DUNDAS ST BURLINGTON ON L7R 3X4	67.3	15
FIRSTCANADA ULC	5401 DUNDAS ST BURLINGTON ON L7R 3X4	67.3	15
FIRSTCANADA ULC	5401 DUNDAS ST BURLINGTON ON L7R 3X4	67.3	15

FSTH - Fuel Storage Tank - Historic

A search of the FSTH database, dated Pre-Jan 2010* has found that there are 2 FSTH site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance m	Map Key
LAIDLAW TRANSIT LTD ATTN BOB DAWSON	5401 DUNDAS ST BURLINGTON ON L7R 3X4	67.3	15
LAIDLAW TRANSIT LTD ATTN BOB DAWSON	5401 DUNDAS ST BURLINGTON ON L7R 3X4	67.3	15

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Apr 2014 has found that there are 13 GEN site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance m	Map Key
FirstCanada ULC	5401 DUNDAS STREET BURLINGTON ON L7R 3X4	67.3	15
FirstCanada ULC	5401 DUNDAS STREET BURLINGTON ON L7R 3X4	67.3	15
LAIDLAW TRANSIT LTD.	5401 DUNDAS STREET, BURLINGTON C/O 30 HERITAGE ROAD MARKHAM ON L7R 3X4	67.3	15
LAIDLAW TRANSIT LTD. 38-039	5401 DUNDAS STREET BURLINGTON ON L7R 3X4	67.3	15
FirstCanada ULC	5401 DUNDAS STREET BURLINGTON ON L7R 3X4	67.3	15
FirstCanada ULC	5401 DUNDAS STREET BURLINGTON ON L7R 3X4	67.3	15
FirstCanada ULC	5401 DUNDAS STREET BURLINGTON ON L7R 3X4	67.3	15
FirstCanada ULC	5401 DUNDAS STREET BURLINGTON ON L7R 3X4	67.3	15
LAIDLAW TRANSIT LTD	5401 DUNDAS STREET BURLINGTON ON L7R 3X4	67.3	15
TRAVELWAYS SCHOOL TRANSIT LTD	5401 DUNDAS STREET BURLINGTON ON L7R 3X4	67.3	15

Site	Address	Distance m	Map Key
LAIDLAW TRANSIT LTD. 38-039	5401 DUNDAS STREET, BURLINGTON C/O 30 HERITAGE ROAD MARKHAM ON L7R 3X4	67.3	15
LAIDLAW TRANSIT LTD.	5401 DUNDAS STREET BURLINGTON ON L7R 3X4	67.3	15
Argo Development Corporation	5463 Dundas Street Burlington ON L7R 3X4	0.0	20

PRT - Private and Retail Fuel Storage Tanks

A search of the PRT database, dated 1989-1996* has found that there are 1 PRT site(s) within approximately 0.30 kilometers of the project property.

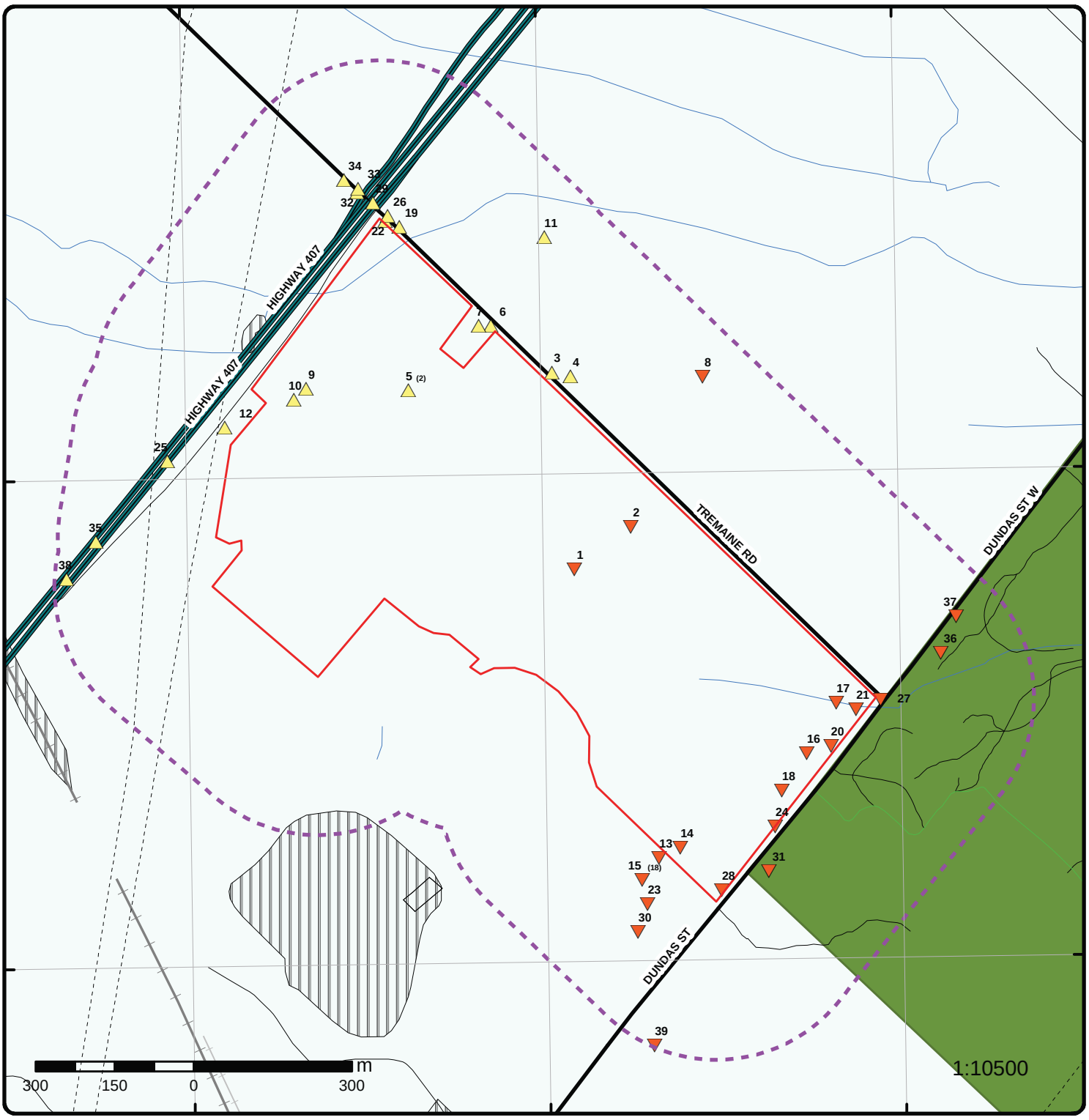
Site	Address	Distance m	Map Key
LAIDLAW TRANSIT LTD	5401 DUNDAS ST BURLINGTON ON L7R 3X4	67.3	15

WWIS - Water Well Information System

A search of the WWIS database, dated 1955-Mar 2014 has found that there are 26 WWIS site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance m	Map Key
	lot 1 con 1 OAKVILLE ON	0.0	2
	Milton ON	18.0	3
	lot 35 con 1 ON	37.4	4
	lot 1 con 1 ON	0.0	5
	lot 1 con 1 ON	0.0	5
	lot 1 con 1 ON	13.5	6
	lot 1 con 1 ON	29.9	7
	Oakville ON	211.1	8
	lot 1 con 1 OAKVILLE ON	0.0	9
	lot 1 con 1 OAKVILLE ON	0.0	10
	Oakville ON	189.2	11
	BURLINGTON ON	29.4	12

Site	Address	Distance m	Map Key
	lot 2 con 1 ON	15.2	13
	lot 2 con 1 ON	0.0	14
	lot 1 con 1 ON	0.0	16
	lot 2 con 1 ON	0.0	17
	lot 1 con 1 OAKVILLE ON	0.0	18
	lot 1 con 1 OAKVILLE ON	0.0	21
	lot 2 con 1 ON	93.1	23
	lot 1 con 1 ON	0.7	24
	lot 1 con 1 ON	10.8	27
	Burlington ON	0.0	28
	lot 2 con 1 ON	143.7	30
	lot 1 con 1 ON	42.9	31
	Burlington ON	216.3	37
	lot 2 con 1 ON	296.2	39



Map

Order No: 20140912055

Address: 3232 Tremaine Rd, 5421 - 5463 Dundas St, Burlington, ON

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

Source: © 2014 DMTI Spatial Inc.



Aerial

Order No: 20140912055

Address: 3232 Tremaine Rd, 5421 - 5463 Dundas St, Burlington, ON

Source: ESRI World Imagery, Updated December 2012

© Ecolog ERIS Ltd

Detail Report

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
1	1 of 1	-/0.0	154.9	5421, 5453 & 5463 Dundas St, 3232 Tremaine Rd Burlington ON	EHS

Order No.: 20070423026
Report Date: 5/2/2007
Report Type: CAN - Custom Report
Search Radius (km): 0.25
Addit. Info Ordered: Fire Insur. Maps And /or Site Plans; City Directory; Unplotted Water Wells

---

2 — **1 of 1** — **-/0.0** — **154.4** — **lot 1 con 1 OAKVILLE ON** — **WWIS**

Well ID:	7052678	*Lot:*	001
Concession:	01	*Concession Name:*	
County:	HALTON	*Municipality:*	BURLINGTON CITY
Easting Nad83:	597300	*Northing Nad83:*	4808611
Zone:	17	*Utm Reliability:*	margin of error : 10 - 30 m
Primary Water Use:	Not Used	*Construction Date:*	11-OCT-07
Sec. Water Use:		*Well Depth:*	9.14 m
Pump Rate:		*Static Water Level:*	2.74 m
Flow Rate:		*Clear/Cloudy:*	
Specific Capacity:		*Final Well Status:*	Abandoned-Other
Construction Method:		*Flowing (y/n):*	
Elevation (m):	159.99	*Elevation Reliability:*	
Depth to Bedrock:		*Overburden/Bedrock:*	
Water Type:		*Casing Material:*	

--- Details ---

Thickness:	BROWN	*Original Depth:*	8.83 m
Material Colour:	CLAY, SAND, FILL	*Material:*	8.83 m
+			
Thickness:		*Original Depth:*	9.14 m
Material Colour:		*Material:*	.31 m

---

5 — **1 of 2** — **-/0.0** — **161.3** — **lot 1 con 1 ON** — **WWIS**

Well ID:	2807311	*Lot:*	001
Concession:	01	*Concession Name:*	DS N
County:	HALTON	*Municipality:*	BURLINGTON CITY
Easting Nad83:	596878	*Northing Nad83:*	4808870
Zone:	17	*Utm Reliability:*	unknown UTM
Primary Water Use:	Domestic	*Construction Date:*	16-JUN-89
Sec. Water Use:		*Well Depth:*	35 ft
Pump Rate:	4 GPM	*Static Water Level:*	11 ft
Flow Rate:		*Clear/Cloudy:*	CLEAR
Specific Capacity:		*Final Well Status:*	Water Supply
Construction Method:	Boring	*Flowing (y/n):*	N
Elevation (m):	164.92	*Elevation Reliability:*	

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

Depth to Bedrock:	15	*Overburden/Bedrock:*	Bedrock
Water Type:	FRESH	*Casing Material:*	MINERIAL, SULPHUR
--- Details ---			
Thickness:	RED	*Original Depth:*	15 ft
Material Colour:	CLAY, STONES	*Material:*	10 ft
+			
Thickness:	RED	*Original Depth:*	35 ft
Material Colour:	SHALE, LIMESTONE, HARD	*Material:*	20 ft
+			
Thickness:	GREY	*Original Depth:*	5 ft
Material Colour:	CLAY, FINE SAND	*Material:*	5 ft

---

5 **2 of 2** **-/0.0** **161.3** **lot 1 con 1 ON** **WWIS**

Well ID:	2807312	*Lot:*	001
Concession:	01	*Concession Name:*	DS N
County:	HALTON	*Municipality:*	BURLINGTON CITY
Easting Nad83:	596878	*Northing Nad83:*	4808870
Zone:	17	*Utm Reliability:*	unknown UTM
Primary Water Use:	Domestic	*Construction Date:*	03-JUN-89
Sec. Water Use:		*Well Depth:*	52 ft
Pump Rate:	3 GPM	*Static Water Level:*	18 ft
Flow Rate:		*Clear/Cloudy:*	CLOUDY
Specific Capacity:		*Final Well Status:*	Water Supply
Construction Method:	Boring	*Flowing (y/n):*	N
Elevation (m):	164.92	*Elevation Reliability:*	
Depth to Bedrock:	3	*Overburden/Bedrock:*	Mixed in a Layer
Water Type:	FRESH	*Casing Material:*	MINERIAL, SULPHUR
--- Details ---			
Thickness:	BROWN	*Original Depth:*	3 ft
Material Colour:	TOPSOIL, FINE SAND	*Material:*	3 ft
+			
Thickness:	BROWN	*Original Depth:*	12 ft
Material Colour:	CLAY, ROCK, FINE SAND	*Material:*	9 ft
+			
Thickness:	GREY	*Original Depth:*	34 ft
Material Colour:	CLAY, STONES, HARD	*Material:*	22 ft
+			
Thickness:	RED	*Original Depth:*	38 ft
Material Colour:	CLAY, STONES, HARD	*Material:*	4 ft
+			
Thickness:	RED	*Original Depth:*	52 ft
Material Colour:	SHALE, LIMESTONE, HARD	*Material:*	9 ft
+			
Thickness:	RED	*Original Depth:*	43 ft
Material Colour:	SHALE, FINE SAND	*Material:*	5 ft

---

9 **1 of 1** **-/0.0** **164.9** **lot 1 con 1 OAKVILLE ON** **WWIS**

Well ID:	7052676	*Lot:*	001
Concession:	01	*Concession Name:*	
County:	HALTON	*Municipality:*	BURLINGTON CITY
Easting Nad83:	596684	*Northing Nad83:*	4808873
Zone:	17	*Utm Reliability:*	margin of error : 10 - 30 m
Primary Water Use:		*Construction Date:*	11-OCT-07

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

Sec. Water Use:				*Well Depth:*	3.04 m
Pump Rate:				*Static Water Level:*	
Flow Rate:				*Clear/Cloudy:*	
Specific Capacity:				*Final Well Status:*	
Construction Method:				*Flowing (y/n):*	
Elevation (m):	165.43			*Elevation Reliability:*	
Depth to Bedrock:				*Overburden/Bedrock:*	
Water Type:				*Casing Material:*	
--- Details ---					
Thickness:	BROWN			*Original Depth:*	3.04 m
Material Colour:	CLAY, SAND, FILL			*Material:*	3.04 m

10	***1 of 1***	***-/0.0***	***165.2***	***lot 1 con 1 OAKVILLE ON***	***WWIS***

Well ID:	7052677	*Lot:*	001
Concession:	01	*Concession Name:*	
County:	HALTON	*Municipality:*	BURLINGTON CITY
Easting Nad83:	596661	*Northing Nad83:*	4808852
Zone:	17	*Utm Reliability:*	margin of error : 10 - 30 m
Primary Water Use:	Not Used	*Construction Date:*	11-OCT-07
Sec. Water Use:		*Well Depth:*	m
Pump Rate:		*Static Water Level:*	
Flow Rate:		*Clear/Cloudy:*	
Specific Capacity:		*Final Well Status:*	Abandoned-Other
Construction Method:		*Flowing (y/n):*	
Elevation (m):	166.43	*Elevation Reliability:*	
Depth to Bedrock:		*Overburden/Bedrock:*	
Water Type:		*Casing Material:*	
--- Details ---			
Thickness:		*Original Depth:*	m
Material Colour:		*Material:*	m

14	***1 of 1***	***-/0.0***	***151.8***	***lot 2 con 1 ON***	***WWIS***

Well ID:	2804885	*Lot:*	002
Concession:	01	*Concession Name:*	DS N
County:	HALTON	*Municipality:*	BURLINGTON CITY
Easting Nad83:	597394.5	*Northing Nad83:*	4808003
Zone:	17	*Utm Reliability:*	margin of error : 30 m - 100 m
Primary Water Use:	Domestic	*Construction Date:*	14-MAY-76
Sec. Water Use:		*Well Depth:*	33 ft
Pump Rate:		*Static Water Level:*	10 ft
Flow Rate:		*Clear/Cloudy:*	
Specific Capacity:		*Final Well Status:*	Water Supply
Construction Method:	Boring	*Flowing (y/n):*	N
Elevation (m):	164.51	*Elevation Reliability:*	
Depth to Bedrock:		*Overburden/Bedrock:*	Overburden
Water Type:	FRESH	*Casing Material:*	SULPHUR
--- Details ---			
Thickness:	BROWN	*Original Depth:*	1 ft
Material Colour:	TOPSOIL	*Material:*	1 ft
+			
Thickness:	BROWN	*Original Depth:*	15 ft
Material Colour:	SAND	*Material:*	14 ft
+			

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

Thickness:	BROWN	*Original Depth:*	23 ft	
Material Colour:	COARSE GRAVEL, COARSE SAND	*Material:*	8 ft	
+				
Thickness:	BROWN	*Original Depth:*	33 ft	
Material Colour:	SAND, PACKED	*Material:*	10 ft	

16 **1 of 1** **-/0.0** **151.8** **lot 1 con 1 ON** **WWIS**

Well ID:	2800012	*Lot:*	001
Concession:	01	*Concession Name:*	DS N
County:	HALTON	*Municipality:*	BURLINGTON CITY
Easting Nad83:	597634.5	*Northing Nad83:*	4808182
Zone:	17	*Utm Reliability:*	unknown UTM
Primary Water Use:	Domestic	*Construction Date:*	20-NOV-53
Sec. Water Use:		*Well Depth:*	73 ft
Pump Rate:	3 GPM	*Static Water Level:*	32 ft
Flow Rate:		*Clear/Cloudy:*	CLEAR
Specific Capacity:		*Final Well Status:*	Water Supply
Construction Method:	Boring	*Flowing (y/n):*	N
Elevation (m):	159.87	*Elevation Reliability:*	
Depth to Bedrock:	27	*Overburden/Bedrock:*	Bedrock
Water Type:	FRESH	*Casing Material:*	MINERIAL, SULPHUR

--- Details ---

Thickness:	RED	*Original Depth:*	73 ft
Material Colour:	SHALE	*Material:*	46 ft
+			
Thickness:		*Original Depth:*	27 ft
Material Colour:	PREVIOUSLY DUG	*Material:*	27 ft

17 **1 of 1** **-/0.0** **151.8** **lot 2 con 1 ON** **WWIS**

Well ID:	2800014	*Lot:*	002
Concession:	01	*Concession Name:*	DS N
County:	HALTON	*Municipality:*	BURLINGTON CITY
Easting Nad83:	597690.5	*Northing Nad83:*	4808278
Zone:	17	*Utm Reliability:*	unknown UTM
Primary Water Use:	Domestic	*Construction Date:*	07-DEC-55
Sec. Water Use:		*Well Depth:*	174 ft
Pump Rate:	1 GPM	*Static Water Level:*	35 ft
Flow Rate:		*Clear/Cloudy:*	CLEAR
Specific Capacity:		*Final Well Status:*	Water Supply
Construction Method:	Cable Tool	*Flowing (y/n):*	N
Elevation (m):	155.49	*Elevation Reliability:*	
Depth to Bedrock:	38	*Overburden/Bedrock:*	Bedrock
Water Type:	FRESH	*Casing Material:*	FRESH, MINERIAL

--- Details ---

Thickness:		*Original Depth:*	38 ft
Material Colour:	FINE SAND, STONES	*Material:*	23 ft
+			
Thickness:	RED	*Original Depth:*	174 ft
Material Colour:	SHALE	*Material:*	136 ft
+			
Thickness:		*Original Depth:*	15 ft
Material Colour:	CLAY, MEDIUM SAND	*Material:*	15 ft

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
18	1 of 1	-/0.0	151.8	lot 1 con 1 OAKVILLE ON	WWIS

Well ID:	7052675	Lot:	001
Concession:	01	Concession Name:	
County:	HALTON	Municipality:	BURLINGTON CITY
Easting Nad83:	597587	Northing Nad83:	4808111
Zone:	17	Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:	Not Used	Construction Date:	11-OCT-07
Sec. Water Use:		Well Depth:	18.28 m
Pump Rate:		Static Water Level:	5.48 m
Flow Rate:		Clear/Cloudy:	
Specific Capacity:		Final Well Status:	Abandoned-Other
Construction Method:		Flowing (y/n):	
Elevation (m):	160.59	Elevation Reliability:	
Depth to Bedrock:		Overburden/Bedrock:	
Water Type:		Casing Material:	

--- Details ---

Thickness:	BROWN	Original Depth:	17.67 m
Material Colour:	CLAY, SAND, FILL	Material:	17.67 m
+			
Thickness:		Original Depth:	17.98 m
Material Colour:		Material:	.31 m
+			
Thickness:		Original Depth:	18.28 m
Material Colour:	GRAVEL	Material:	.3 m

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
20	1 of 1	-/0.0	151.8	Argo Development Corporation 5463 Dundas Street Burlington ON L7R 3X4	GEN

SIC Code:	111999
SIC Description:	All Other Miscellaneous Crop Farming
Generator #:	ON9092723
Approval Yrs:	07,08

--- Details ---

Waste Code:	221
Waste Description:	LIGHT FUELS

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
21	1 of 1	-/0.0	151.8	lot 1 con 1 OAKVILLE ON	WWIS

Well ID:	7052679	Lot:	001
Concession:	01	Concession Name:	
County:	HALTON	Municipality:	BURLINGTON CITY
Easting Nad83:	597728	Northing Nad83:	4808266
Zone:	17	Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:	Not Used	Construction Date:	11-OCT-07
Sec. Water Use:		Well Depth:	5.18 m
Pump Rate:		Static Water Level:	.61 m
Flow Rate:		Clear/Cloudy:	
Specific Capacity:		Final Well Status:	Abandoned-Other
Construction Method:		Flowing (y/n):	
Elevation (m):	155.33	Elevation Reliability:	
Depth to Bedrock:		Overburden/Bedrock:	
Water Type:		Casing Material:	

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

--- Details ---

Thickness:		Original Depth:	5.18 m
Material Colour:	GRAVEL	Material:	5.18 m

---

28 **1 of 1** **-/0.0** **151.8** **WWIS**

Burlington ON

Well ID:	7180771	Lot:	
Concession:		Concession Name:	
County:	HALTON	Municipality:	BURLINGTON CITY
Easting Nad83:	597473	Northing Nad83:	4807922
Zone:	17	Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:	Monitoring	Construction Date:	27-APR-12
Sec. Water Use:		Well Depth:	25 ft
Pump Rate:		Static Water Level:	
Flow Rate:		Clear/Cloudy:	
Specific Capacity:		Final Well Status:	Observation Wells
Construction Method:	Rotary (Convent.)	Flowing (y/n):	
Elevation (m):		Elevation Reliability:	
Depth to Bedrock:		Overburden/Bedrock:	
Water Type:		Casing Material:	Not stated

--- Details ---

Thickness:	BROWN	Original Depth:	18 ft
Material Colour:	SAND, GRAVEL, DENSE	Material:	18 ft
+			
Thickness:	RED	Original Depth:	22 ft
Material Colour:	CLAY, SILT, DENSE	Material:	4 ft
+			
Thickness:	RED	Original Depth:	25 ft
Material Colour:	SHALE, , HARD	Material:	3 ft

---

3 **1 of 1** **N/18.0** **156.5** **WWIS**

Milton ON

Well ID:	7148879	Lot:	
Concession:		Concession Name:	
County:	HALTON	Municipality:	OAKVILLE TOWN
Easting Nad83:	597150	Northing Nad83:	4808904
Zone:	17	Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:	Monitoring	Construction Date:	11-NOV-09
Sec. Water Use:		Well Depth:	12.83 m
Pump Rate:		Static Water Level:	
Flow Rate:		Clear/Cloudy:	
Specific Capacity:		Final Well Status:	Observation Wells
Construction Method:	Diamond	Flowing (y/n):	
Elevation (m):	160.19	Elevation Reliability:	
Depth to Bedrock:		Overburden/Bedrock:	
Water Type:		Casing Material:	FRESH, Not stated

--- Details ---

Thickness:		Original Depth:	.25 m
Material Colour:	TOPSOIL	Material:	.25 m
+			
Thickness:	BROWN	Original Depth:	1.52 m
Material Colour:	SILT, CLAYEY, GRAVEL	Material:	1.27 m
+			
Thickness:	RED	Original Depth:	2.6 m

Material Colour:	TILL, SHALE, WEATHERED	*Material:*	1.08 m
+			
Thickness:	RED	*Original Depth:*	12.83 m
Material Colour:	SHALE, WEATHERED, FRACTURED	*Material:*	10.23 m

4 **1 of 1** **NNE/37.4** **156.1** **lot 35 con 1 ON** **WWIS**

Well ID:	2807647	*Lot:*	035
Concession:	01	*Concession Name:*	DS N
County:	HALTON	*Municipality:*	OAKVILLE TOWN
Easting Nad83:	597185.3	*Northing Nad83:*	4808897
Zone:	17	*Utm Reliability:*	margin of error : 10 - 30 m
Primary Water Use:	Domestic	*Construction Date:*	31-AUG-90
Sec. Water Use:		*Well Depth:*	50 ft
Pump Rate:	2 GPM	*Static Water Level:*	17 ft
Flow Rate:		*Clear/Cloudy:*	CLOUDY
Specific Capacity:		*Final Well Status:*	Water Supply
Construction Method:	Cable Tool	*Flowing (y/n):*	N
Elevation (m):	159.88	*Elevation Reliability:*	
Depth to Bedrock:	18	*Overburden/Bedrock:*	Bedrock
Water Type:	SALTY	*Casing Material:*	FRESH, MINERIAL

--- Details ---

Thickness:	BROWN	*Original Depth:*	12 ft
Material Colour:	CLAY, LOOSE	*Material:*	12 ft
+			
Thickness:	RED	*Original Depth:*	18 ft
Material Colour:	CLAY, LOOSE	*Material:*	6 ft
+			
Thickness:	RED	*Original Depth:*	50 ft
Material Colour:	SHALE, HARD	*Material:*	32 ft

6 **1 of 1** **N/13.5** **158.3** **lot 1 con 1 ON** **WWIS**

Well ID:	2803908	*Lot:*	001
Concession:	01	*Concession Name:*	DS N
County:	HALTON	*Municipality:*	BURLINGTON CITY
Easting Nad83:	597034.5	*Northing Nad83:*	4808993
Zone:	17	*Utm Reliability:*	margin of error : 30 m - 100 m
Primary Water Use:	Domestic	*Construction Date:*	04-SEP-72
Sec. Water Use:		*Well Depth:*	52 ft
Pump Rate:	2 GPM	*Static Water Level:*	44 ft
Flow Rate:		*Clear/Cloudy:*	CLEAR
Specific Capacity:		*Final Well Status:*	Water Supply
Construction Method:	Cable Tool	*Flowing (y/n):*	N
Elevation (m):	160.93	*Elevation Reliability:*	
Depth to Bedrock:	21	*Overburden/Bedrock:*	Bedrock
Water Type:	FRESH, MINERIAL	*Casing Material:*	FRESH, MINERIAL

--- Details ---

Thickness:	BROWN	*Original Depth:*	15 ft
Material Colour:	CLAY	*Material:*	12 ft
+			
Thickness:	RED	*Original Depth:*	21 ft

Material Colour:	CLAY	*Material:*	6 ft
+			
Thickness:	RED	*Original Depth:*	52 ft
Material Colour:	SHALE	*Material:*	31 ft
+			
Thickness:		*Original Depth:*	3 ft
Material Colour:	TOPSOIL	*Material:*	3 ft

---

7 **1 of 1** **N/29.9** **158.6** **lot 1 con 1 ON** **WWIS**

Well ID:	2804460	*Lot:*	001
Concession:	01	*Concession Name:*	DS N
County:	HALTON	*Municipality:*	BURLINGTON CITY
Easting Nad83:	597011.5	*Northing Nad83:*	4808992
Zone:	17	*Utm Reliability:*	margin of error : 30 m - 100 m
Primary Water Use:	Domestic	*Construction Date:*	27-AUG-73
Sec. Water Use:		*Well Depth:*	24 ft
Pump Rate:	7 GPM	*Static Water Level:*	10 ft
Flow Rate:		*Clear/Cloudy:*	CLEAR
Specific Capacity:		*Final Well Status:*	Water Supply
Construction Method:	Boring	*Flowing (y/n):*	N
Elevation (m):	160.99	*Elevation Reliability:*	
Depth to Bedrock:	15	*Overburden/Bedrock:*	Bedrock
Water Type:	FRESH	*Casing Material:*	MINERIAL, SULPHUR

--- Details ---

Thickness:	BROWN	*Original Depth:*	1 ft
Material Colour:	TOPSOIL	*Material:*	1 ft
+			
Thickness:	RED	*Original Depth:*	24 ft
Material Colour:	SHALE	*Material:*	9 ft
+			
Thickness:	BROWN	*Original Depth:*	15 ft
Material Colour:	CLAY, STONES	*Material:*	14 ft

---

8 **1 of 1** **NE/211.1** **152.8** **Oakville ON** **WWIS**

Well ID:	7148880	*Lot:*	
Concession:		*Concession Name:*	
County:	HALTON	*Municipality:*	OAKVILLE TOWN
Easting Nad83:	597436	*Northing Nad83:*	4808897
Zone:	17	*Utm Reliability:*	margin of error : 30 m - 100 m
Primary Water Use:	Monitoring	*Construction Date:*	09-NOV-09
Sec. Water Use:		*Well Depth:*	3.61 m
Pump Rate:		*Static Water Level:*	
Flow Rate:		*Clear/Cloudy:*	
Specific Capacity:		*Final Well Status:*	Observation Wells
Construction Method:	H.S.A.	*Flowing (y/n):*	
Elevation (m):	156.76	*Elevation Reliability:*	
Depth to Bedrock:		*Overburden/Bedrock:*	
Water Type:		*Casing Material:*	FRESH, Not stated

--- Details ---

Thickness:		*Original Depth:*	.4 m

Material Colour:	TOPSOIL	*Material:*	.4 m
+			
Thickness:	BROWN	*Original Depth:*	2.77 m
Material Colour:	SILT, CLAYEY, GRAVEL	*Material:*	2.37 m
+			
Thickness:	RED	*Original Depth:*	3.61 m
Material Colour:	SHALE, WEATHERED, OTHER	*Material:*	.84 m

11 **1 of 1** **N/189.2** **156.6** **WWIS**

Oakville ON

Well ID:	7148881	*Lot:*	
Concession:		*Concession Name:*	
County:	HALTON	*Municipality:*	OAKVILLE TOWN
Easting Nad83:	597136	*Northing Nad83:*	4809160
Zone:	17	*Utm Reliability:*	margin of error : 30 m - 100 m
Primary Water Use:	Monitoring	*Construction Date:*	10-NOV-09
Sec. Water Use:		*Well Depth:*	5.33 m
Pump Rate:		*Static Water Level:*	
Flow Rate:		*Clear/Cloudy:*	
Specific Capacity:		*Final Well Status:*	Observation Wells
Construction Method:	H.S.A.	*Flowing (y/n):*	
Elevation (m):	156.23	*Elevation Reliability:*	
Depth to Bedrock:		*Overburden/Bedrock:*	
Water Type:		*Casing Material:*	FRESH

--- Details ---

Thickness:		*Original Depth:*	.25 m
Material Colour:	TOPSOIL	*Material:*	.25 m
+			
Thickness:	BROWN	*Original Depth:*	4.17 m
Material Colour:	SILT, CLAYEY, GRAVEL	*Material:*	3.92 m
+			
Thickness:	RED	*Original Depth:*	5.33 m
Material Colour:	SHALE, WEATHERED, OTHER	*Material:*	1.16 m

12 **1 of 1** **WNW/29.4** **166.9** **WWIS**

BURLINGTON ON

Well ID:	7163448	*Lot:*	
Concession:		*Concession Name:*	
County:	HALTON	*Municipality:*	BURLINGTON CITY
Easting Nad83:	596530	*Northing Nad83:*	4808799
Zone:	17	*Utm Reliability:*	margin of error : 30 m - 100 m
Primary Water Use:	Other	*Construction Date:*	16-APR-11
Sec. Water Use:		*Well Depth:*	ft
Pump Rate:		*Static Water Level:*	24 ft
Flow Rate:		*Clear/Cloudy:*	
Specific Capacity:		*Final Well Status:*	
Construction Method:		*Flowing (y/n):*	
Elevation (m):		*Elevation Reliability:*	
Depth to Bedrock:		*Overburden/Bedrock:*	
Water Type:		*Casing Material:*	FRESH

--- Details ---

Thickness:		*Original Depth:*	ft

Material Colour:		*Material:*	ft

13 | ***1 of 1*** | ***SSE/15.2*** | ***151.8*** | ***lot 2 con 1 ON*** | ***WWIS***

Well ID:	2804884	*Lot:*	002
Concession:	01	*Concession Name:*	DS N
County:	HALTON	*Municipality:*	BURLINGTON CITY
Easting Nad83:	597354.5	*Northing Nad83:*	4807983
Zone:	17	*Utm Reliability:*	margin of error : 30 m - 100 m
Primary Water Use:	Domestic	*Construction Date:*	14-MAY-76
Sec. Water Use:		*Well Depth:*	30 ft
Pump Rate:		*Static Water Level:*	8 ft
Flow Rate:		*Clear/Cloudy:*	
Specific Capacity:		*Final Well Status:*	Water Supply
Construction Method:	Boring	*Flowing (y/n):*	N
Elevation (m):	164.91	*Elevation Reliability:*	
Depth to Bedrock:		*Overburden/Bedrock:*	Overburden
Water Type:	FRESH	*Casing Material:*	SALTY, SULPHUR

--- Details ---

Thickness:	BROWN	*Original Depth:*	30 ft
Material Colour:	SAND, PACKED	*Material:*	17 ft
+			
Thickness:	BROWN	*Original Depth:*	13 ft
Material Colour:	COARSE GRAVEL, COARSE SAND	*Material:*	3 ft
+			
Thickness:	BLACK	*Original Depth:*	1 ft
Material Colour:	TOPSOIL	*Material:*	1 ft
+			
Thickness:	BROWN	*Original Depth:*	10 ft
Material Colour:	SAND	*Material:*	9 ft

15 | ***1 of 18*** | ***SSE/67.3*** | ***151.8*** | ***FIRSTCANADA ULC 5401 DUNDAS ST BURLINGTON ON L7R 3X4*** | ***FST***

Instance Number:	11646679
Cont Name:	AL FRANK'S HYDROCARBON FUELS INC.
Instance Type:	FS Liquid Fuel Tank
Fuel Type:	Diesel
Status Name:	Active
Capacity:	45460
Tank Material:	Fiberglass (FRP)
Corrosion Protection:	Fiberglass
Tank Type:	Liquid Fuel Single Wall UST
Install Year:	1984
Expired Date:	
Parent Facility Type:	FS PRIVATE FUEL OUTLET - SELF SERVE
Facility Type:	FS Liquid Fuel Tank

15 | ***2 of 18*** | ***SSE/67.3*** | ***151.8*** | ***FIRSTCANADA ULC 5401 DUNDAS ST BURLINGTON ON L7R 3X4*** | ***FST***

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

Instance Number: 11646757
Cont Name: AL FRANK'S HYDROCARBON FUELS INC.
Instance Type: FS Liquid Fuel Tank
Fuel Type: Other
Status Name: Active
Capacity: 2208
Tank Material: Steel
Corrosion Protection: Painted
Tank Type: Liquid Fuel Single Wall AST
Install Year: 1974
Expired Date:
Parent Facility Type: FS PRIVATE FUEL OUTLET - SELF SERVE
Facility Type:

---

15 | **3 of 18** | **SSE/67.3** | **151.8** | **FIRSTCANADA ULC**
5401 DUNDAS ST
BURLINGTON ON L7R 3X4 | **FST**

Instance Number: 11646723
Cont Name: AL FRANK'S HYDROCARBON FUELS INC.
Instance Type: FS Liquid Fuel Tank
Fuel Type: Gasoline
Status Name: Active
Capacity: 10000
Tank Material: Fiberglass (FRP)
Corrosion Protection: Fiberglass
Tank Type: Liquid Fuel Single Wall UST
Install Year: 1974
Expired Date:
Parent Facility Type: FS PRIVATE FUEL OUTLET - SELF SERVE
Facility Type: FS Liquid Fuel Tank

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15 | **4 of 18** | **SSE/67.3** | **151.8** | **LAIDLAW TRANSIT LTD ATTN BOB DAWSON**
5401 DUNDAS ST
BURLINGTON ON L7R 3X4 | **FSTH**

License Issue Date: 11/8/1990
Tank Status As Of: August 2007
Facility Type: Gasoline Station - Self Serve
Tank Status: Licensed
Operation Type: Private Fuel Outlet

---

15 | **5 of 18** | **SSE/67.3** | **151.8** | **LAIDLAW TRANSIT LTD ATTN BOB DAWSON**
5401 DUNDAS ST
BURLINGTON ON L7R 3X4 | **FSTH**

License Issue Date: 11/8/1990
Tank Status As Of: December 2008
Facility Type: Gasoline Station - Self Serve
Tank Status: Licensed
Operation Type: Private Fuel Outlet

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15 | **6 of 18** | **SSE/67.3** | **151.8** | **FirstCanada ULC**
5401 DUNDAS STREET
BURLINGTON ON L7R 3X4 | **GEN**

SIC Code: 485410

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

SIC Description: School and Employee Bus Transportation
Generator #: ON0222809
Approval Yrs: 2009

--- Details ---
Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS
+
Waste Code: 213
Waste Description: PETROLEUM DISTILLATES
+
Waste Code: 221
Waste Description: LIGHT FUELS
+
Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES
+
Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

15	**7 of 18**	**SSE/67.3**	**151.8**	**FirstCanada ULC** **5401 DUNDAS STREET** **BURLINGTON ON L7R 3X4**	**GEN**

SIC Code: 485410
SIC Description: School and Employee Bus Transportation
Generator #: ON0222809
Approval Yrs: 2010

--- Details ---
Waste Code: 221
Waste Description: LIGHT FUELS
+
Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES
+
Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS
+
Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS
+
Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

15	**8 of 18**	**SSE/67.3**	**151.8**	**LAIDLAW TRANSIT LTD.** **5401 DUNDAS STREET, BURLINGTON C/O** **30 HERITAGE ROAD** **MARKHAM ON L7R 3X4**	**GEN**

SIC Code: 4573
SIC Description: SCHOOL BUS OPER.
Generator #: ON0222809
Approval Yrs: 90

--- Details ---
Waste Code: 213
Waste Description: PETROLEUM DISTILLATES
+
Waste Code: 251

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

Waste Description: OIL SKIMMINGS & SLUDGES
+
Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

---

15 | ***9 of 18*** | ***SSE/67.3*** | ***151.8*** | ***LAIDLAW TRANSIT LTD.*** ***38-039*** | ***GEN***
5401 DUNDAS STREET
BURLINGTON ON L7R 3X4

SIC Code: 4573
SIC Description: SCHOOL BUS OPER.
Generator #: ON0222809
Approval Yrs: 92,93,95,96

--- Details ---
Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS
+
Waste Code: 213
Waste Description: PETROLEUM DISTILLATES
+
Waste Code: 221
Waste Description: LIGHT FUELS
+
Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES
+
Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

---

15 | ***10 of 18*** | ***SSE/67.3*** | ***151.8*** | ***FirstCanada ULC*** | ***GEN***
5401 DUNDAS STREET
BURLINGTON ON L7R 3X4

SIC Code: 485410
SIC Description: School and Employee Bus Transportation
Generator #: ON0222809
Approval Yrs: 07,08

--- Details ---
Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS
+
Waste Code: 213
Waste Description: PETROLEUM DISTILLATES
+
Waste Code: 221
Waste Description: LIGHT FUELS
+
Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES
+
Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

---

15 | ***11 of 18*** | ***SSE/67.3*** | ***151.8*** | ***FirstCanada ULC*** | ***GEN***
5401 DUNDAS STREET
BURLINGTON ON L7R 3X4

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

SIC Code: 485410
SIC Description: School and Employee Bus Transportation
Generator #: ON0222809
Approval Yrs: 2012

--- Details ---
Waste Code: 213
Waste Description: PETROLEUM DISTILLATES
+
Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS
+
Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES
+
Waste Code: 221
Waste Description: LIGHT FUELS
+
Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

15	12 of 18	SSE/67.3	151.8	LAIDLAW TRANSIT LTD 5401 DUNDAS STREET BURLINGTON ON L7R 3X4	GEN

SIC Code: 4573
SIC Description: SCHOOL BUS OPER.
Generator #: ON0222809
Approval Yrs: 97

--- Details ---
Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS
+
Waste Code: 213
Waste Description: PETROLEUM DISTILLATES
+
Waste Code: 221
Waste Description: LIGHT FUELS
+
Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES
+
Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

15	13 of 18	SSE/67.3	151.8	TRAVELWAYS SCHOOL TRANSIT LTD 5401 DUNDAS STREET BURLINGTON ON L7R 3X4	GEN

SIC Code: 4573
SIC Description: SCHOOL BUS OPER.
Generator #: ON0222809
Approval Yrs: 86,87

--- Details ---
Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES
+
Waste Code: 252

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Waste Description:		WASTE OILS & LUBRICANTS			

15	***14 of 18***	***SSE/67.3***	***151.8***	***LAIDLAW TRANSIT LTD. 38-039*** ***5401 DUNDAS STREET, BURLINGTON C/O*** ***30 HERITAGE ROAD*** ***MARKHAM ON L7R 3X4***	***GEN***

SIC Code: 4573
SIC Description: SCHOOL BUS OPER.
Generator #: ON0222809
Approval Yrs: 94

--- 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

15	***15 of 18***	***SSE/67.3***	***151.8***	***FirstCanada ULC*** ***5401 DUNDAS STREET*** ***BURLINGTON ON L7R 3X4***	***GEN***

SIC Code: 485410
SIC Description: School and Employee Bus Transportation
Generator #: ON0222809
Approval Yrs: 2011

--- Details ---
Waste Code: 221
Waste Description: LIGHT FUELS
+
Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS
+
Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS
+
Waste Code: 213
Waste Description: PETROLEUM DISTILLATES
+
Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

15	***16 of 18***	***SSE/67.3***	***151.8***	***LAIDLAW TRANSIT LTD.*** ***5401 DUNDAS STREET*** ***BURLINGTON ON L7R 3X4***	***GEN***

SIC Code: 4573
SIC Description: SCHOOL BUS OPER.
Generator #: ON0222809
Approval Yrs: 88,89,98,99,00,01,02,03,04,05,06

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

--- Details ---
Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS
+
Waste Code: 213
Waste Description: PETROLEUM DISTILLATES
+
Waste Code: 221
Waste Description: LIGHT FUELS
+
Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES
+
Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

---

15 | **17 of 18** | **SSE/67.3** | **151.8** | **FirstCanada ULC**
5401 DUNDAS STREET
BURLINGTON ON L7R 3X4 | **GEN**

SIC Code:
SIC Description:
Generator #: ON0222809
Approval Yrs: As of April 2014

--- Details ---
Waste Code: 212
Waste Description: Aliphatic solvents and residues
+
Waste Code: 213
Waste Description: Petroleum distillates
+
Waste Code: 221
Waste Description: Light fuels
+
Waste Code: 251
Waste Description: Waste oils/sludges (petroleum based)
+
Waste Code: 252
Waste Description: Waste crankcase oils and lubricants

---

15 | **18 of 18** | **SSE/67.3** | **151.8** | **LAIDLAW TRANSIT LTD**
5401 DUNDAS ST
BURLINGTON ON L7R 3X4 | **PRT**

Location ID: 2405
Type: private
Expiry Date:
Capacity (L): 68190.00
Licence #: 0001039996

---

19 | **1 of 1** | **NNW/14.1** | **161.7** | **ON** | **BORE**

Borehole ID: 891171
Use: Geotechnical/Geological Investigation
Drill Method: Diamond Drill
Easting: 596861.000
Type: Borehole
Status: Decommissioned
UTM Zone: 17
Northing: 4809180.000

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

Location Accuracy:		*Orig. Ground Elev m:*	157.899994
Elev. Reliability Note:		*DEM Ground Elev m:*	159.199997
Total Depth m:	8	*Primary Name:*	
Township:	TRAFALGAR	*Concession:*	
Lot:		*Municipality:*	
Completion Date:	1990-APR-4	*Static Water Level:*	3.100000
Primary Water Use:		*Sec. Water Use:*	

--- Details ---

Stratum ID:	8504010	*Top Depth m:*	0
Bottom Depth m:	0.500000	*Stratum Desc:*	sand and gravel (fill)
+			
Stratum ID:	8504011	*Top Depth m:*	0.500000
Bottom Depth m:	2.100000	*Stratum Desc:*	clayey silt, trace of organics (topsoil)
+			
Stratum ID:	8504012	*Top Depth m:*	2.100000
Bottom Depth m:	5.200000	*Stratum Desc:*	Heterogeneous mixture of clayey silt, sand and gravel. Stiff to hard (glacial till) brown to reddish brown
+			
Stratum ID:	8504013	*Top Depth m:*	5.200000
Bottom Depth m:	8	*Stratum Desc:*	Red, bedrock queenston shale, weathered

---

22 **1 of 1** **NNW/3.5** **162.3** **ON** **BORE**

Borehole ID:	891169	*Type:*	Borehole
Use:	Geotechnical/Geological Investigation	*Status:*	Decommissioned
Drill Method:	Diamond Drill	*UTM Zone:*	17
Easting:	596834.000	*Northing:*	4809191.000
Location Accuracy:		*Orig. Ground Elev m:*	158
Elev. Reliability Note:		*DEM Ground Elev m:*	160
Total Depth m:	7.900000	*Primary Name:*	
Township:	NELSON	*Concession:*	
Lot:		*Municipality:*	
Completion Date:	1990-APR-4	*Static Water Level:*	4.800000
Primary Water Use:		*Sec. Water Use:*	

--- Details ---

Stratum ID:	8504003	*Top Depth m:*	0
Bottom Depth m:	0.900000	*Stratum Desc:*	sand and gravel (fill)
+			
Stratum ID:	8504004	*Top Depth m:*	0.900000
Bottom Depth m:	6.300000	*Stratum Desc:*	brown, heterogeneous mixture of clayey silt, sand and gravel. Very stiff to hard. (glacial till)
+			
Stratum ID:	8504005	*Top Depth m:*	6.300000
Bottom Depth m:	7.900000	*Stratum Desc:*	Red. Bedrock queenston shale. Weathered

---

23 **1 of 1** **SSE/93.1** **151.8** **lot 2 con 1 ON** **WWIS**

Well ID:	2804096	*Lot:*	002

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

Concession:	01	*Concession Name:*	DS N
County:	HALTON	*Municipality:*	BURLINGTON CITY
Easting Nad83:	597332.5	*Northing Nad83:*	4807896
Zone:	17	*Utm Reliability:*	margin of error : 30 m - 100 m
Primary Water Use:	Domestic	*Construction Date:*	21-MAR-73
Sec. Water Use:		*Well Depth:*	34 ft
Pump Rate:	10 GPM	*Static Water Level:*	15 ft
Flow Rate:		*Clear/Cloudy:*	CLEAR
Specific Capacity:		*Final Well Status:*	Water Supply
Construction Method:	Boring	*Flowing (y/n):*	N
Elevation (m):	163.19	*Elevation Reliability:*	
Depth to Bedrock:	5	*Overburden/Bedrock:*	Mixed in a Layer
Water Type:	FRESH	*Casing Material:*	SULPHUR

--- Details ---

Thickness:	BROWN	*Original Depth:*	1 ft
Material Colour:	TOPSOIL	*Material:*	1 ft
+			
Thickness:	BROWN	*Original Depth:*	5 ft
Material Colour:	TOPSOIL, SAND	*Material:*	4 ft
+			
Thickness:	GREY	*Original Depth:*	33 ft
Material Colour:	SILT, SHALE, SAND	*Material:*	28 ft
+			
Thickness:	RED	*Original Depth:*	34 ft
Material Colour:	SHALE	*Material:*	1 ft

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
24	1 of 1	SE/0.7	151.8	lot 1 con 1 ON	WWIS

Well ID:	2803936	*Lot:*	001
Concession:	01	*Concession Name:*	DS N
County:	HALTON	*Municipality:*	BURLINGTON CITY
Easting Nad83:	597574.5	*Northing Nad83:*	4808043
Zone:	17	*Utm Reliability:*	margin of error : 30 m - 100 m
Primary Water Use:	Domestic	*Construction Date:*	03-OCT-72
Sec. Water Use:		*Well Depth:*	42 ft
Pump Rate:		*Static Water Level:*	25 ft
Flow Rate:		*Clear/Cloudy:*	
Specific Capacity:		*Final Well Status:*	Water Supply
Construction Method:	Boring	*Flowing (y/n):*	N
Elevation (m):	160.63	*Elevation Reliability:*	
Depth to Bedrock:	32	*Overburden/Bedrock:*	Bedrock
Water Type:	FRESH	*Casing Material:*	MINERIAL, SULPHUR

--- Details ---

Thickness:	BROWN	*Original Depth:*	12 ft
Material Colour:	CLAY	*Material:*	11 ft
+			
Thickness:	GREY	*Original Depth:*	32 ft
Material Colour:	CLAY, SILT, STONES	*Material:*	20 ft
+			
Thickness:	BROWN	*Original Depth:*	1 ft
Material Colour:	TOPSOIL	*Material:*	1 ft
+			

Thickness:	RED	*Original Depth:*	42 ft
Material Colour:	SHALE	*Material:*	10 ft

25 **1 of 1** **WNW/113.1** **166.1** **Parcel 12** **EHS**
Oakville, Burlington ON

Order No.:	19990601012
Report Date:	6/11/99
Report Type:	Custom Report
Search Radius (km):	0.50
Addit. Info Ordered:	

26 **1 of 1** **NNW/14.2** **162.2** **BORE**
ON

Borehole ID:	891168	*Type:*	Borehole
Use:	Geotechnical/Geological Investigation	*Status:*	Decommissioned
Drill Method:	Diamond Drill	*UTM Zone:*	17
Easting:	596839.000	*Northing:*	4809201.000
Location Accuracy:		*Orig. Ground Elev m:*	158
Elev. Reliability Note:		*DEM Ground Elev m:*	159.899994
Total Depth m:	11.700000	*Primary Name:*	
Township:	TRAFALGAR	*Concession:*	
Lot:		*Municipality:*	
Completion Date:	1990-APR-3	*Static Water Level:*	8
Primary Water Use:		*Sec. Water Use:*	

--- Details ---

Stratum ID:	8504000	*Top Depth m:*	0
Bottom Depth m:	0.400000	*Stratum Desc:*	Sand and gravel (fill)
+			
Stratum ID:	8504001	*Top Depth m:*	0.400000
Bottom Depth m:	5.500000	*Stratum Desc:*	Heterogeneous mixture of clayey silt, sand and gravel. Very stiff to hard (glacial till) brown, reddish-brown
+			
Stratum ID:	8504002	*Top Depth m:*	5.500000
Bottom Depth m:	11.700000	*Stratum Desc:*	red, bedrock, queenston shale. Weathered, sound.

27 **1 of 1** **ESE/10.8** **151.8** **lot 1 con 1** **WWIS**
ON

Well ID:	2805427	*Lot:*	001
Concession:	01	*Concession Name:*	DS N
County:	HALTON	*Municipality:*	BURLINGTON CITY
Easting Nad83:	597774.5	*Northing Nad83:*	4808283
Zone:	17	*Utm Reliability:*	margin of error : 30 m - 100 m
Primary Water Use:	Domestic	*Construction Date:*	06-SEP-78
Sec. Water Use:		*Well Depth:*	18 ft
Pump Rate:	15 GPM	*Static Water Level:*	
Flow Rate:		*Clear/Cloudy:*	CLEAR
Specific Capacity:		*Final Well Status:*	Water Supply
Construction Method:	Boring	*Flowing (y/n):*	N
Elevation (m):	156.01	*Elevation Reliability:*	
Depth to Bedrock:	4	*Overburden/Bedrock:*	Bedrock

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

Water Type:	FRESH	*Casing Material:*	MINERIAL, SULPHUR
--- Details ---			
Thickness:	BROWN	*Original Depth:*	1 ft
Material Colour:	TOPSOIL	*Material:*	1 ft
+			
Thickness:	BROWN	*Original Depth:*	4 ft
Material Colour:	CLAY, STONES, HARD	*Material:*	3 ft
+			
Thickness:	RED	*Original Depth:*	13 ft
Material Colour:	SHALE, HARD	*Material:*	9 ft
+			
Thickness:	RED	*Original Depth:*	18 ft
Material Colour:	SHALE, HARD, VERY	*Material:*	5 ft

29 **1 of 1** **NNW/32.1** **162.5** **ON** **BORE**

Borehole ID:	891167	*Type:*	Borehole
Use:	Geotechnical/Geological Investigation	*Status:*	Decommissioned
Drill Method:	Diamond Drill	*UTM Zone:*	17
Easting:	596811.000	*Northing:*	4809226.000
Location Accuracy:		*Orig. Ground Elev m:*	157.699997
Elev. Reliability Note:		*DEM Ground Elev m:*	160
Total Depth m:	10.500000	*Primary Name:*	
Township:	TRAFALGAR	*Concession:*	
Lot:		*Municipality:*	
Completion Date:	1990-APR-4	*Static Water Level:*	1
Primary Water Use:		*Sec. Water Use:*	
--- Details ---			
Stratum ID:	8503996	*Top Depth m:*	0
Bottom Depth m:	0.500000	*Stratum Desc:*	sand and gravel (fill)
+			
Stratum ID:	8503997	*Top Depth m:*	0.500000
Bottom Depth m:	1.400000	*Stratum Desc:*	clayey silt (fill)
+			
Stratum ID:	8503998	*Top Depth m:*	1.400000
Bottom Depth m:	5.300000	*Stratum Desc:*	Brown- Reddish- Brown. Heterogeneous mixture of clayey silt, sand and gravel. Hard (glacial till) reddish brown
+			
Stratum ID:	8503999	*Top Depth m:*	5.300000
Bottom Depth m:	10.500000	*Stratum Desc:*	Red, weathered, sound. Bedrock, queenston shale

30 **1 of 1** **SSE/143.7** **151.5** **lot 2 con 1 ON** **WWIS**

Well ID:	2803897	*Lot:*	002
Concession:	01	*Concession Name:*	DS N
County:	HALTON	*Municipality:*	BURLINGTON CITY
Easting Nad83:	597314.5	*Northing Nad83:*	4807843
Zone:	17	*Utm Reliability:*	margin of error : 30 m - 100 m

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

Primary Water Use:	Domestic	*Construction Date:*	15-AUG-72
Sec. Water Use:		*Well Depth:*	30 ft
Pump Rate:	10 GPM	*Static Water Level:*	7 ft
Flow Rate:		*Clear/Cloudy:*	
Specific Capacity:		*Final Well Status:*	Water Supply
Construction Method:	Boring	*Flowing (y/n):*	N
Elevation (m):	161.71	*Elevation Reliability:*	
Depth to Bedrock:		*Overburden/Bedrock:*	Overburden
Water Type:	FRESH	*Casing Material:*	SULPHUR

--- Details ---

Thickness:	BROWN	*Original Depth:*	5 ft
Material Colour:	SAND	*Material:*	5 ft
+			
Thickness:	BROWN	*Original Depth:*	20 ft
Material Colour:	CLAY, SAND, GRAVEL	*Material:*	15 ft
+			
Thickness:	RED	*Original Depth:*	30 ft
Material Colour:	CLAY, SILT	*Material:*	10 ft

---

31 ***1 of 1*** ***SE/42.9*** ***151.8*** ***lot 1 con 1 ON*** ***WWIS***

Well ID:	2800165	*Lot:*	001
Concession:	01	*Concession Name:*	DS S
County:	HALTON	*Municipality:*	BURLINGTON CITY
Easting Nad83:	597562.5	*Northing Nad83:*	4807959
Zone:	17	*Utm Reliability:*	unknown UTM
Primary Water Use:	Domestic	*Construction Date:*	30-MAY-52
Sec. Water Use:		*Well Depth:*	46 ft
Pump Rate:	3 GPM	*Static Water Level:*	10 ft
Flow Rate:		*Clear/Cloudy:*	CLEAR
Specific Capacity:		*Final Well Status:*	Water Supply
Construction Method:	Cable Tool	*Flowing (y/n):*	N
Elevation (m):	160.33	*Elevation Reliability:*	
Depth to Bedrock:	15	*Overburden/Bedrock:*	Bedrock
Water Type:	FRESH	*Casing Material:*	FRESH, MINERIAL

--- Details ---

Thickness:		*Original Depth:*	15 ft
Material Colour:	CLAY	*Material:*	15 ft
+			
Thickness:	RED	*Original Depth:*	46 ft
Material Colour:	SHALE	*Material:*	31 ft

---

32 ***1 of 1*** ***NNW/64.5*** ***163.0*** ***ON*** ***BORE***

Borehole ID:	891166	*Type:*	Borehole
Use:	Geotechnical/Geological Investigation	*Status:*	Decommissioned
Drill Method:	Diamond Drill	*UTM Zone:*	17
Easting:	596781.000	*Northing:*	4809245.000
Location Accuracy:		*Orig. Ground Elev m:*	157.600006
Elev. Reliability Note:		*DEM Ground Elev m:*	160
Total Depth m:	9.100000	*Primary Name:*	
Township:	NELSON	*Concession:*	

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

Lot:		*Municipality:*	
Completion Date:	1990-APR-4	*Static Water Level:*	1
Primary Water Use:		*Sec. Water Use:*	

--- Details ---

Stratum ID:	8503992	*Top Depth m:*	0
Bottom Depth m:	0.800000	*Stratum Desc:*	Sand and gravel, (fill)
+			
Stratum ID:	8503993	*Top Depth m:*	0.800000
Bottom Depth m:	1.400000	*Stratum Desc:*	clayey silt (topsoil)
+			
Stratum ID:	8503994	*Top Depth m:*	1.400000
Bottom Depth m:	5.100000	*Stratum Desc:*	Heterogeneous mixture of clayey silt, sand and gravel. Very stiff to hard (glacial till) sandy silt layer. Brown-reddish-brown
+			
Stratum ID:	8503995	*Top Depth m:*	5.100000
Bottom Depth m:	9.100000	*Stratum Desc:*	Red, weathered, sound, bedrock queenston shale.

---

33 **1 of 1** **NNW/69.6** **162.9** **ON** **BORE**

Borehole ID:	891165	*Type:*	Borehole
Use:	Geotechnical/Geological Investigation	*Status:*	Decommissioned
Drill Method:	Diamond Drill	*UTM Zone:*	17
Easting:	596783.000	*Northing:*	4809253.000
Location Accuracy:		*Orig. Ground Elev m:*	157.699997
Elev. Reliability Note:		*DEM Ground Elev m:*	160
Total Depth m:	7.800000	*Primary Name:*	
Township:	TRAFALGAR	*Concession:*	
Lot:		*Municipality:*	
Completion Date:	1990-APR-4	*Static Water Level:*	4.100000
Primary Water Use:		*Sec. Water Use:*	

--- Details ---

Stratum ID:	8503990	*Top Depth m:*	1.400000
Bottom Depth m:	5.100000	*Stratum Desc:*	Heterogeneous mixture of clayey silt, sand and gravel. Very stiff to hard (glacial till) Brown- reddish-brown.
+			
Stratum ID:	8503991	*Top Depth m:*	5.100000
Bottom Depth m:	7.800000	*Stratum Desc:*	Red, bedrock, queenston shale. Weathered, sound

---

34 **1 of 1** **NNW/99.0** **163.3** **ON** **BORE**

Borehole ID:	891170	*Type:*	Borehole
Use:	Geotechnical/Geological Investigation	*Status:*	Decommissioned
Drill Method:	Diamond Drill	*UTM Zone:*	17
Easting:	596756.000	*Northing:*	4809269.000
Location Accuracy:		*Orig. Ground Elev m:*	157.699997
Elev. Reliability Note:		*DEM Ground Elev m:*	160
Total Depth m:	7.700000	*Primary Name:*	
Township:	NELSON	*Concession:*	

Lot:		*Municipality:*	
Completion Date:	1990-APR-4	*Static Water Level:*	3.500000
Primary Water Use:		*Sec. Water Use:*	

--- Details ---

Stratum ID:	8504006	*Top Depth m:*	0
Bottom Depth m:	1.100000	*Stratum Desc:*	Sand and gravel (fill)
+			
Stratum ID:	8504007	*Top Depth m:*	1.100000
Bottom Depth m:	1.900000	*Stratum Desc:*	clayey silt (topsoil)
+			
Stratum ID:	8504008	*Top Depth m:*	1.900000
Bottom Depth m:	5.400000	*Stratum Desc:*	brown, reddish-brown. Heterogeneous mixture of clayey silt, sand and gravel. Hard (glacial till) reddish brown
+			
Stratum ID:	8504009	*Top Depth m:*	5.400000
Bottom Depth m:	7.700000	*Stratum Desc:*	Red, bedrock, queenston shale,. Weathered

---

35 ***1 of 1*** ***W/228.4*** ***160.2*** ***ON*** ***BORE***

Borehole ID:	891215	*Type:*	Borehole
Use:	Geotechnical/Geological Investigation	*Status:*	Decommissioned
Drill Method:	Solid stem auger	*UTM Zone:*	17
Easting:	596285.000	*Northing:*	4808582.000
Location Accuracy:		*Orig. Ground Elev m:*	163.399994
Elev. Reliability Note:		*DEM Ground Elev m:*	164.899994
Total Depth m:	7.700000	*Primary Name:*	
Township:	NELSON	*Concession:*	CON 1 NORTH OF DUNDAS ST
Lot:	LOT 3	*Municipality:*	
Completion Date:	1990-NOV-20	*Static Water Level:*	
Primary Water Use:		*Sec. Water Use:*	

--- Details ---

Stratum ID:	8504139	*Top Depth m:*	0
Bottom Depth m:	2.700000	*Stratum Desc:*	Topsoil, Heterogeneous mixture of clayey silt and sand, some gravel, dry, low plasticity. (Glacial Till) Hard. Brown
+			
Stratum ID:	8504140	*Top Depth m:*	2.700000
Bottom Depth m:	4	*Stratum Desc:*	Silt, uniform except for one clayey silt layer, moist, non-plastic Dense, Brown
+			
Stratum ID:	8504141	*Top Depth m:*	4
Bottom Depth m:	7.700000	*Stratum Desc:*	Sandy silt, trace to some gravel, trace clay, dry to moist, nonplastic to low plasticity (glacial till) very dense Brown

---

36 ***1 of 1*** ***ESE/149.2*** ***151.8*** ***3445 Dundas Street West Oakville ON L6M 4J4*** ***EHS***

Order No.:	20070927006
Report Date:	10/5/2007
Report Type:	CAN - Custom Report

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

Search Radius (km): 0.25
Addit. Info Ordered:

---

37 **1 of 1** **E/216.3** **151.8** **WWIS**

Burlington ON

Well ID:	7180052	*Lot:*	
Concession:		*Concession Name:*	
County:	HALTON	*Municipality:*	OAKVILLE TOWN
Easting Nad83:	597918	*Northing Nad83:*	4808441
Zone:	17	*Utm Reliability:*	margin of error : 30 m - 100 m
Primary Water Use:		*Construction Date:*	25-APR-12
Sec. Water Use:		*Well Depth:*	ft
Pump Rate:		*Static Water Level:*	
Flow Rate:		*Clear/Cloudy:*	
Specific Capacity:		*Final Well Status:*	Abandoned-Other
Construction Method:		*Flowing (y/n):*	
Elevation (m):		*Elevation Reliability:*	
Depth to Bedrock:		*Overburden/Bedrock:*	
Water Type:		*Casing Material:*	

--- Details ---

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

---

38 **1 of 1** **W/277.1** **158.8** **BORE**

ON

Borehole ID:	891214	*Type:*	Borehole
Use:	Geotechnical/Geological Investigation	*Status:*	Decommissioned
Drill Method:	Solid stem auger	*UTM Zone:*	17
Easting:	596230.000	*Northing:*	4808512.000
Location Accuracy:		*Orig. Ground Elev m:*	163.500000
Elev. Reliability Note:		*DEM Ground Elev m:*	165
Total Depth m:	10.800000	*Primary Name:*	
Township:	NELSON	*Concession:*	CON 1 NORTH OF DUNDAS ST
Lot:	LOT 3	*Municipality:*	
Completion Date:	1990-NOV-20	*Static Water Level:*	
Primary Water Use:		*Sec. Water Use:*	

--- Details ---

Stratum ID:	8504137	*Top Depth m:*	0
Bottom Depth m:	8.500000	*Stratum Desc:*	Topsoil. Heterogeneous mixture of clayey silt and sand. Some gravel, dry, low plasticity. CL (Glacial till) Hard. Brown becoming reddish brown
+			
Stratum ID:	8504138	*Top Depth m:*	8.500000
Bottom Depth m:	10.800000	*Stratum Desc:*	Silty sand to sand and silt, some gravel, trace clay (Glacial till) very dense Reddish brown

---

39 **1 of 1** **SSE/296.2** **144.2** **lot 2 con 1 ON** **WWIS**

Well ID:	2800166	*Lot:*	002
Concession:	01	*Concession Name:*	DS S

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

County:	HALTON	*Municipality:*	BURLINGTON CITY
Easting Nad83:	597345.5	*Northing Nad83:*	4807628
Zone:	17	*Utm Reliability:*	unknown UTM
Primary Water Use:	Domestic	*Construction Date:*	26-SEP-51
Sec. Water Use:		*Well Depth:*	50 ft
Pump Rate:	1 GPM	*Static Water Level:*	21 ft
Flow Rate:		*Clear/Cloudy:*	CLEAR
Specific Capacity:		*Final Well Status:*	Water Supply
Construction Method:	Cable Tool	*Flowing (y/n):*	N
Elevation (m):	157.53	*Elevation Reliability:*	
Depth to Bedrock:	15	*Overburden/Bedrock:*	Bedrock
Water Type:	FRESH	*Casing Material:*	FRESH, MINERIAL

--- Details ---

Thickness:	RED	*Original Depth:*	50 ft
Material Colour:	SHALE	*Material:*	35 ft
+			
Thickness:		*Original Depth:*	15 ft
Material Colour:	CLAY	*Material:*	15 ft

Unplottable Summary

DB	Company Name/Site Name	Address	City	Postal
CA	BAYSHIRE INVESTMENTS LIMITED	DUNDAS ST. S.W.M.	OAKVILLE TOWN ON	
CA	The Regional Municipality of Halton	Dundas St	Oakville ON	
CA	The Regional Municipality of Halton	Dundas Street	Burlington ON	
CA	The Regional Municipality of Halton	Dundas Street (Regional Road 5)	Oakville ON	
CA	The Regional Municipality of Halton	Dundas Street at Westlock Common	Burlington ON	
CA	Bronte Woods Community Subdivision (24T-00008/B)	Part of Lot 2, 3 & 4, Conc. 1, South of Dundas St.	Burlington ON	
CA	Bronte Woods Community Subdivision (24T-00008/B)	Part of Lot 2, 3 & 4, Conc. 1, South of Dundas St.	Burlington ON	
CA	Bronte Woods Community Subdivision	Part of Lots 2, 3, 4, Conc. 1, South of Dundas St.	Burlington ON	
CA	Bronte Woods Community Subdivision	Part of Lots 2, 3, 4, Conc. 1, South of Dundas St.	Burlington ON	
CA	SILWELL DEV. LTD.-LOTS 15 & 16, CONC. 1	ST. 'D'/DUNDAS ST.	OAKVILLE TOWN ON	
CA	WESTBURY INTL. (1991) CORP.	PT.LOT 2/C-2, S.DUNDAS ST.,SWM	BURLINGTON CITY ON	
CA	Hanson Brick Ltd.	West Side of Tremaine Rd South Side of No. 1 Sideroad	Burlington ON	
CA	Argo Developments (Alton) Ltd.		Burlington ON	
CA	Argo Developments (Alton) Ltd.		Burlington ON	
CA	Hydro One Networks Inc.	Tremaine Transformer Station Part Lot 1, Conc. , Reference Plan 20R-4656	Burlington ON	
CA	Burl 9 Developments Limited	north of Dundas Street	Burlington ON	
CA	Burl 9 Developments Limited	north of Dundas Street	Burlington ON	

CA	The Corporation of the Town of Oakville	Fourth Lmts South of Dundas Street	Oakville ON
CA	The Corporation of the Town of Oakville	From approx. 90 m North of Dundas Street E to 290 m North of Dundas St E	Oakville ON
EBR	Hanson Brick Ltd.	Tremaine Road	Burlington ON
ECA	The Regional Municipality of Halton	Dundas St	Oakville ON
EHS		Dundas Street West	Oakville ON
SPL	CANADIAN NATIONAL RAILWAY	100 FT WEST OF ROAD CROSS ON HWY 407	BURLINGTON CITY ON
WDS		S. OF DUNDAS ST	OAKVILLE ON
WDS		S. OF DUNDAS ST	OAKVILLE ON
WDS		S. OF DUNDAS ST	OAKVILLE ON
WDS		S. OF DUNDAS ST	OAKVILLE ON
WDS		S. OF DUNDAS ST	OAKVILLE ON
WDS		S. OF DUNDAS ST	OAKVILLE ON
WDS		S. OF DUNDAS ST	OAKVILLE ON
WDS		S. OF DUNDAS ST	OAKVILLE ON
WWIS			ON
WWIS			Burlington ON

Unplottable Report

Site: ***BAYSHIRE INVESTMENTS LIMITED***
DUNDAS ST. S.W.M. OAKVILLE TOWN ON

Database: ***CA***

Certificate #: 3-1481-92-
Application Year: 92
Issue Date: 12/1/1992
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***The Regional Municipality of Halton***
Dundas St Oakville ON

Database: ***CA***

Certificate #: 6286-6YFLLC
Application Year: 2007
Issue Date: 2/15/2007
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***The Regional Municipality of Halton***
Dundas Street Burlington ON

Database: ***CA***

Certificate #: 3064-5NDRHZ
Application Year: 2003
Issue Date: 6/11/2003
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***The Regional Municipality of Halton***
Dundas Street (Regional Road 5) Oakville ON

Database: ***CA***

Certificate #: 7683-8LBNUQ
Application Year: 2011
Issue Date: 9/23/2011
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***The Regional Municipality of Halton***
Dundas Street at Westlock Common Burlington ON

Database: ***CA***

Certificate #: 3329-6PUHSR
Application Year: 2006
Issue Date: 5/19/2006
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: ***Bronte Woods Community Subdivision (24T-00008/B)***
Part of Lot 2, 3 & 4, Conc. 1, South of Dundas St. Burlington ON

Database: ***CA***

Certificate #: 7457-4UBTEK
Application Year: 01
Issue Date: 3/2/01
Approval Type: Municipal & Private water
Status: Approved
Application Type: New Certificate of Approval
Client Name: 671516 Ontario Inc.
Client Address: 1 Yorkdale Road, Suite 510
Client City: North York
Client Postal Code: M6A 3A1
Project Description: Watermains to be constructed on Sutton Drive in Bronte Woods Community Subdivision.
Contaminants:
Emission Control:

Site: ***Bronte Woods Community Subdivision (24T-00008/B)***
Part of Lot 2, 3 & 4, Conc. 1, South of Dundas St. Burlington ON

Database: ***CA***

Certificate #: 3515-4UCJL4
Application Year: 01
Issue Date: 3/2/01

Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name: 671516 Ontario Inc.
Client Address: 1 Yorkdale Road, Suite 510
Client City: North York
Client Postal Code: M6A 3A1
Project Description: Sanitary sewers to be constructed on Sutton Drive in Bronte Woods Community Subdivision
Contaminants:
Emission Control:

Site: ***Bronte Woods Community Subdivision*** ***Database:***
Part of Lots 2, 3, 4, Conc. 1, South of Dundas St. Burlington ON ***CA***

Certificate #: 8494-537M67
Application Year: 01
Issue Date: 10/9/01
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name: 671516 Ontario Inc.
Client Address: 1 Yorkdale Road, Suite 510
Client City: North York
Client Postal Code: M6A 3A1
Project Description: sanitary sewer construction
Contaminants:
Emission Control:

Site: ***Bronte Woods Community Subdivision*** ***Database:***
Part of Lots 2, 3, 4, Conc. 1, South of Dundas St. Burlington ON ***CA***

Certificate #: 4489-537MCV
Application Year: 01
Issue Date: 10/9/01
Approval Type: Municipal & Private water
Status: Approved
Application Type: New Certificate of Approval
Client Name: 671516 Ontario Inc.
Client Address: 1 Yorkdale Road, Suite 510
Client City: North York
Client Postal Code: M6A 3A1
Project Description: Watermain construction.
Contaminants:
Emission Control:

Site: ***SILWELL DEV. LTD.-LOTS 15 & 16, CONC. 1*** ***Database:***
ST. 'D'/DUNDAS ST. OAKVILLE TOWN ON ***CA***

Certificate #: 3-0110-92-
Application Year: 92
Issue Date: 2/12/1992
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:

Project Description:
Contaminants:
Emission Control:

Site: ***WESTBURY INTL. (1991) CORP.***
PT.LOT 2/C-2, S.DUNDAS ST.,SWM BURLINGTON CITY ON

Database: ***CA***

Certificate #:	3-0233-99-
Application Year:	99
Issue Date:	3/23/1999
Approval Type:	Municipal sewage
Status:	Cancelled
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site: ***Hanson Brick Ltd.***
West Side of Tremaine Rd South Side of No. 1 Sideroad Burlington ON

Database: ***CA***

Certificate #:	4408-7AUL75
Application Year:	2008
Issue Date:	2/4/2008
Approval Type:	Industrial Sewage Works
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site: ***Argo Developments (Alton) Ltd.***
Burlington ON

Database: ***CA***

Certificate #:	6915-6RZPBZ
Application Year:	2006
Issue Date:	9/5/2006
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: ***Argo Developments (Alton) Ltd.***

Database: ***CA***

Burlington ON

Certificate #: 3081-6MBM4D
Application Year: 2006
Issue Date: 2/24/2006
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: ***Hydro One Networks Inc.*** ***Database:*** ***CA***
Tremaine Transformer Station Part Lot 1, Conc. , Reference Plan 20R-4656 Burlington ON

Certificate #: 7795-8KKK5C
Application Year: 2011
Issue Date: 9/22/2011
Approval Type: Industrial Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***Burl 9 Developments Limited*** ***Database:*** ***CA***
north of Dundas Street Burlington ON

Certificate #: 2858-7HURTW
Application Year: 2008
Issue Date: 8/26/2008
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***Burl 9 Developments Limited*** ***Database:*** ***CA***
north of Dundas Street Burlington ON

Certificate #: 5543-7HURQQ
Application Year: 2008
Issue Date: 8/26/2008
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:

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

Site: ***The Corporation of the Town of Oakville***
Fourth Lmts South of Dundas Street Oakville ON

Database: ***CA***

Certificate #:	0713-7JMRFS
Application Year:	2008
Issue Date:	9/22/2008
Approval Type:	Municipal and Private Sewage Works
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site: ***The Corporation of the Town of Oakville***
From approx. 90 m North of Dundas Street E to 290 m North of Dundas St E Oakville ON

Database: ***CA***

Certificate #:	4242-7UEH69
Application Year:	2009
Issue Date:	8/4/2009
Approval Type:	Municipal and Private Sewage Works
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site: ***Hanson Brick Ltd.***
Tremaine Road Burlington ON

Database: ***EBR***

Year:	2008
EBR Registry No.:	010-2486
Ministry Ref. No.:	7973-78ZKK7
Type:	Instrument Decision
Instrument Type:	(OWRA s. 53(1)) - Approval for sewage works
Proposal Date:	January 04, 2008
Location:	West Side of Tremaine Road Burlington
Proponent Address:	5155 Dundas Street West Burlington Ontario Canada L7R 3Y2

Site: ***The Regional Municipality of Halton***
Dundas St Oakville ON

Database: ***ECA***

CofA Number:	9133-8PBLUJ
Date:	1/31/2012
Status:	Approved
Project Type:	Municipal and Private Sewage

Site: ***Database:***
Dundas Street West Oakville ON ***EHS***

Order No.:	20101015006
Report Date:	10/25/2010
Report Type:	Custom Report
Search Radius (km):	0.25
Addit. Info Ordered:	Fire Insur. Maps and/or Site Plans; City Directory

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Site: ***CANADIAN NATIONAL RAILWAY*** ***Database:***
100 FT WEST OF ROAD CROSS ON HWY 407 BURLINGTON CITY ON ***SPL***

Ref No.:	223290
Incident Dt:	3/15/2002
MOE Reported Dt:	3/15/2002
Contaminant Name:	
Contaminant Quantity:	
Incident Summary:	CNR:TOTAL OF 1000 L OF DIESEL TO TRACK AND GRD
Incident Cause:	PIPE/HOSE LEAK
Incident Reason:	EQUIPMENT FAILURE
Nature of Impact:	Soil contamination
Receiving Medium:	LAND
Environmental Impact:	POSSIBLE

Site: ***Database:***
S. OF DUNDAS ST OAKVILLE ON ***WDS***

Certificate No.:	A210406
Issue Date:	06/16/1974
Status:	Approved
Application Status:	
Concession:	4 AND 3, SDS
Lot:	34 AND 35, PT. DWG. 467-79-1 AND 467-79-3
Region/County:	
Proponent:	SHELL CANADA LTD. (OAKVILLE)
Address:	OAKVILLE REGINERY, BOX 308
City:	OAKVILLE, ONTARIO
Facility Type:	Landfill
District Office:	Halton-Peel
Municipalities Served:	POPULATION N/A
Total Area (ha):	16.65
Landfill Capacity (m^3):	0
Landfill Monitoring:	
Landfill Control Type:	
Est. Closure Date:	
Transfer Area (ha):	0
Transfer Capacity (m^3):	0
Transfer Sites Certificate No.:	
Incinerator Area (ha):	0
Incinerator Capacity (t):	0
Processing Area (m^3):	0
Processing Capacity (m^3/d):	0
Processing Volume (m^3):	0

Processing Feed (m³):	0
Mobile Units:	
Mobile Description:	
Mobile Capacity:	0
Mobile Unit Certificate No.:	
Waste Type:	non-hazardous solid-industrial, liquid industrial
Waste Type Other:	No
Waste Class:	201
Other Approvals/Permits:	
Approval Description:	
Waste Description:	100% INDUSTRIAL WASTE, TOTOAL 25 - 50 TONNES PER YEAR. DATA TAKEN FROM APPLICATION DATED: 12/1970
Site Closing Description:	THERE IS NO CONDITIONS IN THE CERTIFICATE

Site:

S. OF DUNDAS ST OAKVILLE ON

Database:
WDS

Certificate No.:	A210406
Issue Date:	07/24/1973
Status:	Approved
Application Status:	
Concession:	4 AND 3, SDS
Lot:	34 AND 35, PT. DWG. 467-79-1 AND 467-79-3
Region/County:	
Proponent:	SHELL CANADA LTD. (OAKVILLE)
Address:	OAKVILLE REGINERY, BOX 308
City:	OAKVILLE, ONTARIO
Facility Type:	Landfill
District Office:	Halton-Peel
Municipalities Served:	POPULATION N/A
Total Area (ha):	16.65
Landfill Capacity (m³):	0
Landfill Monitoring:	
Landfill Control Type:	
Est. Closure Date:	
Transfer Area (ha):	0
Transfer Capacity (m³):	0
Transfer Sites Certificate No.:	
Incinerator Area (ha):	0
Incinerator Capacity (t):	0
Processing Area (m³):	0
Processing Capacity (m³/d):	0
Processing Volume (m³):	0
Processing Feed (m³):	0
Mobile Units:	
Mobile Description:	
Mobile Capacity:	0
Mobile Unit Certificate No.:	
Waste Type:	non-hazardous solid-industrial, liquid industrial
Waste Type Other:	No
Waste Class:	201
Other Approvals/Permits:	
Approval Description:	
Waste Description:	100% INDUSTRIAL WASTE, TOTOAL 25 - 50 TONNES PER YEAR. DATA TAKEN FROM APPLICATION DATED: 12/1970
Site Closing Description:	THERE IS NO CONDITIONS IN THE CERTIFICATE

Site:

S. OF DUNDAS ST OAKVILLE ON

Database:
WDS

Certificate No.:	A210406
Issue Date:	01/02/1986
Status:	Approved
Application Status:	
Concession:	4 AND 3, SDS
Lot:	34 AND 35, PT. DWG. 467-79-1 AND 467-79-3
Region/County:	
Proponent:	SHELL CANADA LTD. (OAKVILLE)
Address:	OAKVILLE REGINERY, BOX 308
City:	OAKVILLE, ONTARIO
Facility Type:	Landfill
District Office:	Halton-Peel
Municipalities Served:	POPULATION N/A
Total Area (ha):	16.65
Landfill Capacity (m³):	0
Landfill Monitoring:	
Landfill Control Type:	
Est. Closure Date:	
Transfer Area (ha):	0
Transfer Capacity (m³):	0
Transfer Sites Certificate No.:	
Incinerator Area (ha):	0
Incinerator Capacity (t):	0
Processing Area (m³):	0
Processing Capacity (m³/d):	0
Processing Volume (m³):	0
Processing Feed (m³):	0
Mobile Units:	
Mobile Description:	
Mobile Capacity:	0
Mobile Unit Certificate No.:	
Waste Type:	non-hazardous solid-industrial, liquid industrial
Waste Type Other:	No
Waste Class:	201
Other Approvals/Permits:	
Approval Description:	
Waste Description:	100% INDUSTRIAL WASTE, TOTOAL 25 - 50 TONNES PER YEAR. DATA TAKEN FROM APPLICATION DATED: 12/1970
Site Closing Description:	THERE IS 1 CONDITION IN THE CERTIFICATE AND ALSO SCHEDULE "A" IS ATTACHED.

Site:

S. OF DUNDAS ST OAKVILLE ON

Database:
WDS

Certificate No.:	A210406
Issue Date:	08/31/1976
Status:	Approved
Application Status:	
Concession:	4 AND 3, SDS
Lot:	34 AND 35, PT. DWG. 467-79-1 AND 467-79-3
Region/County:	
Proponent:	SHELL CANADA LTD. (OAKVILLE)
Address:	OAKVILLE REGINERY, BOX 308
City:	OAKVILLE, ONTARIO
Facility Type:	Landfill
District Office:	Halton-Peel
Municipalities Served:	POPULATION N/A
Total Area (ha):	16.65
Landfill Capacity (m³):	0
Landfill Monitoring:	
Landfill Control Type:	
Est. Closure Date:	
Transfer Area (ha):	0

Transfer Capacity (m³):	0
Transfer Sites Certificate No.:	
Incinerator Area (ha):	0
Incinerator Capacity (t):	0
Processing Area (m³):	0
Processing Capacity (m³/d):	0
Processing Volume (m³):	0
Processing Feed (m³):	0
Mobile Units:	
Mobile Description:	
Mobile Capacity:	0
Mobile Unit Certificate No.:	
Waste Type:	non-hazardous solid-industrial, liquid industrial
Waste Type Other:	No
Waste Class:	201
Other Approvals/Permits:	
Approval Description:	
Waste Description:	100% INDUSTRIAL WASTE, TOTOAL 25 - 50 TONNES PER YEAR. DATA TAKEN FROM APPLICATION DATED: 12/1970
Site Closing Description:	THERE IS NO CONDITIONS IN THE CERTIFICATE

Site:

S. OF DUNDAS ST OAKVILLE ON

Database:
WDS

Certificate No.:	A210406
Issue Date:	08/10/1971
Status:	Approved
Application Status:	
Concession:	4 AND 3, SDS
Lot:	34 AND 35, PT. DWG. 467-79-1 AND 467-79-3
Region/County:	
Proponent:	SHELL CANADA LTD. (OAKVILLE)
Address:	OAKVILLE REGINERY, BOX 308
City:	OAKVILLE, ONTARIO
Facility Type:	Landfill
District Office:	Halton-Peel
Municipalities Served:	POPULATION N/A
Total Area (ha):	16.65
Landfill Capacity (m³):	0
Landfill Monitoring:	
Landfill Control Type:	
Est. Closure Date:	
Transfer Area (ha):	0
Transfer Capacity (m³):	0
Transfer Sites Certificate No.:	
Incinerator Area (ha):	0
Incinerator Capacity (t):	0
Processing Area (m³):	0
Processing Capacity (m³/d):	0
Processing Volume (m³):	0
Processing Feed (m³):	0
Mobile Units:	
Mobile Description:	
Mobile Capacity:	0
Mobile Unit Certificate No.:	
Waste Type:	non-hazardous solid-industrial, liquid industrial
Waste Type Other:	No
Waste Class:	201
Other Approvals/Permits:	
Approval Description:	
Waste Description:	100% INDUSTRIAL WASTE, TOTOAL 25 - 50 TONNES PER YEAR. DATA TAKEN FROM APPLICATION DATED: 12/1970

Site Closing Description: THERE IS NO CONDITIONS IN THE CERTIFICATE

Site:
S. OF DUNDAS ST OAKVILLE ON

Database:
WDS

Certificate No.: A210406
Issue Date: 04/17/1980
Status: Approved
Application Status:
Concession: 4 AND 3, SDS
Lot: 34 AND 35, PT. DWG. 467-79-1 AND 467-79-3
Region/County:
Proponent: SHELL CANADA LTD. (OAKVILLE)
Address: OAKVILLE REGINERY, BOX 308
City: OAKVILLE, ONTARIO
Facility Type: Landfill
District Office: Halton-Peel
Municipalities Served: POPULATION N/A
Total Area (ha): 16.65
Landfill Capacity (m^3): 0
Landfill Monitoring:
Landfill Control Type:
Est. Closure Date:
Transfer Area (ha): 0
Transfer Capacity (m^3): 0
Transfer Sites Certificate No.:
Incinerator Area (ha): 0
Incinerator Capacity (t): 0
Processing Area (m^3): 0
Processing Capacity (m^3/d): 0
Processing Volume (m^3): 0
Processing Feed (m^3): 0
Mobile Units:
Mobile Description:
Mobile Capacity: 0
Mobile Unit Certificate No.:
Waste Type: non-hazardous solid-industrial, liquid industrial
Waste Type Other: No
Waste Class: 201
Other Approvals/Permits:
Approval Description:
Waste Description: 100% INDUSTRIAL WASTE, TOTOAL 25 - 50 TONNES PER YEAR. DATA TAKEN FROM APPLICATION DATED: 12/1970
Site Closing Description: THERE ARE 2 CONDITIONS IN THE CERTIFICATE AND THERE IS ALSO THE SCHEDULE "B".

Site:
S. OF DUNDAS ST OAKVILLE ON

Database:
WDS

Certificate No.: A210406
Issue Date: 07/06/1972
Status: Approved
Application Status:
Concession: 4 AND 3, SDS
Lot: 34 AND 35, PT. DWG. 467-79-1 AND 467-79-3
Region/County:
Proponent: SHELL CANADA LTD. (OAKVILLE)
Address: OAKVILLE REGINERY, BOX 308
City: OAKVILLE, ONTARIO
Facility Type: Landfill

District Office:	Halton-Peel
Municipalities Served:	POPULATION N/A
Total Area (ha):	16.65
Landfill Capacity (m³):	0
Landfill Monitoring:	
Landfill Control Type:	
Est. Closure Date:	
Transfer Area (ha):	0
Transfer Capacity (m³):	0
Transfer Sites Certificate No.:	
Incinerator Area (ha):	0
Incinerator Capacity (t):	0
Processing Area (m³):	0
Processing Capacity (m³/d):	0
Processing Volume (m³):	0
Processing Feed (m³):	0
Mobile Units:	
Mobile Description:	
Mobile Capacity:	0
Mobile Unit Certificate No.:	
Waste Type:	non-hazardous solid-industrial, liquid industrial
Waste Type Other:	No
Waste Class:	201
Other Approvals/Permits:	
Approval Description:	
Waste Description:	100% INDUSTRIAL WASTE, TOTOAL 25 - 50 TONNES PER YEAR. DATA TAKEN FROM APPLICATION DATED: 12/1970
Site Closing Description:	THERE IS NO CONDITIONS IN THE CERTIFICATE

Site:

S. OF DUNDAS ST OAKVILLE ON

Database:
WDS

Certificate No.:	A210406
Issue Date:	10/10/1975
Status:	Approved
Application Status:	
Concession:	4 AND 3, SDS
Lot:	34 AND 35, PT. DWG. 467-79-1 AND 467-79-3
Region/County:	
Proponent:	SHELL CANADA LTD. (OAKVILLE)
Address:	OAKVILLE REGINERY, BOX 308
City:	OAKVILLE, ONTARIO
Facility Type:	Landfill
District Office:	Halton-Peel
Municipalities Served:	POPULATION N/A
Total Area (ha):	16.65
Landfill Capacity (m³):	0
Landfill Monitoring:	
Landfill Control Type:	
Est. Closure Date:	
Transfer Area (ha):	0
Transfer Capacity (m³):	0
Transfer Sites Certificate No.:	
Incinerator Area (ha):	0
Incinerator Capacity (t):	0
Processing Area (m³):	0
Processing Capacity (m³/d):	0
Processing Volume (m³):	0
Processing Feed (m³):	0
Mobile Units:	
Mobile Description:	
Mobile Capacity:	0

Mobile Unit Certificate No.:	
Waste Type:	non-hazardous solid-industrial, liquid industrial
Waste Type Other:	No
Waste Class:	201
Other Approvals/Permits:	
Approval Description:	
Waste Description:	100% INDUSTRIAL WASTE, TOTOAL 25 - 50 TONNES PER YEAR. DATA TAKEN FROM APPLICATION DATED: 12/1970
Site Closing Description:	THERE IS NO CONDITIONS IN THE CERTIFICATE

Site:
ON

Database:
WWIS

Well ID:	7135531	*Lot:*	
Concession:		*Concession Name:*	
County:	HALTON	*Municipality:*	OAKVILLE TOWN
Easting Nad83:	794622	*Northing Nad83:*	4327128
Zone:		*Utm Reliability:*	unknown UTM
Primary Water Use:		*Construction Date:*	06-APR-09
Sec. Water Use:		*Well Depth:*	
Pump Rate:		*Static Water Level:*	
Flow Rate:		*Clear/Cloudy:*	
Specific Capacity:		*Final Well Status:*	
Construction Method:		*Flowing (y/n):*	
Elevation (m):		*Elevation Reliability:*	
Depth to Bedrock:		*Overburden/Bedrock:*	
Water Type:		*Casing Material:*	Not stated

Site:
Burlington ON

Database:
WWIS

Well ID:	7180048	*Lot:*	
Concession:		*Concession Name:*	
County:		*Municipality:*	
Easting Nad83:		*Northing Nad83:*	
Zone:		*Utm Reliability:*	unknown UTM
Primary Water Use:		*Construction Date:*	25-APR-12
Sec. Water Use:		*Well Depth:*	ft
Pump Rate:		*Static Water Level:*	
Flow Rate:		*Clear/Cloudy:*	
Specific Capacity:		*Final Well Status:*	Abandoned-Other
Construction Method:		*Flowing (y/n):*	
Elevation (m):		*Elevation Reliability:*	
Depth to Bedrock:		*Overburden/Bedrock:*	
Water Type:		*Casing*	

Material:

--- Details ---
Thickness:
Material Colour:

Original Depth: ft
Material: ft

Appendix: Database Descriptions

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

Abandoned Aggregate Inventory: Provincial AAGR

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

Government Publication Date: Sept 2002*

Aggregate Inventory: Provincial AGR

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

Government Publication Date: Up to Aug 2012

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-Jan 2014

Anderson's Waste Disposal Sites: Private ANDR

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

Government Publication Date: 1860s-Present

Automobile Wrecking & Supplies: Private AUWR

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

Government Publication Date: 2001-Jun 2010

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-Aug 2011

Certificates of Approval: Provincial CA

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

Government Publication Date: 1985-Oct 30, 2011*

Commercial Fuel Oil Tanks: Provincial CFOT

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

Government Publication Date: 1948-Apr 2013

Chemical Register: Private CHEM

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

Government Publication Date: 1992, 1999-Jun 2010

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

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

Government Publication Date: Apr 1987 and Nov 1988*

Compliance and Convictions: Provincial CONV

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

Government Publication Date: 1989-Feb 2014

Certificates of Property Use: Provincial CPU

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

Government Publication Date: 1994-Aug 2014

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-Jan 2014

Environmental Activity and Sector Registry: Provincial EASR

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

Government Publication Date: Oct 31 2011-Aug 2014

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-Aug 2014

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 CofA's 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 31, 2011-Aug 2014

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

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

Government Publication Date: 1999-Mar 2013

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*

List of TSSA Expired Facilities: Provincial EXP

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

Government Publication Date: Current to May 2013

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

Government Publication Date: June 2000-Jul 2014

Fisheries & Oceans Fuel Tanks: Federal FOFT

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

Government Publication Date: 1964-Sept 2003

Fuel Storage Tank: Provincial FST

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

Government Publication Date: 2010-May 2013

Fuel Storage Tank - Historic: Provincial FSTH

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

Government Publication Date: Pre-Jan 2010*

Ontario Regulation 347 Waste Generators Summary: Provincial GEN

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

Government Publication Date: 1986-Apr 2014

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 all aboveground & underground fuel storage tanks located on both federal and crown land. Our inventory provides information on the reserve name, location, facility type, site/facility name, tank type, material & ID number, tank contents & capacity, and date of tank installation.

Government Publication Date: 1950-Aug 2003*

TSSA Incidents: Provincial INC

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

Government Publication Date: June 2009-Apr 2013

Landfill Inventory Management Ontario: Provincial LIMO

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

Government Publication Date: 2012

Canadian Mine Locations: Private MINE

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

Government Publication Date: 1998-2009

Mineral Occurrences: Provincial MNR

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

Government Publication Date: 1846-Apr 2013

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

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

Government Publication Date: 1974-1994*

Non-Compliance Reports: Provincial NCPL

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

Government Publication Date: 1994-2012

National Defence & Canadian Forces Fuel Tanks: Federal NDFT

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

Government Publication Date: Up to May 2001*

National Defence & Canadian Forces Spills: Federal NDSP

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

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 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 all previous Environment Canada spill datasets. NEES is composed of the historic datasets ' or Trends ' which dates from approximately 1974 to present. NEES Trends is a compilation of historic databases, which were merged and includes data from NATES (National Analysis of Trends in Emergencies System), ARTS (Atlantic Regional Trends System), and NEES. In 2001, the Emergencies Program determined that variations in reporting regimes and requirements between federal and provincial agencies made national spill reporting and trend analysis difficult to achieve. As a consequence, the department has focused efforts on capturing data on spills of substances which fall under its legislative authority only (CEPA and FA). As such, the NEES database will be decommissioned in December 2004.

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. All federal out-of-service PCB containing equipment and all PCB waste owned by the federal government or by federally regulated industries such as airlines, railway companies, broadcasting companies, telephone and telecommunications companies, pipeline companies, etc. are also listed. Although it is not Environment Canada's mandate to collect data on non-federal PCB waste, the National PCB inventory includes some information on provincial and private PCB waste and storage sites. 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: 1993-2012

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-Jun 2014

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, well cap date, licence no., status, depth and the primary target (rock unit) of the well being drilled. All geology/stratigraphy table information, plus all water table information is also provide for each well record.

Government Publication Date: 1800-2013

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

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-Aug 2014

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

Government Publication Date: 1920-Jan 2005*

Pesticide Register: Provincial PES

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

Government Publication Date: 1988-Jun 2013

TSSA Pipeline Incidents: Provincial PINC

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

Government Publication Date: June 2009-Mar 2012

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-Aug 2014

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: 1986-2012

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-Aug 2014

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-Jun 2010

Scott's Manufacturing Directory: Private SCT

Scott's Directories is a data bank containing information on over 200,000 manufacturers across Canada. Even though Scott's listings are voluntary, it is the most comprehensive database of Canadian manufacturers available. Information concerning a company's address, plant size, and main products are included in this database.

Government Publication Date: 1992-Mar 2011

Ontario Spills: Provincial SPL

This database identifies information such as location (approximate), type and quantity of contaminant, date of spill, environmental impact, cause, nature of impact, etc. Information from 1988-2002 was part of the ORIS (Occurrence Reporting Information System). The SAC (Spills Action Centre) handles all spills reported in Ontario. Regulations for spills in Ontario are part of the MOE's Environmental Protection Act, Part X.

Government Publication Date: 1988-Feb 2014

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: 1990-2011

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

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

Government Publication Date: 1970-Mar 2007

TSSA Variances for Abandonment of Underground Storage Tanks: Provincial VAR

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

Government Publication Date: Current to Jun 2013

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-Aug 2014

Waste Disposal Sites - MOE 1991 Historical Approval Inventory: Provincial WDSH

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

Government Publication Date: Up to Oct 1990*

Water Well Information System: Provincial WWIS

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

Government Publication Date: 1955-Mar 2014

Definitions

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

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

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

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

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

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

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

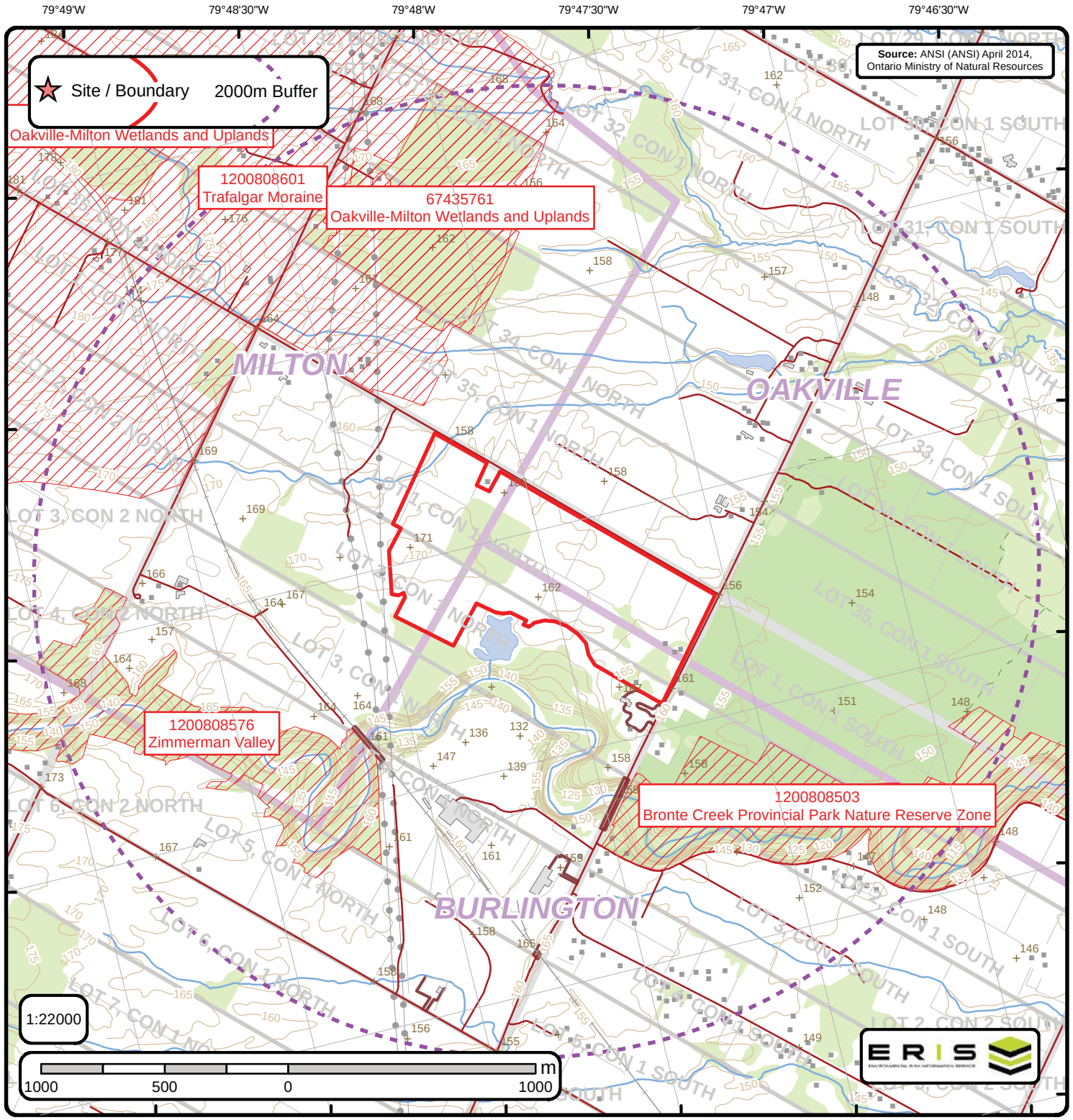
'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

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

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

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

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



Area of Natural & Scientific Interest (ANSI) Order No. 20140912055

Spot Height	Transportation Structure	Contour Line	Wooded Area
Building Point	Utility Line	Pit or Quarry	Conservation Authority
Towers	Water Structure	Waterbody	Conservation Area
Utility Site Point	Drainage Line Feature	Wetlands	Municipal Park
Misc. Line	River or Stream	Concession	Provincial Park
Railroads	Airports	Lots	National Park
Roads	Tanks	Municipalitiy	Nature Reserve
Trail	Building to Scale	Land Ownership	ANSI Area

ANSI Report

ANSI Units Found within 2000 m of

3232 Tremaine Rd, 5421 - 5463 Dundas St, Burlington, ON

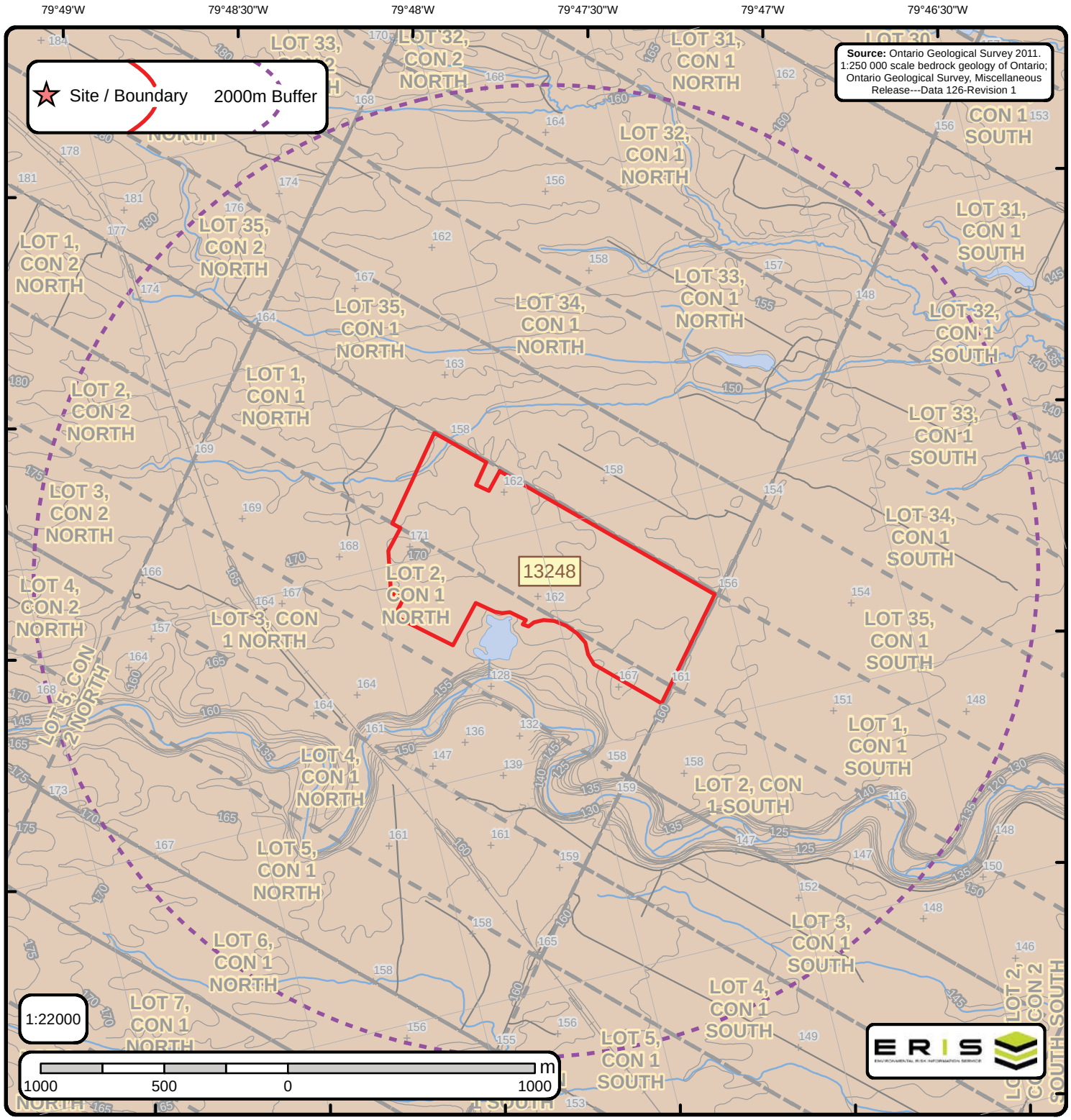
Order ID: 20140912055

ANSI Name: Zimmerman Valley |
Type: ANSI, Life Science | **Significance:** Regional | **Management Plan:** Yes | **Area (sqm):** 623184.816 | **Comments:** This mapping represents external boundries only. Reference should be made to the individual ANSI file for the ANSI inventory (planning section MNR Aurora). Less accurate mapping is available on 1:50,000 white prints?.followed by NHIC'S ANSI 'description'

ANSI Name: Oakville-Milton Wetlands and Uplands |
Type: Candidate ANSI, Life Science | **Significance:** Provincial | **Management Plan:** | **Area (sqm):** 2793608.144 | **Comments:**

ANSI Name: Bronte Creek Provincial Park Nature Reserve Zone |
Type: ANSI, Life Science | **Significance:** Provincial | **Management Plan:** Yes | **Area (sqm):** 1949492.534 | **Comments:** This mapping represents external boundries only. Reference should be made to the individual ANSI file for the ANSI inventory (planning section MNR Aurora). Less accurate mapping is available on 1:50,000 white prints?.followed by NHIC'S ANSI 'description'

ANSI Name: Trafalgar Moraine |
Type: ANSI, Earth Science | **Significance:** Provincial | **Management Plan:** Yes | **Area (sqm):** 8734118.652 | **Comments:**



Bedrock Geology of Ontario

Order No. 20140912055

Spot Height
Roads
Contour Lines
Streams
Railroads
Lots
Pit or Quarry
Airports
Waterbody
Wetlands

Bedrock Geology Lines

- CONTACT, GEOPHYSICAL, TREND, INTERPRETED
- CONTACT, SHARP, TREND, INTERPRETED
- CONTACT, SHARP, TREND, OBSERVED
- FAULT, DEXTRAL HORIZONTAL COMPONENT, TREND, INTERPRETED, UNKNOWN GENERATION
- FAULT, PROJECTED FAULT, INTERPRETED, UNKNOWN GENERATION
- FAULT, SINISTRAL HORIZONTAL COMPONENT, TREND, INTERPRETED, UNKNOWN GENERATION
- FAULT, SINISTRAL HORIZONTAL COMPONENT, TREND, OBSERVED, UNKNOWN GENERATION
- FAULT, UNKNOWN HORIZONTAL COMPONENT, INCLINED-REVERSE, INTERPRETED, UNKNOWN GENERATION
- FAULT, UNKNOWN HORIZONTAL COMPONENT, INCLINED-REVERSE, OBSERVED, UNKNOWN GENERATION
- FAULT, UNKNOWN HORIZONTAL COMPONENT, TREND, INTERPRETED, UNKNOWN GENERATION
- FAULT, UNKNOWN HORIZONTAL COMPONENT, TREND, OBSERVED, UNKNOWN GENERATION
- NEATLINE
- ONTARIO BORDER
- Marble, chert, iron formation, minor metavolcanic rocks

Dikes

- Abitibi mafic dike
- Biscotasing mafic dike
- Empey Lake mafic dike
- Felsic to intermediate intrusive rocks
- Fort Frances mafic dike
- Frontenac mafic dike
- Grenville mafic dike
- Logan and Nipigon mafic sills
- Mackenzie mafic dike
- Mafic dikes of uncertain age
- Mafic sills and dikes
- Marathon mafic dike
- Marathon, Kapuskasing or Biscotasing mafic dike
- Matachewan mafic dike
- Mine Centre mafic dike
- Molson mafic dike
- North Channel mafic dike
- Pickle Crow mafic dike (Molson swarm) normal
- Pickle Crow mafic dike (Molson swarm) reverse
- Rideau mafic dike
- Sudbury mafic dike
- Ultramafic, gabbroic and granophyric intrusions
- Unsubdivided mafic dike
- Unsubdivided mafic dike (Keweenawan age)
- unknown

C Lines

- FOLD, ANTICLINE, INTERPRETED, UNKNOWN GENERATION
- FOLD, ANTICLINE, OBSERVED, UNKNOWN GENERATION
- FOLD, ANTICLINE, SYNFORMAL, INTERPRETED, SECOND GENERATION
- FOLD, ANTIFORM, INTERPRETED, UNKNOWN GENERATION
- FOLD, SYNCLINE, INTERPRETED, UNKNOWN GENERATION
- FOLD, SYNCLINE, OBSERVED, UNKNOWN GENERATION
- FOLD, SYNFORM, INTERPRETED, UNKNOWN GENERATION

Kimberlite

Bedrock Geology Report

Bedrock Geology units found within 2000 m of

3232 Tremaine Rd, 5421 - 5463 Dundas St, Burlington, ON

Order ID: 20140912055

ID: 13248 | **Unit Name:** |

Type (All): 55a | **Type (Primary):** 55a | **Type (Secondary):** | **Type (Tertiary):** | **Rock Type (Primary):** Shale, limestone, dolostone, siltstone | **Stratus (Primary):** Queenston Formation | **Super Eon (Primary):** | **Eon (Primary):** PHANEROZOIC (Present to 542.0 Ma) | **Era (Primary):** PALEOZOIC (251.0 Ma to 542.0 Ma) | **Period (Primary):** ORDOVICIAN (443.7 Ma to 488.3 Ma) | **Epoch (Primary):** UPPER ORDOVICIAN | **Province (Primary):**

Bedrock Geology Report Metadata

Ontario Geological Survey 2011. 1:250 000 scale bedrock geology of Ontario; Ontario Geological Survey, Miscellaneous Release-Data 126 Revision1

ONTARIO MINISTRY OF NORTHERN DEVELOPMENT, MINES AND FORESTRY

ID - Unit ID **Unit Name** - Generalized geological unit classification

Type (All) - The geological unit number(s) or code(s) for all rock types present in an individual polygon.

Type (Primary) - The primary geological unit number or code for the primary rock type in an individual polygon

Type (Secondary) - The secondary geological unit number or code for the secondary rock type, if present, in an individual polygon

Type (Tertiary) - The tertiary geological unit number or code for the tertiary rock type, if present, in an individual polygon

Rock Type (Primary) - Rock type or sub-unit description

Status (Primary) - The Stratigraphic unit. Divided into:

```
Supergroup (two or more groups and lone formations)
Group (two or more formations)
Formation (primary unit of lithostratigraphy)
Member (named lithologic subdivision of a formation)
Bed (named distinctive layer in a member or formation)
```

Super Eon (Primary) - A name given to the largest defined unit of geological time, divided into Eons. Unique values which this field may contain (Domains) are:

```
PRECAMBRIAN (0.542 Ga to <3.85 Ga)
```

Eon (Primary) - A name given to a defined unit of geological time, divided into Eras. Unique values which this field may contain (Domains) are:

```
ARCHEAN (2.5 Ga to <3.85 Ga)
PROTEROZOIC (0.542 Ga to 2.50 Ga)
PHANEROZOIC (Present to 542.0 Ma)
```

Era (Primary) - A name given to a defined unit of geological time, divided into Periods. Each era on the scale is separated from the next by a major event or change. Unique values which this field may contain (Domains) are:

```
MESOARCHEAN (2.8 Ga to 3.2 Ga)                MESOPROTEROZOIC (1.0 Ga to 1.6 Ga)
NEO-TO MESOARCHEAN (2.5 Ga to 3.2 Ga)         EARLY PALEOZOIC TO NEOPROTEROZOIC (443.7 Ma to 1.0 Ga)
NEOARCHEAN (2.5 Ga to 2.8 Ga)                 NEO-TO MESOPROTEROZOIC (0.542 Ga to 1.6 Ga)
PALEOPROTEROZOIC (1.6 Ga to 2.5 Ga)           PALEOZOIC (251.0 Ma to 542.0 Ma)
MESO-TO PALEOPROTEROZOIC (1.0 Ga to 2.5 Ga)   MESOZOIC (65.5 Ma to 251.0 Ma)
```

Period (Primary) - A name given to a defined unit of geological time, divided into Epochs. Unique values which this field may contain (Domains) are:

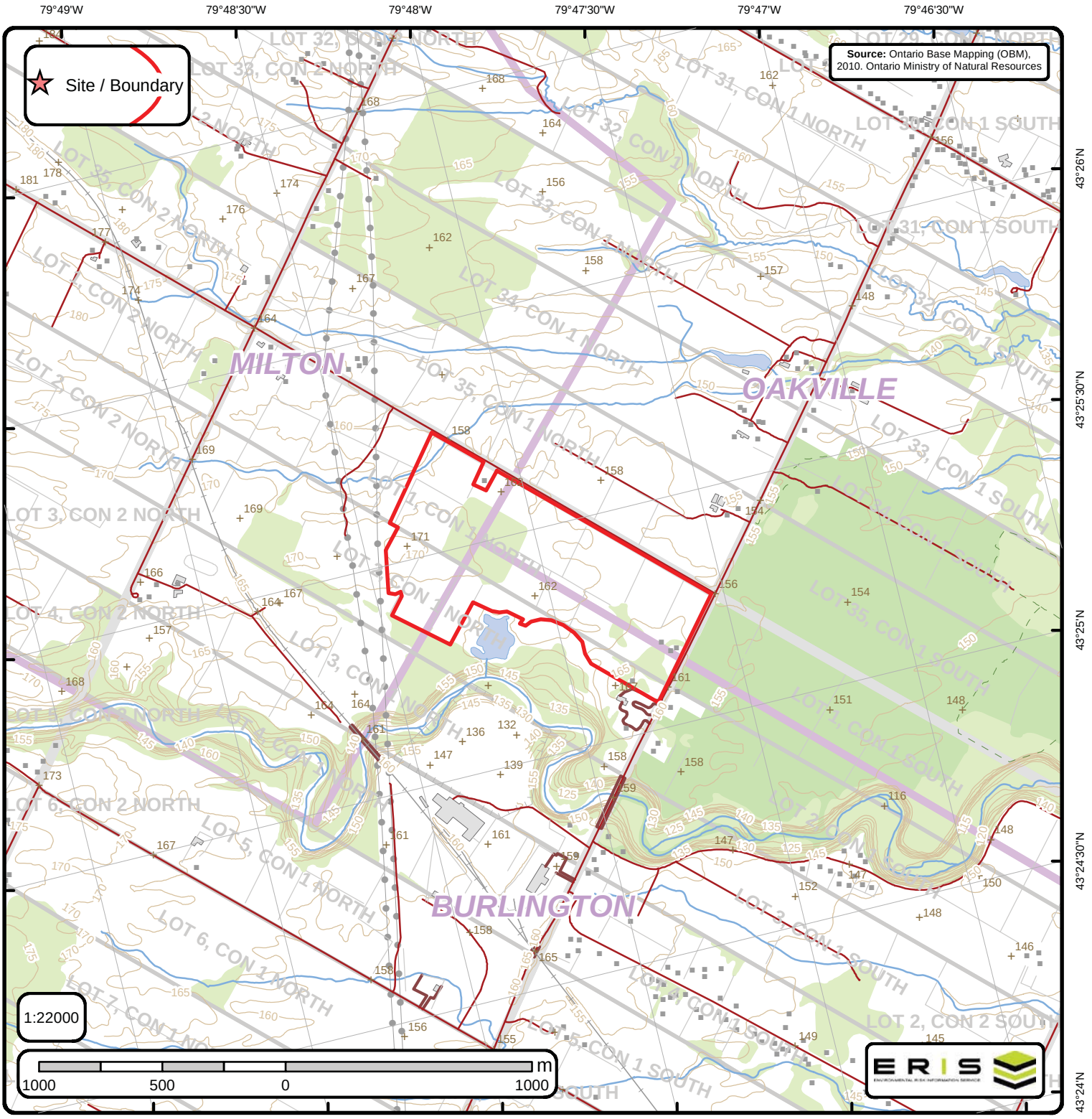
```
CAMBRIAN (488.3 Ma to 542.0 Ma)
ORDOVICIAN (443.7 Ma to 488.3 Ma)
SILURIAN (416.0 Ma to 443.7 Ma)
DEVONIAN (359.2 Ma to 416.0 Ma)
MISSISSIPPIAN TO DEVONIAN (318.1 Ma to 416.0 Ma)
JURASSIC (145.5 Ma to 199.6 Ma)
CRETACEOUS AND JURASSIC (65.5 Ma to 199.6 Ma)
```

Epoch (Primary) - A name given to a defined unit of geological time. Unique values which this field may contain (Domains) are:

```
LOWER ORDOVICIAN                    UPPER SILURIAN
MIDDLE ORDOVICIAN                   LOWER DEVONIAN
UPPER ORDOVICIAN                    MIDDLE DEVONIAN
MIDDLE AND LOWER SILURIAN           UPPER DEVONIAN
UPPER SILURIAN TO LOWER DEVONIAN    LOWER CRETACEOUS AND MIDDLE JURASSIC
```

Province (Primary) - The Geological Province the geological unit is in. Unique values which this field may contain (Domains) are:

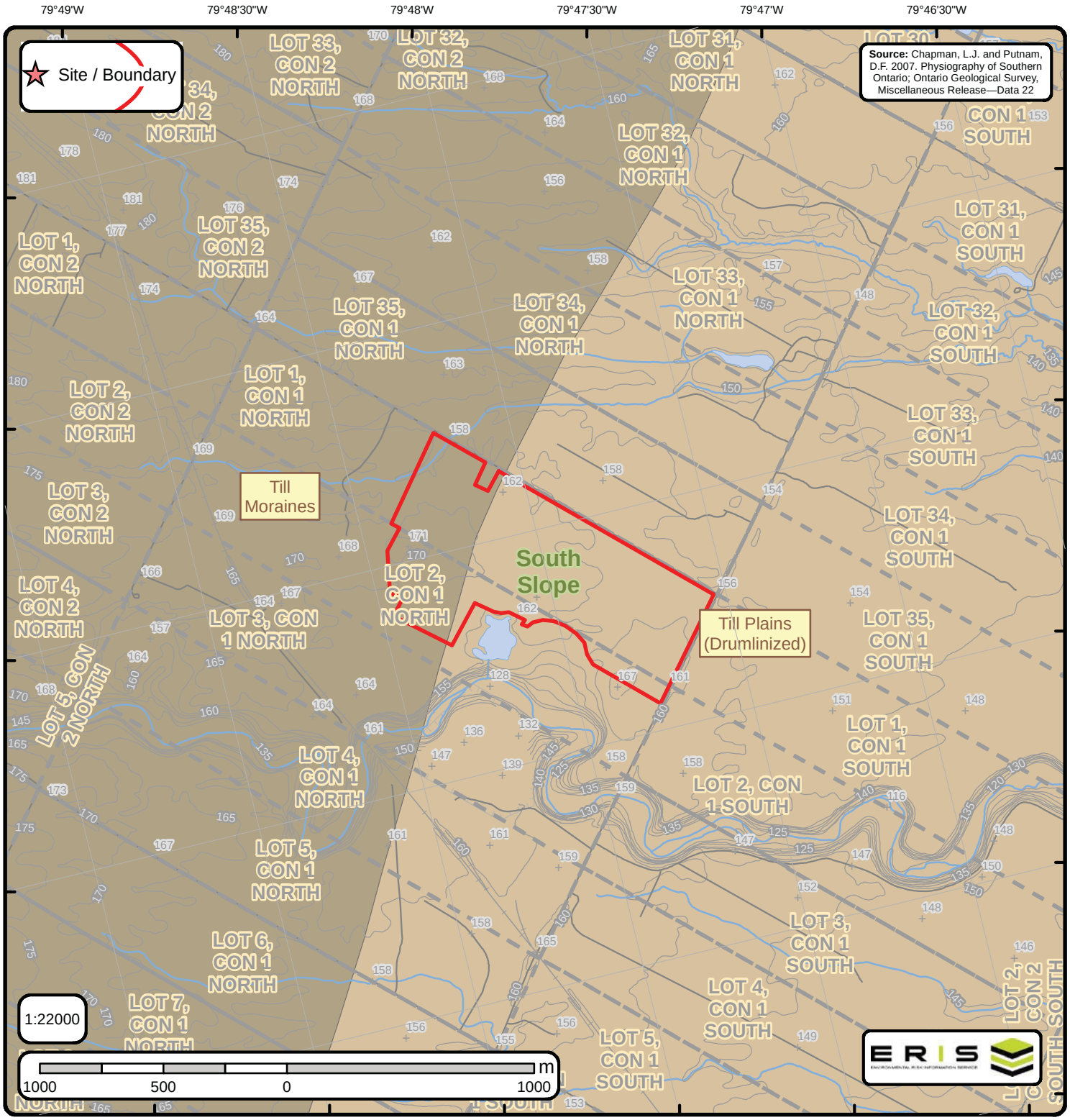
```
SUPERIOR
SOUTHERN
SUPERIOR
GRENVILLE
```



Ontario Base Mapping (OBM) Data

Order No. 20140912055

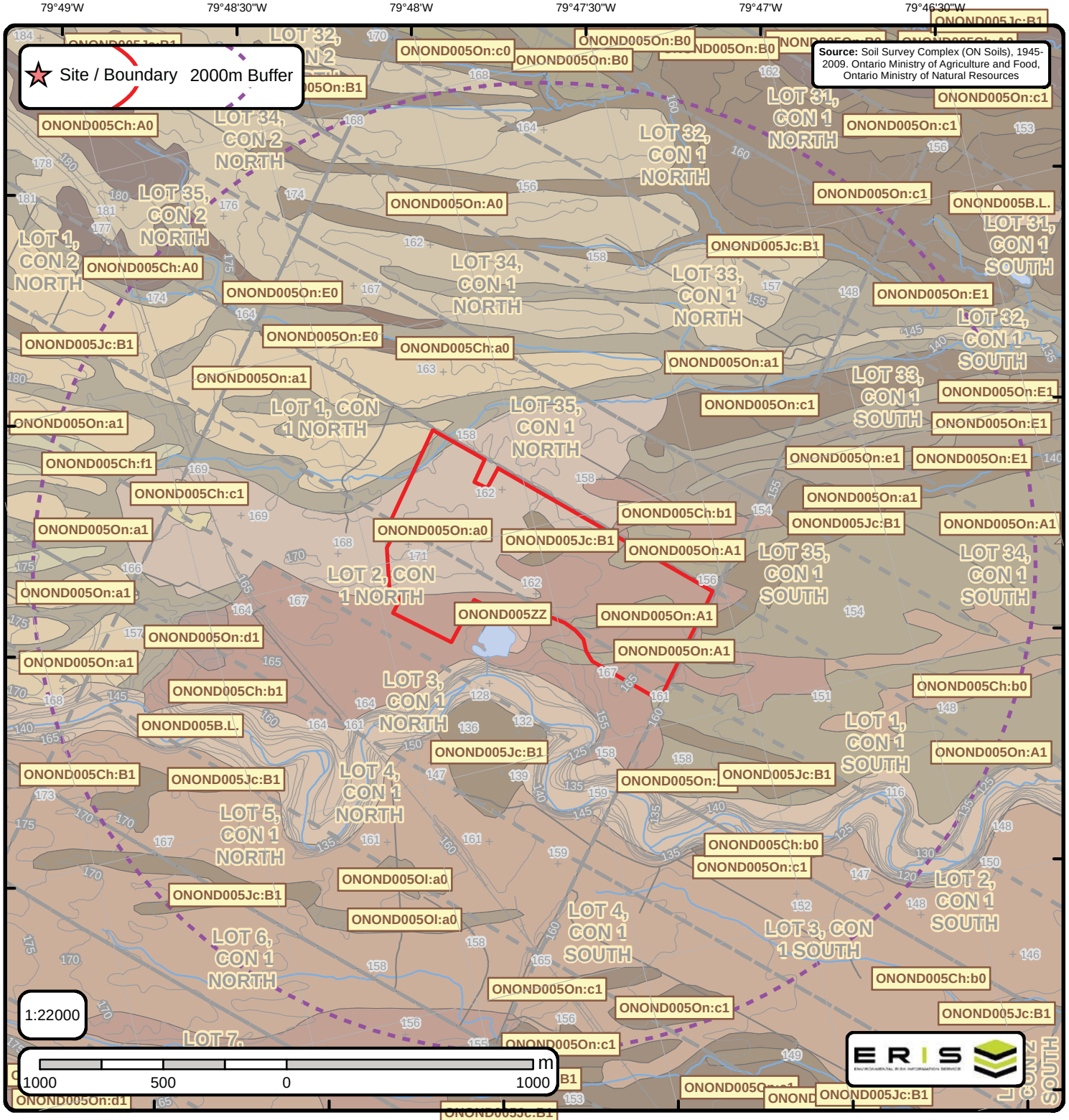
- Spot Height (metre)
- Building Point
- Towers
- Utility Site Point
- Misc. Line
- Railroads
- Roads
- Trail
- Transportation Structure
- Utility Line
- Water Structure
- Drainage Line Feature
- River or Stream
- Airports
- Tanks
- Building to Scale
- Contour Line
- Pit or Quarry
- Waterbody
- Wetlands
- Concession
- Lots
- Municipalitiy
- Land Ownership
- Wooded Area
- Conservation Authority
- Conservation Area
- Municipal Park
- Provincial Park
- National Park
- Nature Reserve



Physiography of Southern Ontario

Order No. 20140912055

- Spot Height
- Roads
- Railroads
- Contour Lines
- Streams
- Lots
- Pit or Quarry
- Airports
- Wetlands
- Waterbody
- Boulder Pavement
- Dissected Terrain
- Mud Flow Scars
- Sand Dunes
- escarpment
- shorecliff
- shorecliff (weakly developed)
- Physiography Regions
- Bare Rock Ridges And Shallow Till
- Beaches
- Bevelled Till Plains
- Clay Plains
- Drumlins
- Escarpments
- Eskers
- Kame Moraines
- Limestone Plains
- Peat And Muck
- Sand Plains
- Shale Plains
- Shallow Till And Rock Ridges
- Spillways
- Till Moraines
- Till Plains (Drumlinized)
- Till Plains (Undrumlinized)



Soil Survey Complex (ON Soils)

Order No. 20140912055

- Spot Height
- Railroads
- Roads
- Contour Lines
- Streams
- Lots
- Pit or Quarry
- Airports
- Wetlands
- Waterbody

Soils Report

Soil Map Units Found within 2000 m of
3232 Tremaine Rd, 5421 - 5463 Dundas St, Burlington, ON

Map Unit: ONOND005On:c1 **Soil Complex:** 1 of 1 **Area (sq m):** 97292.203125
Soil Type: ONOID___ | **Percent:** 100 | **Code:** OID | **Name:** ONEIDA CLAY LOAM | **Symbol:** On | **Parent Material:** | **Landscape:** | **Slope:** 3.500000 | **Class:** C | **Range:** 2 - 5 | **Stoniness:** 1 | **CLI:** 1 | **CLI1:** | **CLI2:** | **Survey:** PEEL | **Drainage:** W | **Hydro:** C | **Texture:** CL | **Modifier:** ___

Map Unit: ONOND005On:c1 **Soil Complex:** 1 of 1 **Area (sq m):** 55477.1015625
Soil Type: ONOID___ | **Percent:** 100 | **Code:** OID | **Name:** ONEIDA CLAY LOAM | **Symbol:** On | **Parent Material:** | **Landscape:** | **Slope:** 3.500000 | **Class:** C | **Range:** 2 - 5 | **Stoniness:** 1 | **CLI:** 1 | **CLI1:** | **CLI2:** | **Survey:** PEEL | **Drainage:** W | **Hydro:** C | **Texture:** CL | **Modifier:** ___

Map Unit: ONOND005On:c1 **Soil Complex:** 1 of 1 **Area (sq m):** 32440.4003906
Soil Type: ONOID___ | **Percent:** 100 | **Code:** OID | **Name:** ONEIDA CLAY LOAM | **Symbol:** On | **Parent Material:** | **Landscape:** | **Slope:** 3.500000 | **Class:** C | **Range:** 2 - 5 | **Stoniness:** 1 | **CLI:** 1 | **CLI1:** | **CLI2:** | **Survey:** PEEL | **Drainage:** W | **Hydro:** C | **Texture:** CL | **Modifier:** ___

Map Unit: ONOND005Ch:b1 **Soil Complex:** 1 of 1 **Area (sq m):** 404533.0
Soil Type: ONCGU___ | **Percent:** 100 | **Code:** CGU | **Name:** CHINGUACOUSY CLAY LOAM | **Symbol:** Ch | **Parent Material:** | **Landscape:** | **Slope:** 1.200000 | **Class:** b | **Range:** 0.5 - 2 | **Stoniness:** 1 | **CLI:** 1 | **CLI1:** | **CLI2:** | **Survey:** HALTON | **Drainage:** I | **Hydro:** C | **Texture:** CL | **Modifier:** ___

Map Unit: ONOND005On:c1 **Soil Complex:** 1 of 1 **Area (sq m):** 23256.4003906
Soil Type: ONOID___ | **Percent:** 100 | **Code:** OID | **Name:** ONEIDA CLAY LOAM | **Symbol:** On | **Parent Material:** | **Landscape:** | **Slope:** 3.500000 | **Class:** C | **Range:** 2 - 5 | **Stoniness:** 1 | **CLI:** 1 | **CLI1:** | **CLI2:** | **Survey:** PEEL | **Drainage:** W | **Hydro:** C | **Texture:** CL | **Modifier:** ___

Map Unit: ONOND005Ch:b0 **Soil Complex:** 1 of 1 **Area (sq m):** 16724.1992188
Soil Type: ONCGU___ | **Percent:** 100 | **Code:** CGU | **Name:** CHINGUACOUSY CLAY LOAM | **Symbol:** Ch | **Parent Material:** | **Landscape:** | **Slope:** 1.200000 | **Class:** b | **Range:** 0.5 - 2 | **Stoniness:** 0 | **CLI:** 1 | **CLI1:** | **CLI2:** | **Survey:** HALTON | **Drainage:** I | **Hydro:** C | **Texture:** CL | **Modifier:** ___

Map Unit: ONOND005Ol:a0 **Soil Complex:** 1 of 1 **Area (sq m):** 61714.3007813
Soil Type: ONOID___ | **Percent:** 100 | **Code:** OID | **Name:** ONEIDA LOAM | **Symbol:** Ol | **Parent Material:** | **Landscape:** | **Slope:** 0.200000 | **Class:** a | **Range:** 0 - 0.5 | **Stoniness:** 0 | **CLI:** 1 | **CLI1:** | **CLI2:** | **Survey:** HALTON | **Drainage:** W | **Hydro:** C | **Texture:** L | **Modifier:** ___

Map Unit: ONOND005Ol:a0 **Soil Complex:** 1 of 1 **Area (sq m):** 33779.6992188
Soil Type: ONOID___ | **Percent:** 100 | **Code:** OID | **Name:** ONEIDA LOAM | **Symbol:** Ol | **Parent Material:** | **Landscape:** | **Slope:** 0.200000 | **Class:** a | **Range:** 0 - 0.5 | **Stoniness:** 0 | **CLI:** 1 | **CLI1:** | **CLI2:** | **Survey:** HALTON | **Drainage:** W | **Hydro:** C | **Texture:** L | **Modifier:** ___

Map Unit: ONOND005Jc:B1 **Soil Complex:** 1 of 1 **Area (sq m):** 102475.0
Soil Type: ONJDD___ | **Percent:** 100 | **Code:** JDD | **Name:** JEDDO CLAY LOAM | **Symbol:** Jc | **Parent Material:** | **Landscape:** | **Slope:** 1.200000 | **Class:** B | **Range:** 0.5 - 2 | **Stoniness:** 1 | **CLI:** 3 | **CLI1:** D | **CLI2:** W | **Survey:** PEEL | **Drainage:** P | **Hydro:** D | **Texture:** CL | **Modifier:** ___

Map Unit: ONOND005On:A1 **Soil Complex:** 1 of 1 **Area (sq m):** 98839.296875
Soil Type: ONOID___ | **Percent:** 100 | **Code:** OID | **Name:** ONEIDA CLAY LOAM | **Symbol:** On | **Parent Material:** | **Landscape:** | **Slope:** 0.200000 | **Class:** A | **Range:** 0 - 0.5 | **Stoniness:** 1 | **CLI:** 1 | **CLI1:** | **CLI2:** | **Survey:** HALTON | **Drainage:** W | **Hydro:** C | **Texture:** CL | **Modifier:** ___

Map Unit: ONOND005Jc:B1 **Soil Complex:** 1 of 1 **Area (sq m):** 63577.6992188
Soil Type: ONJDD___ | **Percent:** 100 | **Code:** JDD | **Name:** JEDDO CLAY LOAM | **Symbol:** Jc | **Parent Material:** | **Landscape:** | **Slope:** 1.200000 | **Class:** B | **Range:** 0.5 - 2 | **Stoniness:** 1 | **CLI:** 3 | **CLI1:** D | **CLI2:** W | **Survey:** PEEL | **Drainage:** P | **Hydro:** D | **Texture:** CL | **Modifier:** ___

Map Unit: ONOND005On:A1 **Soil Complex:** 1 of 1 **Area (sq m):** 857173.0
Soil Type: ONOID___ | **Percent:** 100 | **Code:** OID | **Name:** ONEIDA CLAY LOAM | **Symbol:** On | **Parent Material:** | **Landscape:** | **Slope:** 0.200000 | **Class:** A | **Range:** 0 - 0.5 | **Stoniness:** 1 | **CLI:** 1 | **CLI1:** | **CLI2:** | **Survey:** HALTON | **Drainage:** W | **Hydro:** C | **Texture:** CL | **Modifier:** ___

Map Unit: ONOND005Jc:B1 **Soil Complex:** 1 of 1 **Area (sq m):** 55752.8007813
Soil Type: ONJDD___ | **Percent:** 100 | **Code:** JDD | **Name:** JEDDO CLAY LOAM | **Symbol:** Jc | **Parent Material:** | **Landscape:** | **Slope:** 1.200000 | **Class:** B | **Range:** 0.5 - 2 | **Stoniness:** 1 | **CLI:** 3 | **CLI1:** D | **CLI2:** W | **Survey:** PEEL | **Drainage:** P | **Hydro:** D | **Texture:** CL | **Modifier:** ___

Map Unit: ONOND005Jc:B1 **Soil Complex:** 1 of 1 **Area (sq m):** 134935.0
Soil Type: ONJDD___ | **Percent:** 100 | **Code:** JDD | **Name:** JEDDO CLAY LOAM | **Symbol:** Jc | **Parent Material:** | **Landscape:** | **Slope:** 1.200000 | **Class:** B | **Range:** 0.5 - 2 | **Stoniness:** 1 | **CLI:** 3 | **CLI1:** D | **CLI2:** W | **Survey:** PEEL | **Drainage:** P | **Hydro:** D | **Texture:** CL | **Modifier:** ___

Map Unit: ONOND005On:A1 **Soil Complex:** 1 of 1 **Area (sq m):** 43014.0
Soil Type: ONOID___ | **Percent:** 100 | **Code:** OID | **Name:** ONEIDA CLAY LOAM | **Symbol:** On | **Parent Material:** | **Landscape:** | **Slope:** 0.200000 | **Class:** A | **Range:** 0 - 0.5 | **Stoniness:** 1 | **CLI:** 1 | **CLI1:** | **CLI2:** | **Survey:** HALTON | **Drainage:** W | **Hydro:** C | **Texture:** CL | **Modifier:** ___

Map Unit: ONOND005On:A1 **Soil Complex:** 1 of 1 **Area (sq m):** 25991.5
Soil Type: ONOID___ | **Percent:** 100 | **Code:** OID | **Name:** ONEIDA CLAY LOAM | **Symbol:** On | **Parent Material:** | **Landscape:** | **Slope:** 0.200000 | **Class:** A | **Range:** 0 - 0.5 | **Stoniness:** 1 | **CLI:** 1 | **CLI1:** | **CLI2:** | **Survey:** HALTON | **Drainage:** W | **Hydro:** C | **Texture:** CL | **Modifier:** ___

Map Unit: ONOND005ZZ **Soil Complex:** 1 of 1 **Area (sq m):** 21802.5996094
Soil Type: ONZZZ___ | **Percent:** 100 | **Code:** ZZZ | **Name:** WATER | **Symbol:** ZZ | **Parent Material:** | **Landscape:** | **Slope:** -9.000000 | **Class:** | **Range:** | **Stoniness:** | **CLI:** W | **CLI1:** | **CLI2:** | **Survey:** HALTON | **Drainage:** WA | **Hydro:** | **Texture:** | **Modifier:** ___

Map Unit: ONOND005On:a1 **Soil Complex:** 1 of 1 **Area (sq m):** 3738.14990234
Soil Type: ONOID___ | **Percent:** 100 | **Code:** OID | **Name:** ONEIDA CLAY LOAM | **Symbol:** On | **Parent Material:** | **Landscape:** | **Slope:** 0.200000 | **Class:** a | **Range:** 0 - 0.5 | **Stoniness:** 1 | **CLI:** 1 | **CLI1:** | **CLI2:** | **Survey:** HALTON | **Drainage:** W | **Hydro:** C | **Texture:** CL | **Modifier:** ___

Map Unit: ONOND005On:d1 **Soil Complex:** 1 of 1 **Area (sq m):** 37342.6015625
Soil Type: ONOID___ | **Percent:** 100 | **Code:** OID | **Name:** ONEIDA CLAY LOAM | **Symbol:** On | **Parent Material:** | **Landscape:** | **Slope:** 7 | **Class:** d | **Range:** 5 - 9 | **Stoniness:** 1 | **CLI:** 3 | **CLI1:** T | **CLI2:** | **Survey:** HALTON | **Drainage:** W | **Hydro:** C | **Texture:** CL | **Modifier:** ___

Map Unit: ONOND005On:A1 **Soil Complex:** 1 of 1 **Area (sq m):** 89682.203125
Soil Type: ONOID___ | **Percent:** 100 | **Code:** OID | **Name:** ONEIDA CLAY LOAM | **Symbol:** On | **Parent Material:** | **Landscape:** | **Slope:** 0.200000 | **Class:** A | **Range:** 0 - 0.5 | **Stoniness:** 1 | **CLI:** 1 | **CLI1:** | **CLI2:** | **Survey:** HALTON | **Drainage:** W | **Hydro:** C | **Texture:** CL | **Modifier:** ___

Map Unit: ONOND005On:E1 **Soil Complex:** 1 of 1 **Area (sq m):** 31591.8007813
Soil Type: ONOID___ | **Percent:** 100 | **Code:** OID | **Name:** ONEIDA CLAY LOAM | **Symbol:** On | **Parent Material:** | **Landscape:** | **Slope:** 12 | **Class:** E | **Range:** 9 - 15 | **Stoniness:** 1 | **CLI:** 4 | **CLI1:** T | **CLI2:** | **Survey:** HALTON | **Drainage:** W | **Hydro:** C | **Texture:** CL | **Modifier:** ___

Map Unit: ONOND005Ch:b0 **Soil Complex:** 1 of 1 **Area (sq m):** 768574.0
Soil Type: ONCGU___ | **Percent:** 100 | **Code:** CGU | **Name:** CHINGUACOUSY CLAY LOAM | **Symbol:** Ch | **Parent Material:** | **Landscape:** | **Slope:** 1.200000 | **Class:** b | **Range:** 0.5 - 2 | **Stoniness:** 0 | **CLI:** 1 | **CLI1:** | **CLI2:** | **Survey:** HALTON | **Drainage:** I | **Hydro:** C | **Texture:** CL | **Modifier:** ___

Map Unit: ONOND005Jc:B1 **Soil Complex:** 1 of 1 **Area (sq m):** 32642.3007813
Soil Type: ONJDD___ | **Percent:** 100 | **Code:** JDD | **Name:** JEDDO CLAY LOAM | **Symbol:** Jc | **Parent Material:** | **Landscape:** | **Slope:** 1.200000 | **Class:** B | **Range:** 0.5 - 2 | **Stoniness:** 1 | **CLI:** 3 | **CLI1:** D | **CLI2:** W | **Survey:** PEEL | **Drainage:** P | **Hydro:** D | **Texture:** CL | **Modifier:** ___

Map Unit: ONOND005On:A1 **Soil Complex:** 1 of 1 **Area (sq m):** 1525850.0
Soil Type: ONOID___ | **Percent:** 100 | **Code:** OID | **Name:** ONEIDA CLAY LOAM | **Symbol:** On | **Parent Material:** | **Landscape:** | **Slope:** 0.200000 | **Class:** A | **Range:** 0 - 0.5 | **Stoniness:** 1 | **CLI:** 1 | **CLI1:** | **CLI2:** | **Survey:** HALTON | **Drainage:** W | **Hydro:** C | **Texture:** CL | **Modifier:** ___

Map Unit: ONOND005Ch:b1 **Soil Complex:** 1 of 1 **Area (sq m):** 81750.6015625
Soil Type: ONCGU___ | **Percent:** 100 | **Code:** CGU | **Name:** CHINGUACOUSY CLAY LOAM | **Symbol:** Ch | **Parent Material:** | **Landscape:** | **Slope:** 1.200000 | **Class:** b | **Range:** 0.5 - 2 | **Stoniness:** 1 | **CLI:** 1 | **CLI1:** | **CLI2:** | **Survey:** HALTON | **Drainage:** I | **Hydro:** C | **Texture:** CL | **Modifier:** ___

Map Unit: ONOND005On:E1 **Soil Complex:** 1 of 1 **Area (sq m):** 61549.1992188
Soil Type: ONOID___ | **Percent:** 100 | **Code:** OID | **Name:** ONEIDA CLAY LOAM | **Symbol:** On | **Parent Material:** | **Landscape:** | **Slope:** 12 | **Class:** E | **Range:** 9 - 15 | **Stoniness:** 1 | **CLI:** 4 | **CLI1:** T | **CLI2:** | **Survey:** HALTON | **Drainage:** W | **Hydro:** C | **Texture:** CL | **Modifier:** ___

Map Unit: ONOND005B.L. **Soil Complex:** 1 of 1 **Area (sq m):** 2140490.0
Soil Type: ONZAL___ | **Percent:** 100 | **Code:** ZAL | **Name:** BOTTOM LAND | **Symbol:** B.L. | **Parent Material:** | **Landscape:** | **Slope:** -9.000000 | **Class:** | **Range:** | **Stoniness:** 0 | **CLI:** 5 | **CLI1:** I | **CLI2:** | **Survey:** HALTON | **Drainage:** | **Hydro:** | **Texture:** | **Modifier:** ___

Map Unit: ONOND005On:e1 **Soil Complex:** 1 of 1 **Area (sq m):** 336623.0
Soil Type: ONOID___ | **Percent:** 100 | **Code:** OID | **Name:** ONEIDA CLAY LOAM | **Symbol:** On | **Parent Material:** | **Landscape:** | **Slope:** 12 | **Class:** e | **Range:** 9 - 15 | **Stoniness:** 1 | **CLI:** 1 | **CLI1:** | **CLI2:** | **Survey:** HALTON | **Drainage:** W | **Hydro:** C | **Texture:** CL | **Modifier:** ___

Map Unit: ONOND005On:a1 **Soil Complex:** 1 of 1 **Area (sq m):** 288459.0
Soil Type: ONOID___ | **Percent:** 100 | **Code:** OID | **Name:** ONEIDA CLAY LOAM | **Symbol:** On | **Parent Material:** | **Landscape:** | **Slope:** 0.200000 | **Class:** a | **Range:** 0 - 0.5 | **Stoniness:** 1 | **CLI:** 1 | **CLI1:** | **CLI2:** | **Survey:** HALTON | **Drainage:** W | **Hydro:** C | **Texture:** CL | **Modifier:** ___

Map Unit: ONOND005On:a1 **Soil Complex:** 1 of 1 **Area (sq m):** 239130.0
Soil Type: ONOID___ | **Percent:** 100 | **Code:** OID | **Name:** ONEIDA CLAY LOAM | **Symbol:** On | **Parent Material:** | **Landscape:** | **Slope:** 0.200000 | **Class:** a | **Range:** 0 - 0.5 | **Stoniness:** 1 | **CLI:** 1 | **CLI1:** | **CLI2:** | **Survey:** HALTON | **Drainage:** W | **Hydro:** C | **Texture:** CL | **Modifier:** ___

Map Unit: ONOND005On:c1 **Soil Complex:** 1 of 1 **Area (sq m):** 265402.0
Soil Type: ONOID___ | **Percent:** 100 | **Code:** OID | **Name:** ONEIDA CLAY LOAM | **Symbol:** On | **Parent Material:** | **Landscape:** | **Slope:** 3.500000 | **Class:** C | **Range:** 2 - 5 | **Stoniness:** 1 | **CLI:** 1 | **CLI1:** | **CLI2:** | **Survey:** PEEL | **Drainage:** W | **Hydro:** C | **Texture:** CL | **Modifier:** ___

Map Unit: ONOND005Ch:c1 **Soil Complex:** 1 of 1 **Area (sq m):** 17322.3007813
Soil Type: ONCGU___ | **Percent:** 100 | **Code:** CGU | **Name:** CHINGUACOUSY CLAY LOAM | **Symbol:** Ch | **Parent Material:** | **Landscape:** | **Slope:** 3.500000 | **Class:** c | **Range:** 2 - 5 | **Stoniness:** 1 | **CLI:** 1 | **CLI1:** | **CLI2:** | **Survey:** HALTON | **Drainage:** I | **Hydro:** C | **Texture:** CL | **Modifier:** ___

Map Unit: ONOND005On:a1 **Soil Complex:** 1 of 1 **Area (sq m):** 15243.7998047
Soil Type: ONOID___ | **Percent:** 100 | **Code:** OID | **Name:** ONEIDA CLAY LOAM | **Symbol:** On | **Parent Material:** | **Landscape:** | **Slope:** 0.200000 | **Class:** a | **Range:** 0 - 0.5 | **Stoniness:** 1 | **CLI:** 1 | **CLI1:** | **CLI2:** | **Survey:** HALTON | **Drainage:** W | **Hydro:** C | **Texture:** CL | **Modifier:** ___

Map Unit: ONOND005On:a1 **Soil Complex:** 1 of 1 **Area (sq m):** 115862.0
Soil Type: ONOID___ | **Percent:** 100 | **Code:** OID | **Name:** ONEIDA CLAY LOAM | **Symbol:** On | **Parent Material:** | **Landscape:** | **Slope:** 0.200000 | **Class:** a | **Range:** 0 - 0.5 | **Stoniness:** 1 | **CLI:** 1 | **CLI1:** | **CLI2:** | **Survey:** HALTON | **Drainage:** W | **Hydro:** C | **Texture:** CL | **Modifier:** ___

Map Unit: ONOND005On:E1 **Soil Complex:** 1 of 1 **Area (sq m):** 130606.0
Soil Type: ONOID___ | **Percent:** 100 | **Code:** OID | **Name:** ONEIDA CLAY LOAM | **Symbol:** On | **Parent Material:** | **Landscape:** | **Slope:** 12 | **Class:** E | **Range:** 9 - 15 | **Stoniness:** 1 | **CLI:** 4 | **CLI1:** T | **CLI2:** | **Survey:** HALTON | **Drainage:** W | **Hydro:** C | **Texture:** CL | **Modifier:** ___

Map Unit: ONOND005On:E0 **Soil Complex:** 1 of 1 **Area (sq m):** 40741.3984375
Soil Type: ONOID___ | **Percent:** 100 | **Code:** OID | **Name:** ONEIDA CLAY LOAM | **Symbol:** On | **Parent Material:** | **Landscape:** | **Slope:** 12 | **Class:** E | **Range:** 9 - 15 | **Stoniness:** 0 | **CLI:** 4 | **CLI1:** T | **CLI2:** | **Survey:** HALTON | **Drainage:** W | **Hydro:** C | **Texture:** CL | **Modifier:** ___

Map Unit: ONOND005Ch:f1 **Soil Complex:** 1 of 1 **Area (sq m):** 1242910.0
Soil Type: ONCGU___ | **Percent:** 100 | **Code:** CGU | **Name:** CHINGUACOUSY CLAY LOAM | **Symbol:** Ch | **Parent Material:** | **Landscape:** | **Slope:** 22.500000 | **Class:** f | **Range:** 15 - 30 | **Stoniness:** 1 | **CLI:** 1 | **CLI1:** | **CLI2:** | **Survey:** HALTON | **Drainage:** I | **Hydro:** C | **Texture:** CL | **Modifier:** ___

Map Unit: ONOND005On:a1 **Soil Complex:** 1 of 1 **Area (sq m):** 357851.0
Soil Type: ONOID___ | **Percent:** 100 | **Code:** OID | **Name:** ONEIDA CLAY LOAM | **Symbol:** On | **Parent Material:** | **Landscape:** | **Slope:** 0.200000 | **Class:** a | **Range:** 0 - 0.5 | **Stoniness:** 1 | **CLI:** 1 | **CLI1:** | **CLI2:** | **Survey:** HALTON | **Drainage:** W | **Hydro:** C | **Texture:** CL | **Modifier:** ___

Map Unit: ONOND005On:E0 **Soil Complex:** 1 of 1 **Area (sq m):** 58233.6992188
Soil Type: ONOID___ | **Percent:** 100 | **Code:** OID | **Name:** ONEIDA CLAY LOAM | **Symbol:** On | **Parent Material:** | **Landscape:** | **Slope:** 12 | **Class:** E | **Range:** 9 - 15 | **Stoniness:** 0 | **CLI:** 4 | **CLI1:** T | **CLI2:** | **Survey:** HALTON | **Drainage:** W | **Hydro:** C | **Texture:** CL | **Modifier:** ___

Map Unit: ONOND005On:a1 **Soil Complex:** 1 of 1 **Area (sq m):** 1052570.0
Soil Type: ONOID___ | **Percent:** 100 | **Code:** OID | **Name:** ONEIDA CLAY LOAM | **Symbol:** On | **Parent Material:** | **Landscape:** | **Slope:** 0.200000 | **Class:** a | **Range:** 0 - 0.5 | **Stoniness:** 1 | **CLI:** 1 | **CLI1:** | **CLI2:** | **Survey:** HALTON | **Drainage:** W | **Hydro:** C | **Texture:** CL | **Modifier:** ___

Map Unit: ONOND005Ch:A0 **Soil Complex:** 1 of 1 **Area (sq m):** 93365.1015625
Soil Type: ONCGU___ | **Percent:** 100 | **Code:** CGU | **Name:** CHINGUACOUSY CLAY LOAM | **Symbol:** Ch | **Parent Material:** | **Landscape:** | **Slope:** 0.200000 | **Class:** A | **Range:** 0 - 0.5 | **Stoniness:** 0 | **CLI:** 1 | **CLI1:** | **CLI2:** | **Survey:** HALTON | **Drainage:** I | **Hydro:** C | **Texture:** CL | **Modifier:** ___

Map Unit: ONOND005On:c1 **Soil Complex:** 1 of 1 **Area (sq m):** 1297730.0
Soil Type: ONOID___ | **Percent:** 100 | **Code:** OID | **Name:** ONEIDA CLAY LOAM | **Symbol:** On | **Parent Material:** | **Landscape:** | **Slope:** 3.500000 | **Class:** C | **Range:** 2 - 5 | **Stoniness:** 1 | **CLI:** 1 | **CLI1:** | **CLI2:** | **Survey:** PEEL | **Drainage:** W | **Hydro:** C | **Texture:** CL | **Modifier:** ___

Map Unit: ONOND005On:B0 **Soil Complex:** 1 of 1 **Area (sq m):** 103347.0
Soil Type: ONOID___ | **Percent:** 100 | **Code:** OID | **Name:** ONEIDA CLAY LOAM | **Symbol:** On | **Parent Material:** | **Landscape:** | **Slope:** 1.200000 | **Class:** B | **Range:** 0.5 - 2 | **Stoniness:** 0 | **CLI:** 1 | **CLI1:** | **CLI2:** | **Survey:** HALTON | **Drainage:** W | **Hydro:** C | **Texture:** CL | **Modifier:** ___

Map Unit: ONOND005Ch:b0 **Soil Complex:** 1 of 1 **Area (sq m):** 10339200.0
Soil Type: ONCGU___ | **Percent:** 100 | **Code:** CGU | **Name:** CHINGUACOUSY CLAY LOAM | **Symbol:** Ch | **Parent Material:** | **Landscape:** | **Slope:** 1.200000 | **Class:** b | **Range:** 0.5 - 2 | **Stoniness:** 0 | **CLI:** 1 | **CLI1:** | **CLI2:** | **Survey:** HALTON | **Drainage:** I | **Hydro:** C | **Texture:** CL | **Modifier:** ___

Map Unit: ONOND005Jc:B1 **Soil Complex:** 1 of 1 **Area (sq m):** 215915.0
Soil Type: ONJDD___ | **Percent:** 100 | **Code:** JDD | **Name:** JEDDO CLAY LOAM | **Symbol:** Jc | **Parent Material:** | **Landscape:** | **Slope:** 1.200000 | **Class:** B | **Range:** 0.5 - 2 | **Stoniness:** 1 | **CLI:** 3 | **CLI1:** D | **CLI2:** W | **Survey:** PEEL | **Drainage:** P | **Hydro:** D | **Texture:** CL | **Modifier:** ___

Map Unit: ONOND005Ch:b1 **Soil Complex:** 1 of 1 **Area (sq m):** 1059500.0
Soil Type: ONCGU___ | **Percent:** 100 | **Code:** CGU | **Name:** CHINGUACOUSY CLAY LOAM | **Symbol:** Ch | **Parent Material:** | **Landscape:** | **Slope:** 1.200000 | **Class:** b | **Range:** 0.5 - 2 | **Stoniness:** 1 | **CLI:** 1 | **CLI1:** | **CLI2:** | **Survey:** HALTON | **Drainage:** I | **Hydro:** C | **Texture:** CL | **Modifier:** ___

Map Unit: ONOND005On:a0 **Soil Complex:** 1 of 1 **Area (sq m):** 957438.0
Soil Type: ONOID___ | **Percent:** 100 | **Code:** OID | **Name:** ONEIDA CLAY LOAM | **Symbol:** On | **Parent Material:** | **Landscape:** | **Slope:** 0.200000 | **Class:** a | **Range:** 0 - 0.5 | **Stoniness:** 0 | **CLI:** 1 | **CLI1:** | **CLI2:** | **Survey:** HALTON | **Drainage:** W | **Hydro:** C | **Texture:** CL | **Modifier:** ___

Map Unit: ONOND005On:A0 **Soil Complex:** 1 of 1 **Area (sq m):** 2482160.0
Soil Type: ONOID___ | **Percent:** 100 | **Code:** OID | **Name:** ONEIDA CLAY LOAM | **Symbol:** On | **Parent Material:** | **Landscape:** | **Slope:** 0.200000 | **Class:** A | **Range:** 0 - 0.5 | **Stoniness:** 0 | **CLI:** 1 | **CLI1:** | **CLI2:** | **Survey:** HALTON | **Drainage:** W | **Hydro:** C | **Texture:** CL | **Modifier:** ___

Map Unit: ONOND005Ch:a0 **Soil Complex:** 1 of 1 **Area (sq m):** 3282600.0
Soil Type: ONCGU___ | **Percent:** 100 | **Code:** CGU | **Name:** CHINGUACOUSY CLAY LOAM | **Symbol:** Ch | **Parent Material:** | **Landscape:** | **Slope:** 0.200000 | **Class:** a | **Range:** 0 - 0.5 | **Stoniness:** 0 | **CLI:** 1 | **CLI1:** | **CLI2:** | **Survey:** HALTON | **Drainage:** I | **Hydro:** C | **Texture:** CL | **Modifier:** ___

Map Unit: ONOND005Jc:B1 **Soil Complex:** 1 of 1 **Area (sq m):** 4270060.0
Soil Type: ONJDD___ | **Percent:** 100 | **Code:** JDD | **Name:** JEDDO CLAY LOAM | **Symbol:** Jc | **Parent Material:** | **Landscape:** | **Slope:** 1.200000 | **Class:** B | **Range:** 0.5 - 2 | **Stoniness:** 1 | **CLI:** 3 | **CLI1:** D | **CLI2:** W | **Survey:** PEEL | **Drainage:** P | **Hydro:** D | **Texture:** CL | **Modifier:** ___

Soils Report

Soil Map Units Found within 2000 m of

3232 Tremaine Rd, 5421 - 5463 Dundas St, Burlington, ON

No Soil units found within search area.

Soils Report Metadata

Soil Survey Complex (ON Soils)

ONTARIO MINISTRY OF AGRICULTURE AND FOOD
MINISTRY OF NATURAL RESOURCES
1945-2009

Map Unit - The SOIL MAPUNIT is the basic element of an applied soil classification resulting from detailed soil surveys. Soil Map unit is comprised of one or more soil survey polygons. The MAPUNIT field was generated for each polygon by appending the PROVINCE and NSDB-ID codes with the MAP UNIT symbol that identified that polygon on the original printed soil map. The MAPUNIT usually encodes meaningful information about the soil type and topography; the same information which is found in the Component table. Within any one survey, a group of polygons with similar properties may be coded with the same MAPUNIT.

Soil Type - Identifies a specific soil profile.

Percent - Proportion of the area of the Soil Map Unit occupied by a specific soil component, expressed as a percent. For any particular SOIL MAPUNIT, the sum of the individual. Soil Map Unit Component Area values must be equal to 100%.

Code - Three letter CANSIS code for identifying soils. **Name** - Textual identifier of the soil. **Symbol** - Soil symbol as found in the soil Mapunit.

Survey - Name describing the geographic location where the Soil Survey was completed. Typically the name denotes an administrative boundary of an Upper Tier municipality that occurred at the time of the Soil Survey.

Slope - Predominant slope of the landscape expressed as a percent (%). Slope steepness is often referred to by Class.

Class	Range (%)	Terminology
A	0.0 - 0.5	Level
B	0.5 - 2	Nearly level
C	2.0 - 5	Very gentle slopes
D	5.0 - 9	Gentle slopes
E	9.0 - 15	Moderate slopes
F	15 - 30	Strong slopes
G	30 - 45	Very strong slopes
H	45 - 70	Extreme slopes
I	70 - 100	Steep slopes
J	> 100	Very steep slopes

Stoniness - Occurrence of surface stoniness

Code	
-	Not Applicable
0	Non-stony
1	Slightly stony
2	Moderately stony
3	Very stony
4	Exceedingly stony
5	Excessively stony

Drainage - Indicates classification of how well the soil drains.

Code	
-	Not Applicable
VR	Very Rapidly
R	Rapidly
W	Well
MW	Moderately Well
I	Imperfectly
P	Poorly
VP	Very Poorly

Texture - Describes the soil texture of the A Horizon in the soil profile.

Code	
S	coarse sand and loamy sand
SL	moderately coarse sandy loam
L	medium - moderately fine loam
SIL	silt loam
CL	clay loam
SIC	silty clay
C	clay
O	organic

CLI - Classification of soil and land physical and climatic capability for the production of common field crops as part of the Canada Land Inventory (CLI).

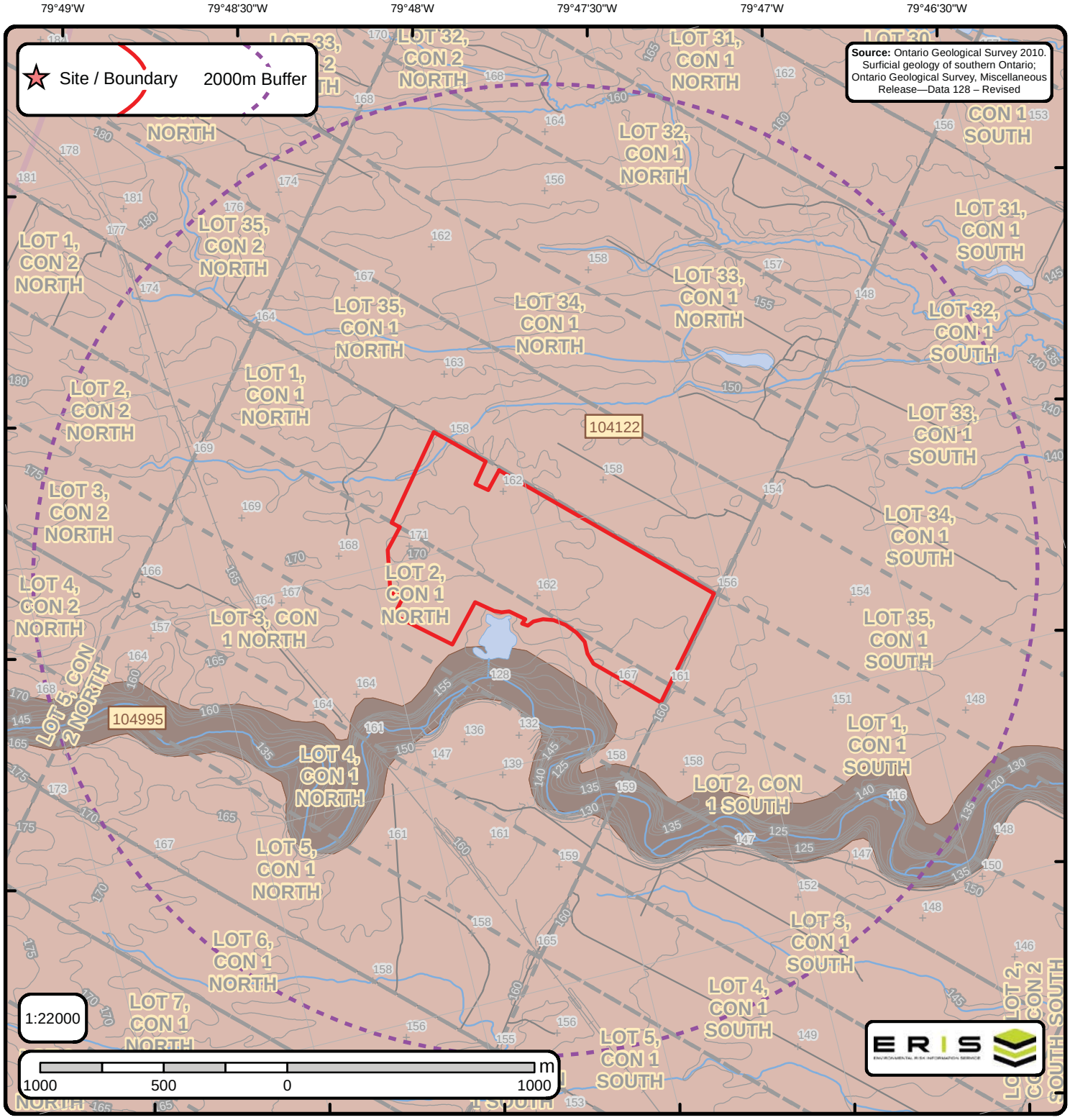
Class 1 No significant limitations in use for Crops
Class 2 moderate limitations on use for crops
Class 3 moderately severe limitations on use for crops.
Class 4 Severe limitations on use for crops.
Class 5 Very severe limitations preclude annual cultivation; improvements feasible.
Class 6 Natural grazing only; no improvements feasible.
Class 7 No capability for agriculture.

CLI1 and CLI2 - First and Second CLI (Canada Land Inventory) Limitation Subclass

Subclass C Land subject to crop heat unit regimes of under 2300 (i.e. adverse Climate)
Subclass D Adverse soil structure (i.e. Depth of rooting zone is restricted)
Subclass E Loss of soil profile from Erosion
Subclass F Low inherent soil Fertility
Subclass I Subject to occasional flooding (Inundation) from adjacent streams or waterbodies
Subclass M Low inherent Moisture holding capacity
Subclass P Presence of surface stones > 15 cm diameter.
Subclass R Presence of consolidated bedrock within one metre of the soil surface
Subclass S Presence of a combination of the Subclasses F and M, or, the presence of a combination of the Subclasses P and R (i.e. adverse soil characteristics)
Subclass T Presence of adverse Topography

Hydro – Hydrological Soil Groups classify soils into 4 groups (A,B,C,and D) according to water run-off and infiltration rates.

A Soils that have a low runoff potential and high infiltration rate, as the soils typically are sands and gravel.
B Soils with moderate infiltration rates when completely wetted. Soils are sandy loam soils with moderately fine to moderately coarse textures.
C Soils with slow infiltration rates when thoroughly wetted and these soils typically are silty-loam soils with an impeding layer or soils with moderately fine to fine texture.
D Soils have a high runoff potential and very slow infiltration rate when thoroughly wetted. Soils include clay soils with high swelling potential, soils in a permanent high water table and shallow soils over nearly impervious material.



The Surficial Geology of Southern Ontario

Order No. 20140912055

Spot Height	Streams	Dune	Beach	Esker	karst	pitsg		
Waterbody	Contour Lines	Lake	Bluff	Esker ND	linfeat	popup		
Wetlands	Roads	Rib	Crevasse	Fluvial DL	megarip	ribl		
Airports	Railroads	Scab	Crest	fluvndl	mfluvdl	slidel		
Pit or Quarry	Morains	Slide	End	iceberg	mfluvndl	slumpb		
Lots		NOF Dune	Escarpment	icslope	moraine	terrace		

Surface Geology Report

Surface Geology units found within 2000 m of

3232 Tremaine Rd, 5421 - 5463 Dundas St, Burlington, ON

Order ID: 20140912055

ID: 104122 | **Unit Name:** Halton Till |

Deposit Type Code: 10 | **Deposit Age:** Late Wisconsinan | **Map Number:** m2509 | **Map Name:** Hamilton | **Source Map Scale:** 1:50 000 | **Primary Material:** diamicton | **Primary Material Modifier:** silty clay to clayey silt | **Secondary Material:** | **Primary General:** glacial | **Primary General Modifier:** | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** Port Huron | **Stratus Modifier:** Surface | **Provenance:** Erie-Ontario | **Carbon Content:** medium | **Formation:** Halton Till | **Permeability:** Low | **Material Description:** Clay or silt till

ID: 104995 | **Unit Name:** Bedrock |

Deposit Type Code: 1 | **Deposit Age:** Ordovician and Silurian | **Map Number:** m2509 | **Map Name:** Hamilton | **Source Map Scale:** 1:50 000 | **Primary Material:** Paleozoic Bedrock | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** | **Primary General Modifier:** | **Veneer:** clay, silt, sand, gravel, diamicton | **Episode:** | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** Variable | **Material Description:** Shale and dolomite

Surface Geology Report Metadata

Ontario Geological Survey 2010. Surficial geology of southern Ontario; Ontario Geological Survey, Miscellaneous Release - Data 128 - Revised.

ONTARIO MINISTRY OF NORTHERN DEVELOPMENT, MINES AND FORESTRY

ID - ID applied to the Unit

Unit Name - Name of deposit

Deposit Type Code - The geological unit number taken from the original map legend.

Deposit Age - to show the age when the sediments were deposited, e.g., Wisconsinan, postglacial or recent.

Map Number - Original map series number, eg., 'M2402' or 'P1973'. Each sgu_point feature is tagged to its original map.

Map Name - Usually NTS area where mapping was completed, e.g., 'Golden Lake'

Source Map Scale - The scale at which the original map was captured, e.g., '1:50 000'

Primary Material - This attribute provides the user with information regarding the most prevalent material present within a given area.

Primary Material Modifier- This attribute provides the user with a more refined description of the lithological classification of the primary material.

Secondary Material - This attribute provides the user with information regarding subordinate materials present within a given area.

Primary General - This attribute provides the user with an interpretation of the depositional environment within which the primary material was deposited.

Primary General Modifier - This attribute provides the user with a refined interpretation of the primary genetic modifier.

Veneer - This attribute provides the user with information regarding the type of material that forms a thin, discontinuous veneer over the primary material.

Sub Episode - A diachronic stratigraphic unit in a lower order than Episode and the proposed sequence-stratigraphic classification, consists in descending order of Michigan, Elgin and Ontario in the eastern and northern Great Lakes area in the Wisconsin Episode (Johnson et al. 1997; Karrow et al. 2000).

Sub Episode - A diachronic stratigraphic unit in a lower order than Episode and the proposed sequence-stratigraphic classification, consists in descending order of Michigan, Elgin and Ontario in the eastern and northern Great Lakes area in the Wisconsin Episode (Johnson et al. 1997; Karrow et al. 2000).

Phase - A diachronic stratigraphic unit in a lower order than Subepisode, and the proposed sequence-stratigraphic classification is listed in the following table in the eastern and northern Great Lakes area (Karrow et al. 2000)

Stratus Modifier - This attribute provides the user information regarding the stratigraphic position of the mapped unit (i.e., whether the unit occurs primarily on the surface or in the subsurface).

Provenance - This attribute provides the user with information regarding the provenance of a particular till unit (i.e. direction or lobe from which the till is derived).

Carbon Content - This attribute provides the user with information regarding the carbonate content of till.

Formation - This attribute provides the user with information regarding the formation to which a given primary material belongs (e.g., Tavistock Till, Port Stanley Till, Scarborough Formation). This attribute is seamless and allows the user to create a map based on formation.

Permeability - This attribute provides the user with basic information about permeability of the sediments in a ranking of high, medium and low.

Material Description - Material or sediment description, e.g., 'sand and silty fine sand', 'silty sand and gravel' and 'silty till with low stone content'.



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INFORMATION INTELLIGENCE

enviroscan





An SCM Company

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Markham, Ontario L3T 7Z3

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W: www.optaintel.ca

Report Completed By:

Sutharmina Balachandran

Site Address:

5421 5453 5463 Dundas Street and 3232 Tremaine Road Burlington ON Canada

Project No:

20140912055

Opta Order ID:

17156

Requested by:

Eleanor Goolab

Ecolog ERIS

Date Completed:

10/1/2014 10:07:25 AM

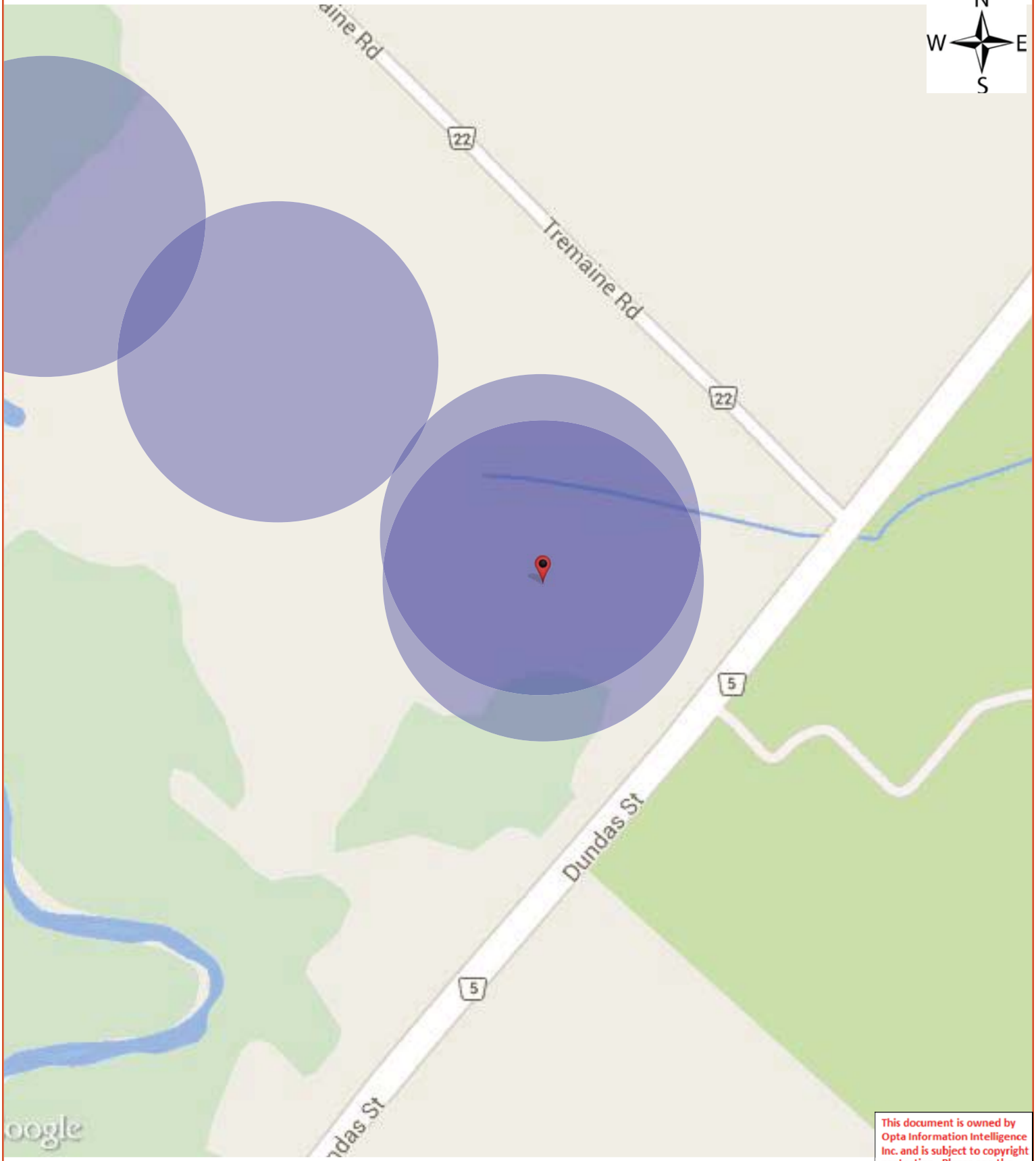
Project #: 20140912055

ENVIROSCAN Report

Search Area: 5421 5453 5463 Dundas Street and 3232 Tremaine Road Burlington ON Canada

Requested by:
Eleanor Goolab
Date Completed: October 1, 2014 07:7:25

enviroscan
OPTA INFORMATION INTELLIGENCE



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Entire Agreement

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

Governing Document

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

Law

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

Project #: 20140912055

Selected Fire Insurance Plans and Inspection Reports

Requested by:
Eleanor Goolab
Date Completed: October 1, 2014 10:07:25

OPTA INFORMATION INTELLIGENCE

Search Fee	**$50.00**
Additional Address Fee	**$150.00**

Selected Fire Insurance Plans

None

Selected Inspection Reports

None

Total	**$200.00**

Project #: 20140912055

Excluded Fire Insurance Plans and Inspection Reports

Requested by:
Eleanor Goolab
Date Completed: October 1, 2014 10:07:25

OPTA INFORMATION INTELLIGENCE

Excluded Fire Insurance Plans

None

Excluded Inspection Reports

None

INFORMATION INTELLIGENCE

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F: 905.882.6300

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APPENDIX D

CHAIN OF TITLE

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

PROPERTY DESCRIPTION: PT LT 1, CON 1 NDS, AS IN 147071 & 105504 EXCEPT 157221, 351708, 357001, 358015, 358350, 811155, PM436, PTS 1 & 2, 20R9410,PTS 1 TO 9 &13,14 & 15, 20R4656, PTS 25 & 27, 20R11257, PT 1, 20R13813. BURLINGTON

PROPERTY REMARKS:

ESTATE/QUALIFIER:
FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY:
DIVISION FROM 07201-0074

PIN CREATION DATE:
2001/11/29

OWNERS' NAMES	CAPACITY	SHARE
STEVENSON, BRUCE MURRAY	TCOM	
STEVENSON, BRIAN DOUGLAS	TCOM	
STEVENSON, GLEN WILLIAM	TCOM	

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE: 2001/11/29 **						
**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: 1997/10/27 **						
105504	1959/11/20	TRANSFER		*** COMPLETELY DELETED ***	STEVENSON, WILLIAM FRANCIS STEVENSON, BERNICE MARGARET	
147071	1963/01/15	TRANSFER		*** DELETED AGAINST THIS PROPERTY ***	STEVENSON, WILLIAM FRANCIS STEVENSON, BERNICE MARGARET MAY ROBERTA	
20R11257	1993/09/28	PLAN REFERENCE				C
20R13813	2000/10/11	PLAN REFERENCE				C
HR61808	2001/07/19	APL OF SURV-LAND		*** COMPLETELY DELETED *** STEVENSON, WILLIAM FRANCIS	STEVENSON, BERNICE MARGARET MAY ROBERTA	

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

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
HR209014	2003/07/04	APL (GENERAL)		STEVENSON, BERNICE MARGARET MAY ROBERTA		C
	REMARKS: DELETING S/T DEBTS 147071					
HR209015	2003/07/04	TRANSFER	$2	STEVENSON, BERNICE MARGARET MAY ROBERTA	STEVENSON, BRUCE MURRAY STEVENSON, BRIAN DOUGLAS STEVENSON, GLEN WILLIAM	C
20R18622	2010/05/26	PLAN REFERENCE				C

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

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

PROPERTY DESCRIPTION: PT LT 1, CON 1 NDS, AS IN 351708 EXCEPT PM435.; CITY OF BURLINGTON

PROPERTY REMARKS: SKETCH ATTACHED TO 351708.

ESTATE/QUALIFIER:
FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY:
FIRST CONVERSION FROM BOOK

PIN CREATION DATE:
1997/10/27

OWNERS' NAMES
MIKALDA FARMS LIMITED

CAPACITY SHARE
ROWN

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
EFFECTIVE 2000/07/29 THE NOTATION OF THE "BLOCK IMPLEMENTATION DATE" OF 1997/10/27 ON THIS PIN						
WAS REPLACED WITH THE "PIN CREATION DATE" OF 1997/10/27						
*** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE: 1997/10/24 ***						
***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: 1997/10/27 ***						
119980	1961/01/25	BYLAW				C
348457	1972/10/25	AGREEMENT			THE CORPORATION OF THE TOWN OF BURLINGTON	C
	REMARKS: SKETCH ATTACHED					
351708	1972/12/08	TRANSFER		*** COMPLETELY DELETED ***	NORTON, DAVID FRANK	
	REMARKS: SKETCH ATTAHED					
HR568583	2007/05/22	TRANSMISSION-LAND		*** COMPLETELY DELETED *** NORTON, DAVID FRANK	NORTON, ALAN CECIL NORTON, DAVID FRANK - ESTATE	
HR906631	2011/02/04	TRANS PERSONAL REP	$105,000	NORTON, ALAN CECIL	MIKALDA FARMS LIMITED	C
	REMARKS: PLANNING ACT STATEMENTS					

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.

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

PROPERTY DESCRIPTION: PT LT 1 , CON 1 NDS , PART 1 , 20R9410 ; BURLINGTON/NELSON TWP

PROPERTY REMARKS:

ESTATE/QUALIFIER:
FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY:
FIRST CONVERSION FROM BOOK

PIN CREATION DATE:
1997/10/27

OWNERS' NAMES
STEVENSON, BRUCE MURRAY

CAPACITY SHARE
TRST

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
EFFECTIVE 2000/07/29 THE NOTATION OF THE "BLOCK IMPLEMENTATION DATE" OF 1997/10/27 ON THIS PIN						
WAS REPLACED WITH THE "PIN CREATION DATE" OF 1997/10/27						
*** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE: 1997/10/24 ***						
***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: 1997/10/27 ***						
119980	1961/01/25	BYLAW				C
20R9410	1989/06/29	PLAN REFERENCE				C
730251	1989/10/13	TRANSFER		*** COMPLETELY DELETED ***	STEVENSON, WILLIAM FRANCIS	
816744	1994/01/18	DEPOSIT				C
HR209027	2003/07/04	TRANSMISSION-LAND		*** COMPLETELY DELETED *** STEVENSON, WILLIAM FRANCIS (DECEASED)	STEVENSON, BERNICE MARGARET MAY ROBERTA STEVENSON, WILLIAM FRANIS-ESTATE	

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

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
HR209028	2003/07/04	TRANS PERSONAL REP	$2	STEVENSON, BERNICE MARGARET MAY ROBERTA	STEVENSON, BRUCE MURRAY	C

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

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

PROPERTY DESCRIPTION: PT LT 2 , CON 1 NDS , AS IN 593807 S/T 593807 ; BURLINGTON/NELSON TWP

PROPERTY REMARKS:

ESTATE/QUALIFIER:
FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY:
FIRST CONVERSION FROM BOOK

PIN CREATION DATE:
1997/10/27

OWNERS' NAMES	CAPACITY	SHARE
STEVENSON, BRUCE MURRAY	TCOM	1/6 INTEREST
STEVENSON, BRIAN DOUGLAS	TCOM	1/6 INTEREST
NORTON, ALAN CECIL	TCOM	1/2 INTEREST
MIKALDA FARMS LIMITED	TCOM	

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
EFFECTIVE 2000/07/29 THE NOTATION OF THE "BLOCK IMPLEMENTATION DATE" OF 1997/10/27 ON THIS PIN						
WAS REPLACED WITH THE "PIN CREATION DATE" OF 1997/10/27						
*** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE: 1997/10/24 ***						
***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: 1997/10/27 ***						
119980	1961/01/25	BYLAW				C
20R4540	1979/11/22	PLAN REFERENCE				C
593807	1984/01/27	TRANSFER		**** COMPLETELY DELETED ****	NORTON, DORIS STEVENSON, BERNICE NORTON	
				CORRECTIONS: 'THIS INSTRUMENT' WAS DELETED FROM PROPERTY 07201-0061 IN ERROR AND WAS RE-INSTATED ON 2007/01/24 BY ANNE-MARIE CASSON.		
HR209019	2003/07/04	TRANSFER		**** COMPLETELY DELETED **** STEVENSON, BERNICE NORTON	STEVENSON, BRUCE MURRAY STEVENSON, BRIAN DOUGLAS	

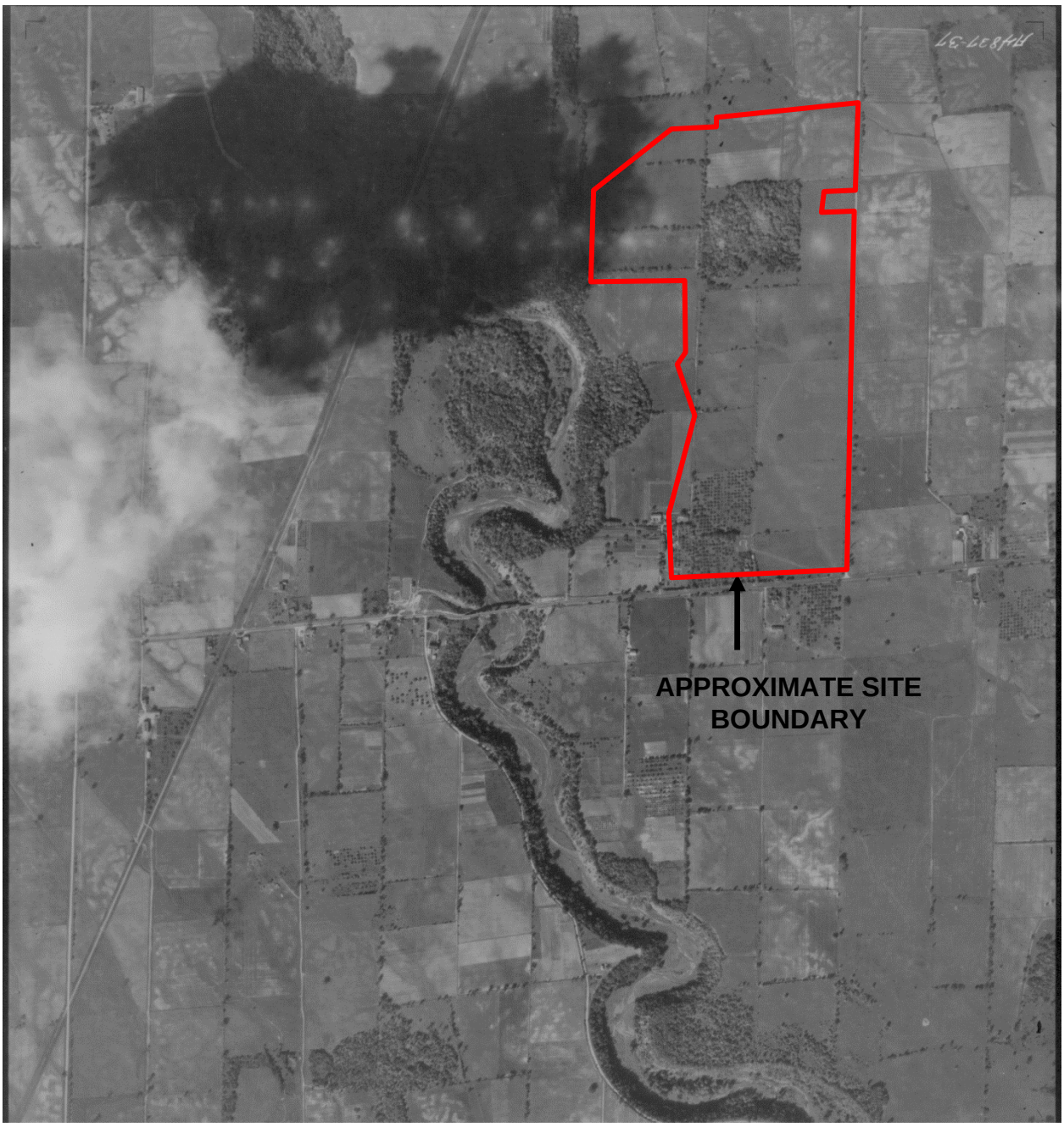
NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.
NOTE: ENSURE THAT YOUR PRINTOUT STATES THE TOTAL NUMBER OF PAGES AND THAT YOU HAVE PICKED THEM ALL UP.

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
					STEVENSON, GLEN WILLIAM	
HR662660	2008/05/13	TRANSMISSION-LAND		*** COMPLETELY DELETED *** NORTON, DORIS	DUNLOP, WILLIAM DUGALD NORTON, ALAN CECIL NORTON, DORIS - ESTATE	
HR662661	2008/05/13	TRANS PERSONAL REP		*** COMPLETELY DELETED *** DUNLOP, WILLIAM DUGALD NORTON, ALAN CECIL	NORTON, ALAN CECIL	
HR681832	2008/07/18	TRANSFER	$1	NORTON, ALAN CECIL STEVENSON, BRIAN DOUGLAS STEVENSON, BRUCE MURRAY STEVENSON, GLEN WILLIAM	STEVENSON, BRUCE MURRAY STEVENSON, BRIAN DOUGLAS STEVENSON, GLEN WILLIAM NORTON, ALAN CECIL	C
20R18622	2010/05/26	PLAN REFERENCE				C
HR918927	2011/04/05	TRANSFER	$701,000	STEVENSON, GLEN WILLIAM	MIKALDA FARMS LIMITED	C

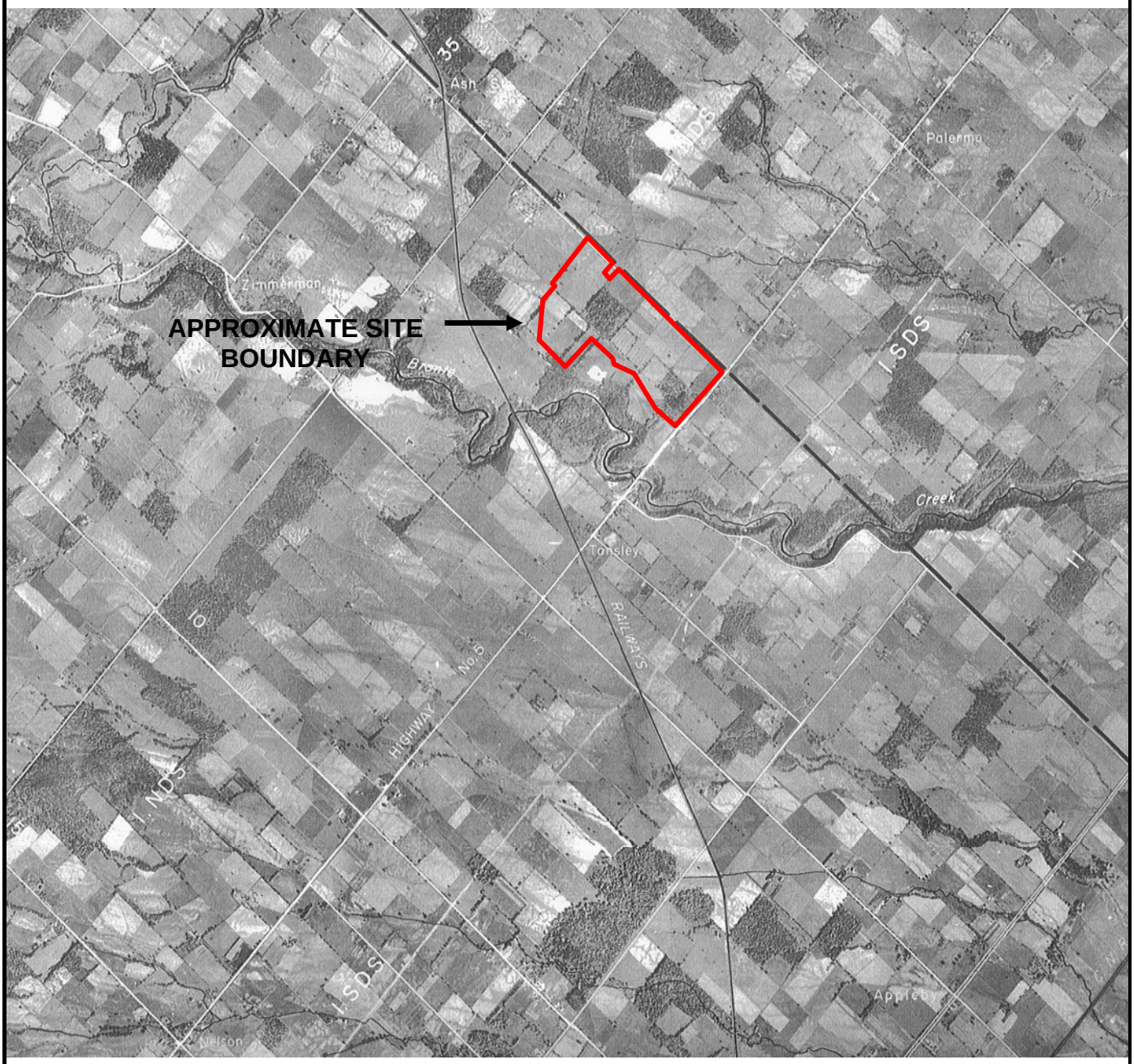
NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.
NOTE: ENSURE THAT YOUR PRINTOUT STATES THE TOTAL NUMBER OF PAGES AND THAT YOU HAVE PICKED THEM ALL UP.

APPENDIX E

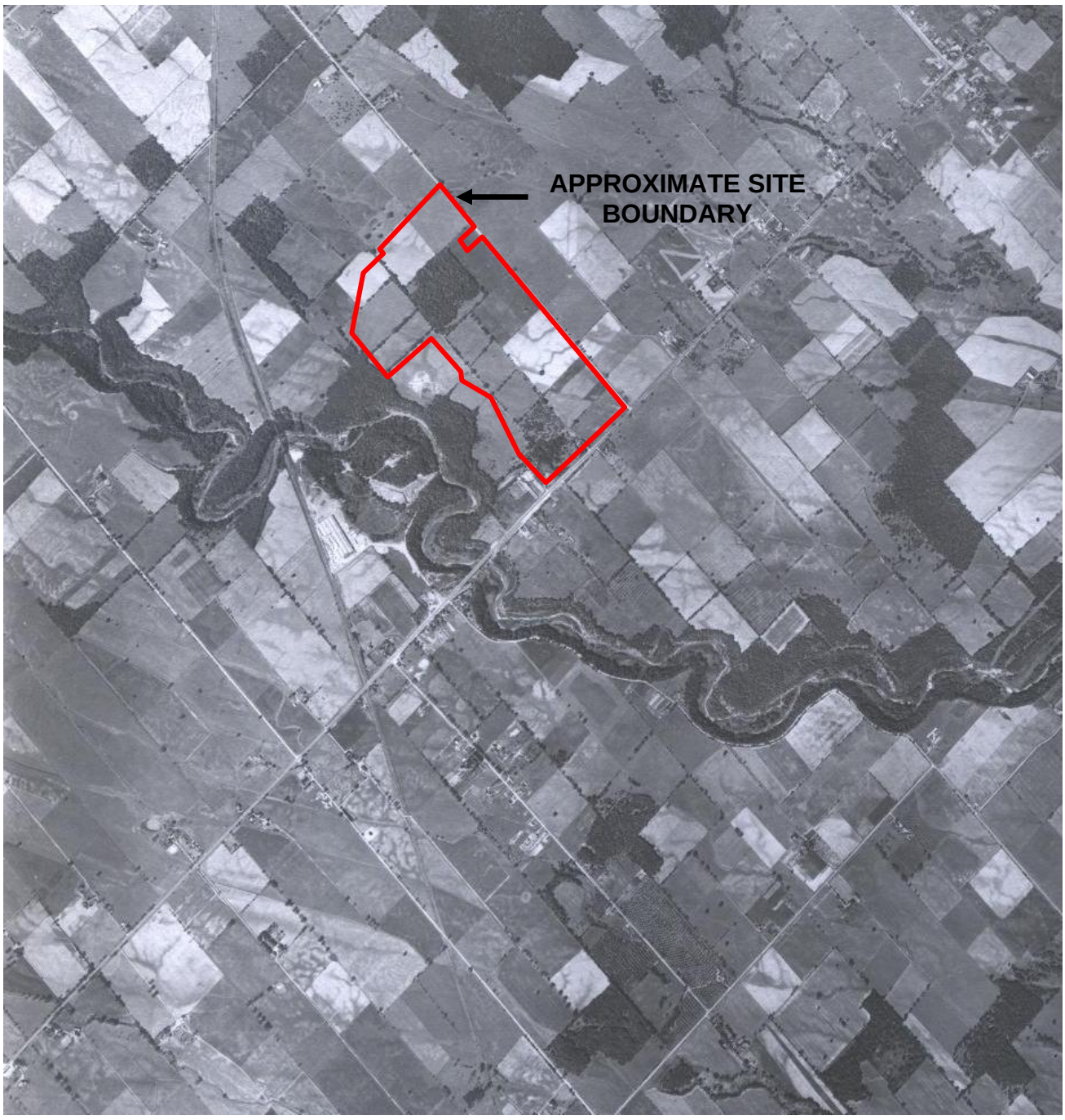
AERIAL PHOTOGRAPHS



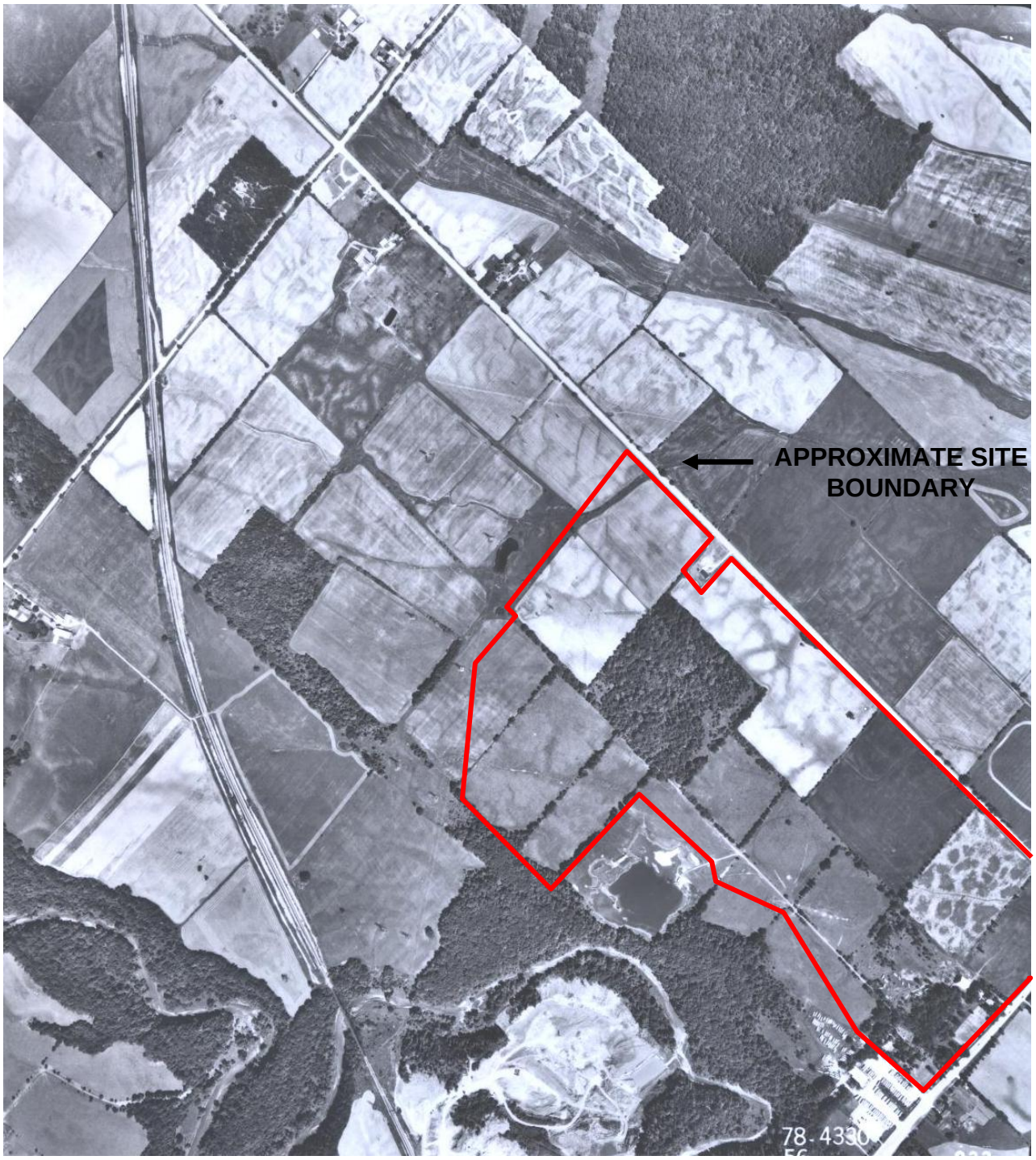
amec foster wheeler	Date: January 2015	Scale: Not to Scale	Project No.: TB141022
Aerial Photograph 1934	Drawn by: JW	Approved by: JC	Source: National Air Photo Library



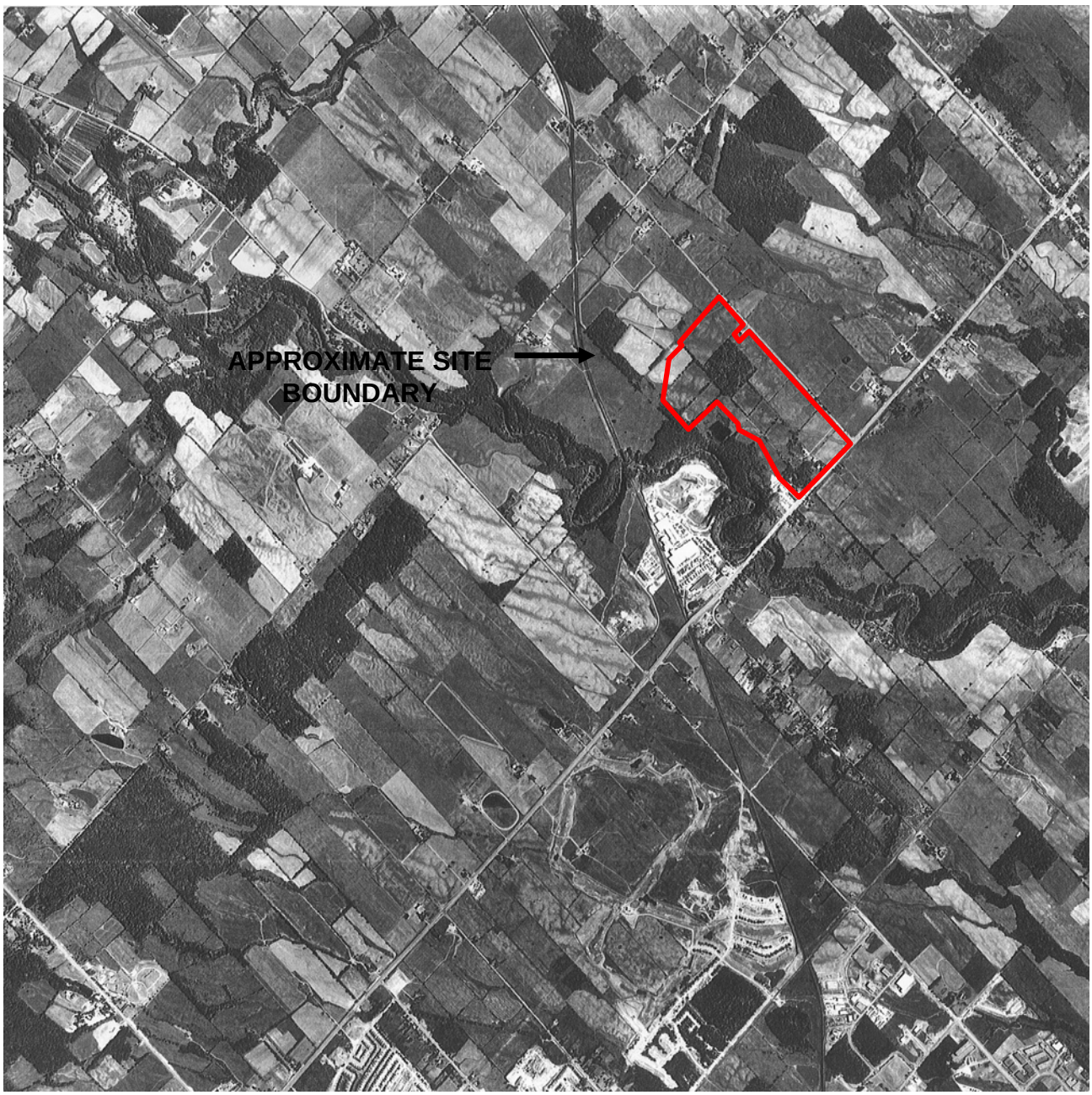
amec foster wheeler	Date: October 2014	Scale: Not to Scale	Project No.: TB141022
Aerial Photograph 1954/55	Drawn by: JLC	Approved by: JC	Source: McMaster University Library



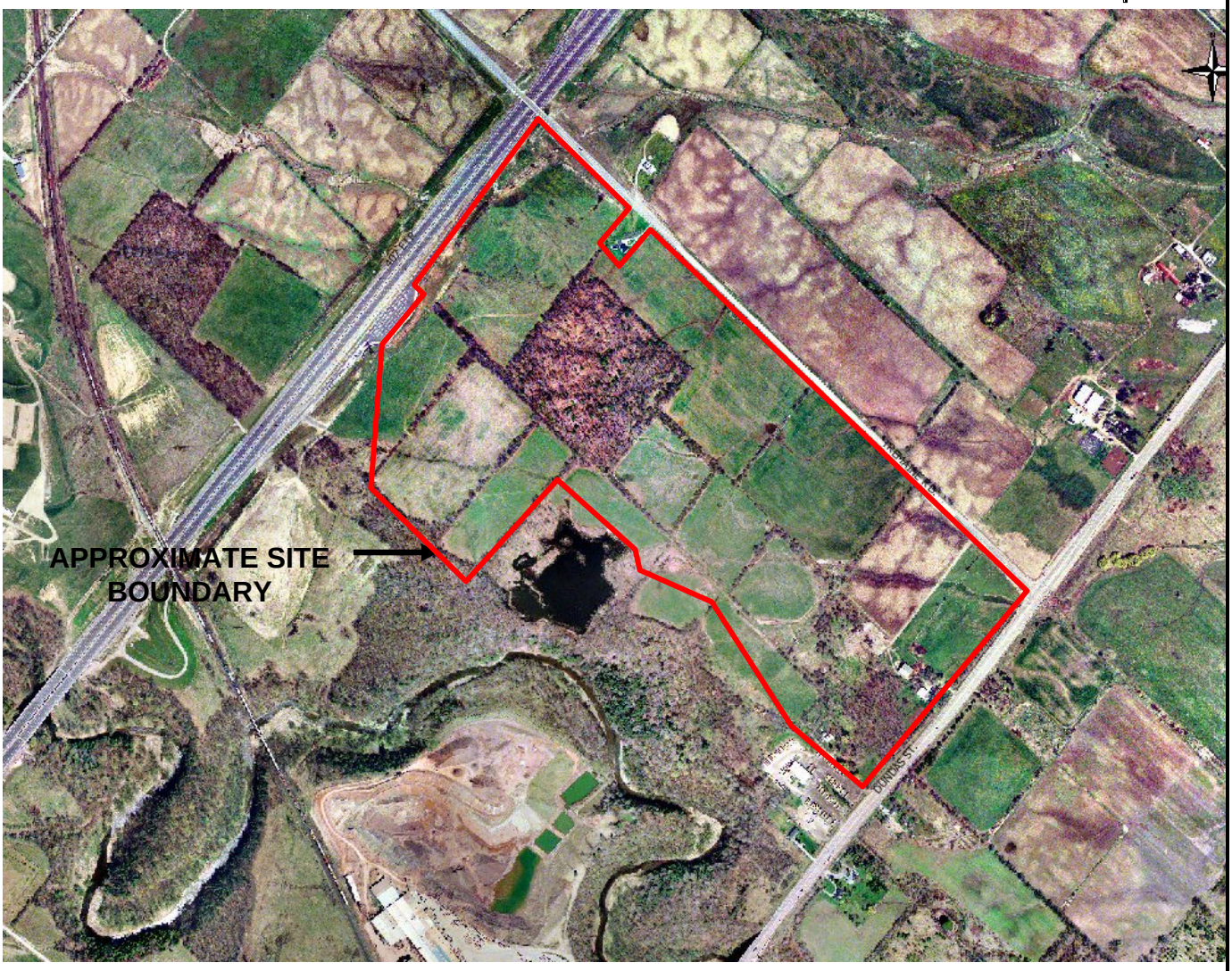
amec foster wheeler	Date: October 2014	Scale: Not to Scale	Project No.: TB141022
Aerial Photograph 1960	Drawn by: JLC	Approved by: JC	Source: McMaster University Library



amec foster wheeler	Date: October 2014	Scale: Not to Scale	Project No.: TB141022
Aerial Photograph 1979	Drawn by: JLC	Approved by: JC	Source: McMaster University Library



amec foster wheeler	Date: October 2014	Scale: Not to Scale	Project No.: TB141022
Aerial Photograph 1988	Drawn by: JLC	Approved by: JC	Source: McMaster University Library



amec foster wheeler	Date: October 2014	Scale: Not to Scale	Project No.: TB141022
Aerial Photograph 2002	Drawn by: JLC	Approved by: JC	Source: City of Burlington Interactive Mapping Website



amec foster wheeler	Date: October 2014	Scale: Not to Scale	Project No.: TB141022
Aerial Photograph 2013	Drawn by: JLC	Approved by: JC	Source: City of Burlington Interactive Mapping Website

APPENDIX F

REGULATORY CORRESPONDENCE AND INTERVIEWS

RECORD OF INTERVIEW – PROJECT

Purpose of Interview (PI ESA / Due Diligence ESA)	Phase I ESA		
Date of Interview:	Oct. 6 2014	**Format (phone or meeting)**	meeting
Site Address:	5421-5463 Dundas St. + 3232 Tremaine Rd. Burlington		
Interviewee & Affiliation & Contact Number:	Tom Pett		
AMEC Interviewer / Office Location:	J. Corritore, J. Workani, Hamilton		

SITE INFORMATION

1) Describe land use history. Was the property ever used for industrial use, dry cleaning, a garage or bulk liquid dispensing facility, including a gasoline outlet?

Residintial

2) Are you aware of any environmental issues associated with the subject property such as waste disposal, landfilling, chemical use and / or storage (including spills), above or underground storage tanks, MOE orders, etc.? (obtain details) Yes (No)

3) Are you aware of any environmental building management issues such as asbestos containing materials, PCBs in electrical equipment, odour, mould, indoor air quality, UFFI, ODSs, lead-based paints, etc.? (obtain details) Yes (No)

4) Are you aware of any site-specific permits, waste generator number(s), certificates of approval, water well records or sewer use / discharge permits? Yes (No)

5) Are you aware of any current or historical environmental concerns associated with adjacent properties? (obtain details)
Yes (No)

6) Are you aware of any previous environmental investigations, inspections, audits or reports (e.g., environmental assessment and remediation, tank removals, asbestos or mould surveys) for the subject property or adjacent properties? Yes (No)

7) Is there anyone else AMEC should contact for additional environmental information? (name, title, phone no.) (Yes) No

Bruce Stevenson

Are additional pages attached, Yes (No), If so how many?___

RECORD OF INTERVIEW – PROJECT # TT73038

Purpose of Interview (PI ESA / Due Diligence ESA)	**PI ESA**		
Date of Interview	April 25, 2007	**Format (phone or meeting)**	Meeting
Site Address	5421, 5453 & 5463 Dundas Street and 3232 Tremaine Road in Burlington, Ontario		
Interviewee & Affiliation & Contact Number	Brian Stevenson, former resident – Bruce Stevenson, owner		
AMEC Interviewer / Office Location	Jonathan Wakani – Hamilton		

SITE INFORMATION

1) Describe land use history. Was the property ever used for industrial use, dry cleaning, a garage or bulk liquid dispensing facility, including a gasoline outlet? Yes No

2) Are you aware of any environmental issues associated with the subject property such as waste disposal, landfilling, chemical use and / or storage (including spills), above or underground storage tanks, MOE orders, etc.? (obtain details) **Yes** No

-Land filling near end of farm road behind 5453 Dundas

-Tanks at 5463 Dundas, UST at front of building, AST in basement, AST north of house

3) Are you aware of any environmental building management issues such as asbestos containing materials, PCBs in electrical equipment, odour, mould, indoor air quality, UFFI, ODSs, lead-based paints, etc.? (obtain details) Yes **No**

4) Are you aware of any site-specific permits, waste generator number(s), certificates of approval, water well records or sewer use / discharge permits? Yes **No**

5) Are you aware of any current or historical environmental concerns associated with adjacent properties? (obtain details)
Yes **No**

6) Are you aware of any previous environmental investigations, inspections, audits or reports (e.g., environmental assessment and remediation, tank removals, asbestos or mould surveys) for the subject property or adjacent properties? Yes **No**

7) Is there anyone else AMEC should contact for additional environmental information? (name, title, phone no.) Yes **No**

Are additional pages attached, Yes No, If so how many?___

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

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

Ontario

November 4, 2014

Jessica Cozzitorto
AMEC Environment & Infrastructure
1 - 505 Woodward Ave
Hamilton, ON L8H 6N6

Dear Jessica Cozzitorto:

RE: ***Freedom of Information and Protection of Privacy Act* Request**
Our File # A-2014-06016, Your Reference TB141022

This letter is in response to your request made pursuant to the *Freedom of Information and Protection of Privacy Act* relating to 5421 Dundas St, Burlington.

After a thorough search through the files of the Ministry's Halton-Peel District Office, Investigations and Enforcement Branch, Environmental Approvals Branch, Environmental Monitoring and Reporting Branch, Sector Compliance Branch and Safe Drinking Water Branch, no records were located responsive to your request. To provide you with this response and in accordance with Section 57 of the *Freedom of Information and Protection of Privacy Act*, the fee owed is $30.00 for 1 hour of search time @ $30.00 per hour. **We have applied the $30.00 for this request from your initial payment. This file is now closed.**

You may request a review of my decision by contacting the Information and Privacy Commissioner/Ontario, 2 Bloor Street East, Suite 1400, Toronto, ON M4W 1A8 (800-387-0073 or 416-326-3333). Please note that there is a $25.00 fee and you only have 30 days from receipt of this letter to request a review.

If you have any questions regarding this matter, please contact Ayesha Kapadia at 416-212-8912 or ayesha.kapadia@ontario.ca.

Yours truly,

Heidi Ritscher
FOI Manager

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

Ontario

November 4, 2014

Jessica Cozzitorto
AMEC Environment & Infrastructure
1 - 505 Woodward Ave
Hamilton, ON L8H 6N6

Dear Jessica Cozzitorto:

RE: ***Freedom of Information and Protection of Privacy Act*** **Request**
Our File # A-2014-06015, Your Reference TB141022

This letter is in response to your request made pursuant to the *Freedom of Information and Protection of Privacy Act* relating to 5453 Dundas St, Burlington.

After a thorough search through the files of the Ministry's Halton-Peel District Office, Investigations and Enforcement Branch, Environmental Approvals Branch, Environmental Monitoring and Reporting Branch, Sector Compliance Branch and Safe Drinking Water Branch, no records were located responsive to your request. To provide you with this response and in accordance with Section 57 of the *Freedom of Information and Protection of Privacy Act*, the fee owed is $30.00 for 1 hour of search time @ $30.00 per hour. **We have applied the $30.00 for this request from your initial payment. This file is now closed.**

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If you have any questions regarding this matter, please contact Ayesha Kapadia at 416-212-8912 or ayesha.kapadia@ontario.ca.

Yours truly,

Heidi Ritscher
FOI Manager

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

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

Ontario

November 4, 2014

Jessica Cozzitorto
AMEC Environment & Infrastructure
1 - 505 Woodward Ave
Hamilton, ON L8H 6N6

Dear Jessica Cozzitorto:

RE: ***Freedom of Information and Protection of Privacy Act*** **Request**
Our File # A-2014-06014, Your Reference TB141022

This letter is in response to your request made pursuant to the *Freedom of Information and Protection of Privacy Act* relating to 5463 Dundas St, Burlington.

After a thorough search through the files of the Ministry's Halton-Peel District Office, Investigations and Enforcement Branch, Environmental Approvals Branch, Environmental Monitoring and Reporting Branch, Sector Compliance Branch and Safe Drinking Water Branch, no records were located responsive to your request. To provide you with this response and in accordance with Section 57 of the *Freedom of Information and Protection of Privacy Act*, the fee owed is $30.00 for 1 hour of search time @ $30.00 per hour. **We have applied the $30.00 for this request from your initial payment. This file is now closed.**

You may request a review of my decision by contacting the Information and Privacy Commissioner/Ontario, 2 Bloor Street East, Suite 1400, Toronto, ON M4W 1A8 (800-387-0073 or 416-326-3333). Please note that there is a $25.00 fee and you only have 30 days from receipt of this letter to request a review.

If you have any questions regarding this matter, please contact Ayesha Kapadia at 416-212-8912 or ayesha.kapadia@ontario.ca.

Yours truly,

Heidi Ritscher
FOI Manager

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
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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

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

Ontario

November 4, 2014

Jessica Cozzitorto
AMEC Environment & Infrastructure
1 - 505 Woodward Ave
Hamilton, ON L8H 6N6

Dear Jessica Cozzitorto:

RE: ***Freedom of Information and Protection of Privacy Act*** **Request**
Our File # A-2014-06013, Your Reference TB141022

This letter is in response to your request made pursuant to the *Freedom of Information and Protection of Privacy Act* relating to 3232 Tremaine Rd, Burlington.

After a thorough search through the files of the Ministry's Halton-Peel District Office, Investigations and Enforcement Branch, Environmental Approvals Branch, Environmental Monitoring and Reporting Branch, Sector Compliance Branch and Safe Drinking Water Branch, no records were located responsive to your request. To provide you with this response and in accordance with Section 57 of the *Freedom of Information and Protection of Privacy Act*, the fee owed is $30.00 for 1 hour of search time @ $30.00 per hour. **We have applied the $30.00 for this request from your initial payment. This file is now closed.**

You may request a review of my decision by contacting the Information and Privacy Commissioner/Ontario, 2 Bloor Street East, Suite 1400, Toronto, ON M4W 1A8 (800-387-0073 or 416-326-3333). Please note that there is a $25.00 fee and you only have 30 days from receipt of this letter to request a review.

If you have any questions regarding this matter, please contact Ayesha Kapadia at 416-212-8912 or ayesha.kapadia@ontario.ca.

Yours truly,

Heidi Ritscher
FOI Manager

14th Floor, Centre Tower
3300 Bloor Street West
Toronto, Ontario
Canada M8X 2X4
Tel.: 416.734.3300
Fax: 416.231.1626
Toll Free: 1.877.682.8772

www.tssa.org

Tel: (416) 734-3570
Fax: (416) 734-3568

14 October 2014
File No: FS 46999

Jessica Cozzitorto
AMEC ENVIRONMENT & INFRASTRUCTURE
505 Woodward Avenue
Unit 1
HAMILTON ON L8H 6N6

Dear Madam:

RE: 5401 Dundas Street, Burlington, Ontario

This is with reference to your request and fee of $50.00 + HST, for information on the above location.

Enclosed are computerised screen prints showing an active private fuel outlet along with equipment details showing underground fuel storage tank details. Copy of an inspection report is also enclosed.

The Technical Standards and Safety Act and associated regulations do not require the registration of private fuel outlets. Nor does it require that any documentation on these facilities be submitted to, or reviewed or approved by TSSA. As a result TSSA has limited information on these facilities. TSSA cautions that any information provided may be inaccurate, incomplete or out of date.

After a search of our files, TSSA has no record of any further outstanding instructions, incident reports, fuel oil spills, or contamination records respecting the above-mentioned property.

This is all the information the Fuels Safety Division has at this time regarding the above address.

It should be noted that the Fuels Safety Division did not register private fuel underground/aboveground storage tanks prior to January of 1990 or furnace oil tanks prior to May 1, 2002. Also note that the Fuels Safety Division does not register waste oil tanks in apartments, office buildings, residences etc. or ABOVEGROUND gas or diesel tanks.

.. 2

14th Floor, Centre Tower
3300 Bloor Street West
Toronto, Ontario
Canada M8X 2X4
Tel.: 416.734.3300
Fax: 416.231.1626
Toll Free: 1.877.682.8772

www.tssa.org

TSSA does not make any representations or warranties with respect to the accuracy or completeness of any records released by TSSA, and the user assumes all risk in using or relying on released records.

Yours truly,

Prem Lal
Coordinator Public Information Services

ORACLE Installed Base

Navigator Favorites Home Profile Sign Out Help

Item Instances

General
Additional Attributes
Assets
Party Relationships
Owner
Parties
Accounts
Contacts
Summary
Pricing
Counters
Contracts
Notes
Transactions
Service Requests
Repair Orders
History
Operating Units
Configuration

Quick Find Item Instance Go Advanced Search

Logged In As PLAL

Item Instance Details

Item Instance: 9349449
Item: FS PRIVATE FUEL OUTLET - SELF SERVE
Item Description: Fuels Safety Private Fuel Outlet - Self Serve

General Attributes

Organization Name TSSA Item Master
Instance Name
Last Version Label 1
Version Label Date 07-NOV-1990 0:00
Revision
New Version Label
System Go
External Reference
Item Instance Type
Accounting Classification Customer Product
Operational Status Not Used
Lot Number : not lot-controlled
Status Active
Condition
Quantity 1
UOM Each
Start Date 07-NOV-1990
Start Time 0:00
Shipped On Date
Shipped On Time
End Date
End Time
Return By Date
Return By Time
Actual Return Date
Actual Return Time

* Indicates required field.
Time format is HH24:MM
Note: You do not have permission to make updates in this page.

Creation Completed

Owner

Party Type Party
Party Name: FIRSTCANADA ULC
Party Number: 223304
Account Number: 101931
Account Name FIRSTCANADA ULC

Current Location

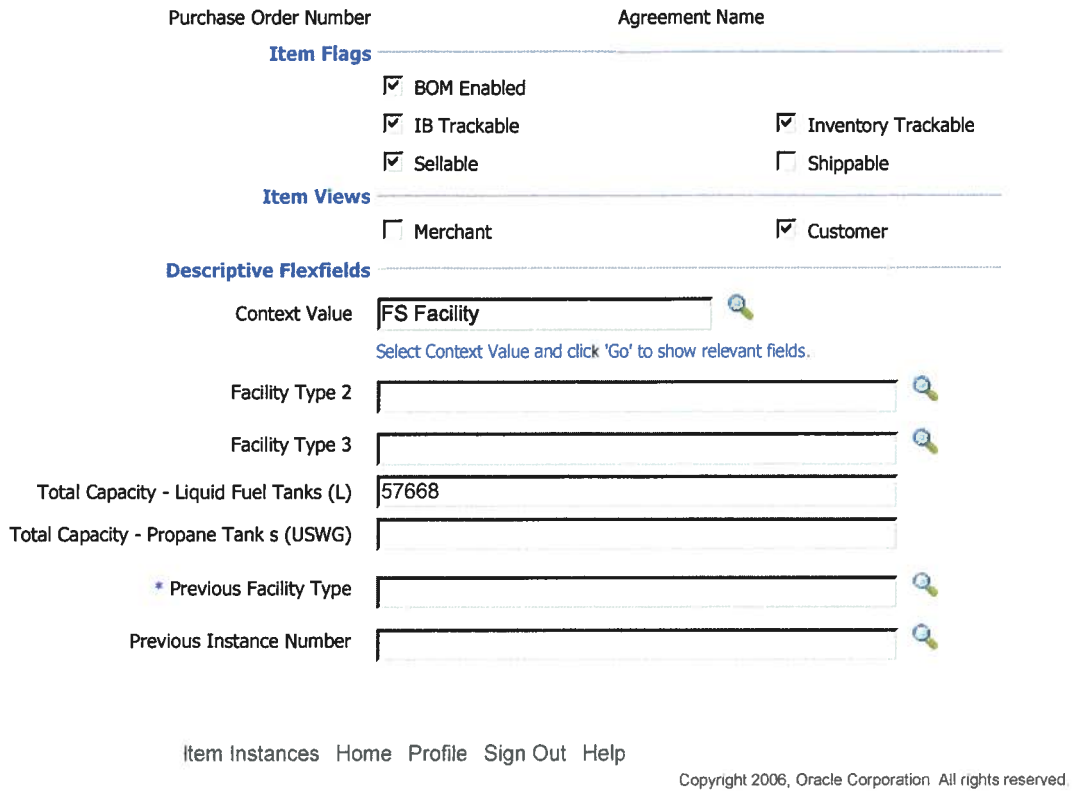
* Type Party Site Go
Party Name FIRSTCANADA ULC Go
Party Number 223304 Go
*Line 1 5401 DUNDAS ST Go
Site Number 224419 Go
Address 5401 DUNDAS ST
BURLINGTON, L7R 3X4, CA

Installed At

Installed Date 07-NOV-1990
Installed Time 0:00
Time format is HH24:MM
Change in installed date does not change contract date.
Type Go

Order

Sales Order Number
Sales Order Date
Sales Order Line



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Installed Base

View : Item Instance : 11646723

Item	FS LIQUID FUEL TANK	System	
Item Description	FS Liquid Fuel Tank	Owner	FIRSTCANADA ULC
		Account Number	101931

General | Location | Associations | Configuration | Counters | Notes

External Reference		New Version Label	
Organization	TSSA Item Master	Last Version Label	1
Revision		Creation Date	19-Jul-2000 20:15:15
Instance Name		Status	Active
Quantity	1	Install Date	11-Sep-2001 00:00:00
UOM	Each	Expiration Date	
Item Instance Type		Shipped On Date	
Item Condition		Return By Date	
Accounting Classification	Customer Product	Actual Return Date	
Operational Status Code	Not Used		

Other Item Instance Details

Transaction History
Item Instance History
Operating Units
Contracts
Orders
Service Requests
Orders and Directives
View Relationship Graphically
OMS Orders

Hide Instance Flex Fields

Fuel Type1	Gasoline Gasoline
Fuel Type2	
Fuel Type3	
Capacity (L)	10000
Tank Material	Fiberglass (FRP) Fiberglass (FRP)
Tank Type	Liquid Fuel Single Wall UST Liquid Fuel Single Wall UST
FS Corrosion Protection	Fiberglass Fiberglass
Overfill Protection Type	
Installation Year	1974
ULC Standard	
Manufacturer	
Model	
Serial Number	
Description	

Show Additional Attributes

Return to Instance Search

Item Instance Counters Mass Update Home Logout Preferences Help

Privacy Statement

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Installed Base

Item **FS LIQUID FUEL TANK**
Item Description **FS Liquid Fuel Tank**
System
Owner **FIRSTCANADA ULC**
Account Number **101931**

Other Item Instance Details
Transaction History
Item Instance History
Operating Units
Contracts
Orders
Service Requests
Orders and Directives
View Relationship Graphically
OMS Orders

General | Location | Associations | Configuration | Counters | Notes

External Reference		New Version Label	
Organization	**TSSA Item Master**	Last Version Label	**1**
Revision		Creation Date	**19-Jul-2000 20:15:15**
Instance Name		Status	**Active**
Quantity	**1**	Install Date	**11-Sep-2001 00:00:00**
UOM	**Each**	Expiration Date	
Item Instance Type		Shipped On Date	
Item Condition		Return By Date	
Accounting Classification	**Customer Product**	Actual Return Date	
Operational Status Code	**Not Used**		

Hide Instance Flex Fields

Fuel Type1	**Diesel** Diesel
Fuel Type2	
Fuel Type3	
Capacity (L)	**45460**
Tank Material	**Fiberglass (FRP)** Fiberglass (FRP)
Tank Type	**Liquid Fuel Single Wall UST** Liquid Fuel Single Wall UST
FS Corrosion Protection	**Fiberglass** Fiberglass
Overfill Protection Type	
Installation Year	**1984**
ULC Standard	
Manufacturer	
Model	
Serial Number	
Description	

Show Additional Attributes

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Installed Base

Item	**FS LIQUID FUEL TANK**	System	
Item Description	**FS Liquid Fuel Tank**	Owner	**FIRSTCANADA ULC**
		Account Number	**101931**

Other Item Instance Details

- Transaction History
- Item Instance History
- Operating Units
- Contracts
- Orders
- Service Requests
- Orders and Directives
- View Relationship Graphically
- OMS Orders

General | Location | Associations | Configuration | Counters | Notes

External Reference		New Version Label	
Organization	**TSSA Item Master**	Last Version Label	**1**
Revision		Creation Date	**19-Jul-2000 20:15:15**
Instance Name		Status	**Active**
Quantity	**1**	Install Date	**11-Sep-2001 00:00:00**
UOM	**Each**	Expiration Date	
Item Instance Type		Shipped On Date	
Item Condition		Return By Date	
Accounting Classification	**Customer Product**	Actual Return Date	
Operational Status Code	**Not Used**		

Hide Instance Flex Fields

Fuel Type1	**Other** Other
Fuel Type2	
Fuel Type3	
Capacity (L)	**2208**
Tank Material	**Steel** Steel
Tank Type	**Liquid Fuel Single Wall AST** Liquid Fuel Single Wall AST
FS Corrosion Protection	**Painted** Painted
Overfill Protection Type	
Installation Year	**1974**
ULC Standard	
Manufacturer	
Model	
Serial Number	
Description	**WASTE OIL**

Show Additional Attributes

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orm Periodic Inspection (FS) for Job 009349463-004 (FS PIN 2002-02049)

ion: E073485 - AK

Assignments

Complete by DANEKD

d To: Debbie Danek

e: Inspection Complete

Schedule

Scheduled Start: Sep 30, 2002

Scheduled Complete: mmm dd, yyyy

Actual Start: mmm dd, yyyy hh:mm

Actual Complete: May 09, 2003 17:39

Reports

ails | Deficiencies | Time | Documents | Comments | O/S Orders | Resolved/Orders | Create Def

ion Report Number: FS-2002-0002049

Inspection: 4/21/2003

ection Date: mmm dd, yyyy

Issued To:

To insert general comments on the inspection report, click on the "Comments" Tab and Right Click Insert the comments.

ou entered your time and saved your report ?: Yes No

Risk Factor:

ion Display s: 5401 DUNDAS ST, BURLINGTON, ON, CA L7R 3X4

License Number: 0001039996-C

Tank Vehicle ' Serial-Unit ' Numbers:

FS 2008-000209 FS PIN 2002-020194

Technical Standards and Safety Authority

Inspector's Report - Part A

Issued under Ontario's *Technical Standards and Safety Act* Fuels Safety Regulations

Report No. E-073485

PLEASE PRINT

Location Inspected	Owner's Name
Laidlaw Transit Ltd	
Address: 5401 Dundas Street	Address:
City/town: Burlington Ontario	City/town:
Postal Code: Tel. No.: 905-335-7010	Postal Code: Tel. No.:
Operator's Name: Joe Spasaro	Fuel Supplier: Petro Canada City:
Licence No.: 0001039996	
Contractor: SAS	Registration No.:

OPERATION/SUB	LOC TYPE	POP DEN	FUEL	CLASS	REASON	TRIGGER	ACTION
20/01	02	01	DIEL	03	26	01	—

ACT	REG	DURATION	TRAVEL	BILLABLE	BILL	OCC RATE	CAUSE
TSSA	217/01	2	/	2	(1) 2 3	—	—

CON FACT	OCC DATE	OCC TIME	FIELD 1	SITE REM	COMPLETED?
—	—	—	—	☐ Yes ☒ No	☒ Yes ☐ No

Investigation/Audit/Occurrence Summary

inspection on private fuel outlet - diesel - to ensure compliance with the Liquid Fuels Handling Code

no instructions issued

Equipment/Appliance/Component

Type	
Description	
Manufacturer	
Model	Serial No.
Material	
Fuel Input Rating	
Date of Manufacture	
Installation Date	
Supply Pressure	Manifold Pressure

MAY 09 2003

Equipment/Appliance/Component

Type	
Description	
Manufacturer	
Model	Serial No.
Material	
Fuel Input Rating	
Date of Manufacture	
Installation Date	
Supply Pressure	Manifold Pressure

TECHNICAL STANDARDS & SAFETY AUTHORITY RECEIVED MAY 02 2003 FUELS SAFETY

As a not-for-profit regulatory authority, the Technical Standards and Safety Authority operates on a cost recovery basis. An invoice will be issued for this activity.

Client's Signature	Inspector's Name	Badge #	Date of Inspection
	Dunek	175	April 21/03

FS 09181 (11/02)

Legislative & Planning Services
Planning Services
1151 Bronte Road
Oakville ON L6M 3L1
Fax: 905-825-8822

November 3, 2014

Jessica Cozzitorto
AMEC Environment and Infrastructure
505 Woodward Ave, Unit 1
Hamilton ON L6H 6N6

Dear Ms. Cozzitorto:

RE: Request for Hazardous Land Use and Chemical Occurrence Inventory Search
Location: 5421, 5453, 5463 Dundas Street and 3232 Tremaine Road, Burlington

---

This is in reference to your written request for information and signed waiver dated September 1, 2014 and received on October 21, 2014. Halton Region staff reviewed Halton Region's Hazardous Land Use and Chemical Occurrence Inventory *(Environmental Protection GIS Database)* and have summarized the information found in Tables 1 through 4, attached.

Please be reminded that this information was obtained from a variety of sources and dates as listed. Halton Region cannot guarantee or warrant that this information is accurate or complete nor can the Region be held responsible for any claim or liability that can or may arise from the provision of this information.

If you would like to obtain information regarding sewers discharge violations or spills to the sanitary sewer please contact David Large, Supervisor, Industrial Waste, Public Works Department, Wastewater Services Department, Ext 7723.

If you have any questions regarding this information, please contact the undersigned at ext. 3241.

Sincerely,

Amanda Wong,
Planner, Groundwater and Hydrology

Table 1: Inventory Search for: 5421 Dundas St Burlington

Database and Sources	Available Date of Information Source	Last Updated	Information
Halton Region's GIS System[1]	1950 – Dec. 31, 2011	Jun 2011	Tributary of Bronte Creek
Regional and Local Planning Files[1]	1950 – Dec. 31, 2011	Feb 2011	No records found
Halton Region's Business Directories[1]	1977 – Aug 20, 2008	Aug 2008	No records found
Chamber of Commerce Business Directories[1]	1977 – Dec.31, 2001	Dec 2001	No records found
Halton Region Fire Insurance Plans[1]	1950 – Dec. 31, 2005	Jun 2006	No records found
National Pollutant Release Inventory[2]	1993 – Dec. 31, 2011	Feb 2013	No records found
Inventory of Retail Fuel Storage Tanks [3]	1950 – Jan. 31, 2009	Jan 2009	No records found
Hazardous Waste Information System[4] (Carriers, Generators and Receivers)	1995 – Dec. 31, 2011	Nov 2013	No records found
Inventory of PCB Storage Sites[4]	1986 – June, 2011	Jun 2011	No records found
Pesticide Licensee Database[4]	1986 – April 2011	Apr 2011	No records found
Spills Action Centre Database[4]	1988 – Dec. 31, 2010	Dec 2010	No records found
Environmental Non-Compliance[4]	1994 - Dec. 31, 2010	Dec 2013	No records found
Certificates of Approval (air, industrial wastewater, sewage, waterworks)[5]	1994 – Sep. 2010	Sep 2010	No records found
Sources: [1]Halton Region; [2]Environment Canada; [3]Technical Standards and Safety Authority; [4] Ministry of the Environment; [5] Environmental Registry			

Table 2: Inventory Search for: 5453 Dundas St Burlington

Database and Sources	Available Date of Information Source	Last Updated	Information
Halton Region's GIS System[1]	1950 – Dec. 31, 2011	Jun 2011	No records found
Regional and Local Planning Files[1]	1950 – Dec. 31, 2011	Feb 2011	No records found
Halton Region's Business Directories[1]	1977 – Aug 20, 2008	Aug 2008	No records found
Chamber of Commerce Business Directories[1]	1977 – Dec.31, 2001	Dec 2001	No records found
Halton Region Fire Insurance Plans[1]	1950 – Dec. 31, 2005	Jun 2006	No records found
National Pollutant Release Inventory[2]	1993 – Dec. 31, 2011	Feb 2013	No records found
Inventory of Retail Fuel Storage Tanks [3]	1950 – Jan. 31, 2009	Jan 2009	No records found
Hazardous Waste Information System[4] (Carriers, Generators and Receivers)	1995 – Dec. 31, 2011	Nov 2013	No records found

The information contained in this document may include confidential privileged information intended only for the addressee(s). This material may be subject to the provisions of the Municipal Freedom of Information & Protection of Privacy Act. The information contained in this document may have been obtained from a variety of sources. Halton Region accepts no responsibility for the accuracy and completeness of the information or the omission of data. Any use which a third party makes of this information, or any reliance on or decisions to be made based on this information, are the responsibility of such third parties. Halton Region accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions taken on the information contained in this document.

Inventory of PCB Storage Sites[4]	1986 – June, 2011	Jun 2011	No records found
Pesticide Licensee Database[4]	1986 – April 2011	Apr 2011	No records found
Spills Action Centre Database[4]	1988 – Dec. 31, 2010	Dec 2010	No records found
Environmental Non-Compliance[4]	1994 - Dec. 31, 2010	Dec 2013	No records found
Certificates of Approval (air, industrial wastewater, sewage, waterworks)[5]	1994 – Sep. 2010	Sep 2010	No records found
Sources: [1]Halton Region; [2]Environment Canada; [3]Technical Standards and Safety Authority; [4] Ministry of the Environment; [5] Environmental Registry			

Table 3: Inventory Search for: 5463 Dundas St Burlington

Database and Sources	Available Date of Information Source	Last Updated	Information
Halton Region's GIS System[1]	1950 – Dec. 31, 2011	Jun 2011	Fourteen Mile Creek
Regional and Local Planning Files[1]	1950 – Dec. 31, 2011	Feb 2011	No records found
Halton Region's Business Directories[1]	1977 – Aug 20, 2008	Aug 2008	No records found
Chamber of Commerce Business Directories[1]	1977 – Dec.31, 2001	Dec 2001	No records found
Halton Region Fire Insurance Plans[1]	1950 – Dec. 31, 2005	Jun 2006	No records found
National Pollutant Release Inventory[2]	1993 – Dec. 31, 2011	Feb 2013	No records found
Inventory of Retail Fuel Storage Tanks [3]	1950 – Jan. 31, 2009	Jan 2009	No records found
Hazardous Waste Information System[4] (Carriers, Generators and Receivers)	1995 – Dec. 31, 2011	Nov 2013	No records found
Inventory of PCB Storage Sites[4]	1986 – June, 2011	Jun 2011	No records found
Pesticide Licensee Database[4]	1986 – April 2011	Apr 2011	No records found
Spills Action Centre Database[4]	1988 – Dec. 31, 2010	Dec 2010	No records found
Environmental Non-Compliance[4]	1994 - Dec. 31, 2010	Dec 2013	No records found
Certificates of Approval (air, industrial wastewater, sewage, waterworks)[5]	1994 – Sep. 2010	Sep 2010	No records found
Sources: [1]Halton Region; [2]Environment Canada; [3]Technical Standards and Safety Authority; [4] Ministry of the Environment; [5] Environmental Registry			

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Table 4: Inventory Search for: 3232 Tremaine Road Burlington

Database and Sources	Available Date of Information Source	Last Updated	Information
Halton Region's GIS System[1]	1950 – Dec. 31, 2011	Jun 2011	Fourteen Mile Creek
Regional and Local Planning Files[1]	1950 – Dec. 31, 2011	Feb 2011	No records found
Halton Region's Business Directories[1]	1977 – Aug 20, 2008	Aug 2008	No records found
Chamber of Commerce Business Directories[1]	1977 – Dec.31, 2001	Dec 2001	No records found
Halton Region Fire Insurance Plans[1]	1950 – Dec. 31, 2005	Jun 2006	No records found
National Pollutant Release Inventory[2]	1993 – Dec. 31, 2011	Feb 2013	No records found
Inventory of Retail Fuel Storage Tanks [3]	1950 – Jan. 31, 2009	Jan 2009	No records found
Hazardous Waste Information System[4] (Carriers, Generators and Receivers)	1995 – Dec. 31, 2011	Nov 2013	No records found
Inventory of PCB Storage Sites[4]	1986 – June, 2011	Jun 2011	No records found
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Spills Action Centre Database[4]	1988 – Dec. 31, 2010	Dec 2010	No records found
Environmental Non-Compliance[4]	1994 - Dec. 31, 2010	Dec 2013	No records found
Certificates of Approval (air, industrial wastewater, sewage, waterworks)[5]	1994 – Sep. 2010	Sep 2010	No records found
Sources: [1]Halton Region; [2]Environment Canada; [3]Technical Standards and Safety Authority; [4] Ministry of the Environment; [5] Environmental Registry			

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APPENDIX G

PHASE ONE PROPERTY PHOTOGRAPHS

PHOTOGRAPHIC RECORD

PROJECT NO. TB141022

PROJECT Phase One ESA: 5421, 5453 and 5463 Dundas Street, and 3232 Tremaine Road

LOCATION 5421, 5453 and 5463 Dundas Street, and 3232 Tremaine Road **ENCLOSURE** 1



PHOTOGRAPH	1

Description

Looking east down Dundas Street.



PHOTOGRAPH	2

Description

Looking west down Dundas Street.

PHOTOGRAPHIC RECORD

PROJECT NO. TB141022

PROJECT Phase One ESA: 5421, 5453 and 5463 Dundas Street, and 3232 Tremaine Road

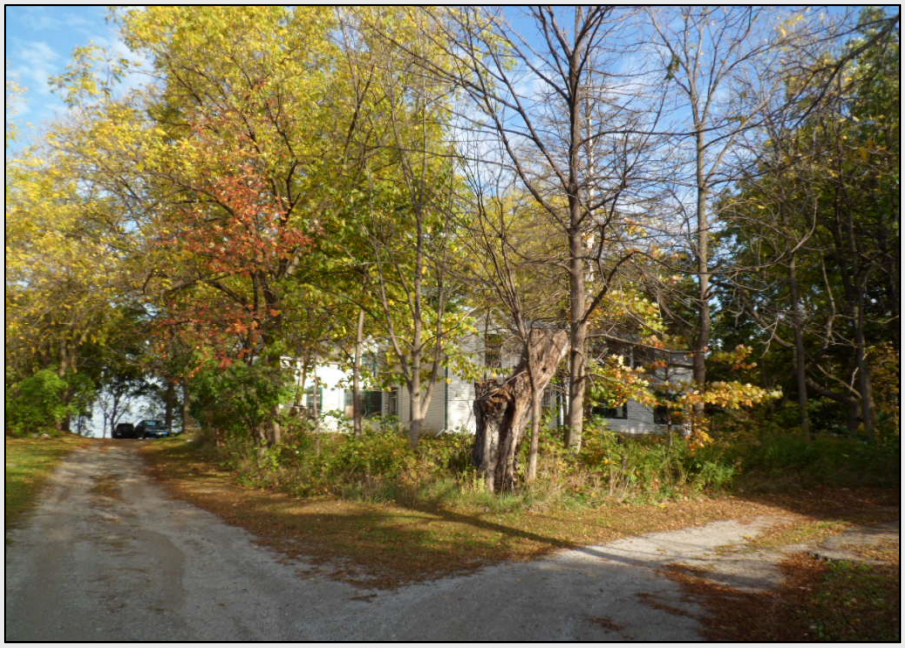
LOCATION 5421, 5453 and 5463 Dundas Street, and 3232 Tremaine Road **ENCLOSURE** 2



PHOTOGRAPH	3

Description

Looking south at surrounding residential property.



PHOTOGRAPH	4

Description

Looking north at the front of the residential dwelling located at 5421 Dundas Street of the Phase One Property.

PHOTOGRAPHIC RECORD

PROJECT NO. TB141022

PROJECT Phase One ESA: 5421, 5453 and 5463 Dundas Street, and 3232 Tremaine Road

LOCATION 5421, 5453 and 5463 Dundas Street, and 3232 Tremaine Road **ENCLOSURE** 3



PHOTOGRAPH	5

Description

Looking west at domestic water well on Phase One Property.



PHOTOGRAPH	6

Description

Looking at area of UST on the property adjacent to the west of the Phase One Property.

PHOTOGRAPHIC RECORD

PROJECT NO. TB141022

PROJECT Phase One ESA: 5421, 5453 and 5463 Dundas Street, and 3232 Tremaine Road

LOCATION 5421, 5453 and 5463 Dundas Street, and 3232 Tremaine Road **ENCLOSURE** 4



PHOTOGRAPH	7

Description

Looking at area of septic system to the east of the residential building on the Phase One Property.



PHOTOGRAPH	8

Description

Pole-mounted transformer located to the southwest of the residential building on the Phase One Property.

PHOTOGRAPHIC RECORD

PROJECT NO. TB141022

PROJECT Phase One ESA: 5421, 5453 and 5463 Dundas Street, and 3232 Tremaine Road

LOCATION 5421, 5453 and 5463 Dundas Street, and 3232 Tremaine Road **ENCLOSURE** 5



PHOTOGRAPH	9

Description

Looking east towards former shed and former structure utilized for animal shelter at 5421 Dundas Street.



PHOTOGRAPH	10

Description

An empty AST located in backyard to the northeast of the residential dwelling on the Phase One Property.

PHOTOGRAPHIC RECORD

PROJECT NO. TB141022

PROJECT Phase One ESA: 5421, 5453 and 5463 Dundas Street, and 3232 Tremaine Road

LOCATION 5421, 5453 and 5463 Dundas Street, and 3232 Tremaine Road **ENCLOSURE** 6



PHOTOGRAPHIC	11

Description

An abandoned well located at the northwest corner of the residential dwelling on the Phase One Property.



PHOTOGRAPHIC	12

Description

Looking east towards Tremaine Road.

PHOTOGRAPHIC RECORD

PROJECT NO. TB141022

PROJECT Phase One ESA: 5421, 5453 and 5463 Dundas Street, and 3232 Tremaine Road

LOCATION 5421, 5453 and 5463 Dundas Street, and 3232 Tremaine Road **ENCLOSURE** 7



PHOTOGRAPH	13

Description

Looking south towards Dundas Street.



PHOTOGRAPH	14

Description

Looking west towards Bronte Creek towards the northern portion of Phase One Property.

PHOTOGRAPHIC RECORD

PROJECT NO. TB141022

PROJECT Phase One ESA: 5421, 5453 and 5463 Dundas Street, and 3232 Tremaine Road

LOCATION 5421, 5453 and 5463 Dundas Street, and 3232 Tremaine Road **ENCLOSURE** 8



PHOTOGRAPH	15

Description

Looking north towards Highway 407.



PHOTOGRAPH	16

Description

Pond located on property adjacent to the west of the Phase One Property.

PHOTOGRAPHIC RECORD

PROJECT NO. TB141022

PROJECT Phase One ESA: 5421, 5453 and 5463 Dundas Street, and 3232 Tremaine Road

LOCATION 5421, 5453 and 5463 Dundas Street, and 3232 Tremaine Road **ENCLOSURE** 9



PHOTOGRAPH	17

Description

Looking northeast towards Highway 407 from the northern portion of the Phase One Property.



PHOTOGRAPH	18

Description

Looking south towards the wooded area located on the northern portion of the Phase One Property.

PHOTOGRAPHIC RECORD

PROJECT NO. TB141022

PROJECT Phase One ESA: 5421, 5453 and 5463 Dundas Street, and 3232 Tremaine Road

LOCATION 5421, 5453 and 5463 Dundas Street, and 3232 Tremaine Road **ENCLOSURE** 10



PHOTOGRAPH	19

Description

Piles of debris, fill, and empty metal drums observed on 5463 Dundas Street to the north east of 5453 Dundas Street.



PHOTOGRAPH	20

Description

Piles of debris, fill, and empty metal drums observed on 5463 Dundas Street to the north east of 5453 Dundas Street.

PHOTOGRAPHIC RECORD

PROJECT NO. TB141022

PROJECT Phase One ESA: 5421, 5453 and 5463 Dundas Street, and 3232 Tremaine Road

LOCATION 5421, 5453 and 5463 Dundas Street, and 3232 Tremaine Road **ENCLOSURE** 11



PHOTOGRAPH	20

Description

Stored waste materials located to the north of the residential building located at 5421 Dundas Street.



PHOTOGRAPH	21

Description

Drums observed to be disposed of on the property adjacent to the west of the Phase One Property.

PHOTOGRAPHIC RECORD

PROJECT NO. TB141022

PROJECT Phase One ESA: 5421, 5453 and 5463 Dundas Street, and 3232 Tremaine Road

LOCATION 5421, 5453 and 5463 Dundas Street, and 3232 Tremaine Road **ENCLOSURE** 12



PHOTOGRAPH	23

Description

The adjacent property located at 3278 Tremaine Road.



PHOTOGRAPH	24

Description

Looking east across Tremaine Road at surrounding agricultural properties.

PHOTOGRAPHIC RECORD

PROJECT NO. TB141022

PROJECT Phase One ESA: 5421, 5453 and 5463 Dundas Street, and 3232 Tremaine Road

LOCATION 5421, 5453 and 5463 Dundas Street, and 3232 Tremaine Road **ENCLOSURE** 13



PHOTOGRAPH	25

Description

Peeling paint and water damaged plaster on second floor within the residential building located at 5421 Dundas Street.



PHOTOGRAPH	26

Description

Gasoline storage container located to the north of the residential building located at 5421 Dundas Street.

APPENDIX H

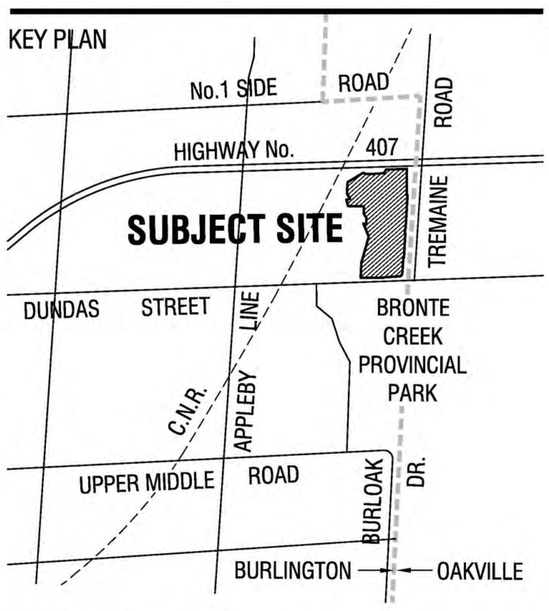
EVERGREEN COMMUNITY (BURLINGTON) LTD. PLAN OF SUBDIVISION

DRAFT PLAN OF SUBDIVISION

PARTS OF LOTS 1 AND 2
CONCESSION 1 NORTH OF DUNDAS STREET
GEOGRAPHIC TOWNSHIP OF NELSON NOW IN THE
CITY OF BURLINGTON
REGIONAL MUNICIPALITY OF HALTON



KEY PLAN



SUBJECT SITE

NOT TO SCALE

PLANNING APPROVAL

APPROVED UNDER SECTION 51 OF THE PLANNING ACT, RSO 1990, AS AMENDED, BY THE DIRECTOR OF PLANNING FOR THE CITY OF BURLINGTON.

SIGNED: _____ THIS ___ DAY OF _____, 2015

DIRECTOR OF PLANNING

OWNER'S AUTHORIZATION

I HEREBY AUTHORIZE URBAN STRATEGIES INC. AND GERRARD DESIGN ASSOCIATES INC. TO PREPARE AND SUBMIT THIS DRAFT PLAN OF SUBDIVISION TO THE CITY OF BURLINGTON FOR APPROVAL.

SIGNED: _____ DATE: June 4, 2015

FABIO J. MAZZOCCO
EVERGREEN COMMUNITY (BURLINGTON) LTD.

ACTING ON BEHALF OF:

ESTATE OF DAVID NORTON
PIN 07201-0082 (LT)
ALAN NORTON - EXECUTOR

3232 TREMAINE ROAD
PIN 07201-0073 (LT)
BRUCE M. STEVENSON - OWNER

5421 DUNDAS STREET PIN
07201-0061 (LT)
BRIAN D. STEVENSON - OWNER
BRUCE M. STEVENSON - OWNER
GLEN W. STEVENSON - OWNER
ALAN NORTON - P. O. A.

5463 DUNDAS STREET
PIN 07201-0093 (LT)
BRIAN D. STEVENSON - OWNER
BRUCE M. STEVENSON - OWNER
GLEN W. STEVENSON - OWNER

SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT THE BOUNDARY OF THE LAND ON THIS PLAN AND THEIR RELATIONSHIP TO THE ADJACENT LAND ARE ACCURATELY AND CORRECTLY SHOWN.

SIGNED: _____ DATE: June 4, 2015

THOMAS J. SALB, B.Sc., OLIP
J.D. BARNES LTD.

ADDITIONAL INFORMATION

UNDER SECTION 51(17) OF THE PLANNING ACT

INFORMATION REQUIRED BY CLAUSES A, B, C, D, E, F, G, J ARE SHOWN ON THE DRAFT AND KEY PLAN

H - MUNICIPAL WATER
I - SILTY CLAY
K - MUNICIPAL SANITARY AND STORM SEWERS
L - SHOWN ON PLAN

LAND USE SCHEDULE

LAND USE / UNIT TYPE	LOTS / BLOCKS	AREA ha	AREA ac	UNITS
Business Corridor	396-398	4.57	11.29	
Mixed Use Corridor - Employment	399	1.48	3.66	
Mixed Use Corridor - General	400-403	5.81	14.36	410 *
Future Transit	404	0.66	1.63	
Parks	405-411	2.02	4.99	
LID / SWM / Naturalized Area	412-427	2.85	7.04	
NHS	428-432	19.61	48.46	
Road Widening	433-435	0.95	2.35	
0.3m Reserve	436-440	0.02	0.05	
Right of Way		13.38	33.06	
Special Right of Way (Eco Passage)		0.25	0.62	
Townhomes (6.10m / 20')	375-395	2.34	5.78	123
Single Detached WS (10.40m / 34')		2.26	5.58	75
Single Detached WS (11.60m / 38')		4.02	9.93	124
Single Detached WS (12.50m / 41')		3.69	9.12	101
Single Detached (12.50m / 41')		1.28	3.16	33
Single Detached (13.72m / 45')		0.74	1.83	18
Single Detached (15.24m / 50')		1.05	2.59	23
TOTAL		**66.98**	165.51	**907**

*Final unit count to be determined at a later date.

R.O.W. SCHEDULE

	m (width)	lin.m
Collector Road	27	370.0
Local Road	20	5420.3
Special Local Road (Eco Passage)	17	141.0
Minor Local Road	18.5	479.2
Lane	8.5	665.6
TOTAL		7076.1

NOTES

- ALL UNITS IN METRES UNLESS OTHERWISE NOTED.
- LOT FRONTAGE MEASURED AT 4.5M FRONT YARD SETBACK ON STANDARD DEPTH LOTS.
- CORNER RADIUS: 5m.
- CORNER CHAMFER AT INTERSECTIONS WITH LANES: 3m.
- DAYLIGHT TRIANGLES AS INDICATED ON PLAN.
- ROAD LENGTHS CALCULATED TO INTERSECTION EDGE.
- CONTOUR INTERVAL: 0.5m

PREPARED BY

URBAN STRATEGIES INC.

GERRARD DESIGN ASSOCIATES INC
212-321 Carlaw Ave, Toronto, ON, M4M2S1 T 647 292 8750

SCALE: 1:2000

DWG DATE: July 09, 2015

APPENDIX I

QUALIFICATIONS OF THE ASSESSORS

Jeff Carson, P.Eng., QP_{ESA}
Associate Environmental Engineer

Jeff Carson is an Associate Environmental Engineer and Qualified Person ("QP") as defined by O.Reg. 153/04 under the Environmental Protection Act (EPA). Mr. Carson is the Group Leader for the environmental operations in Hamilton and St. Catharines and has over 16 years of combined environmental engineering and environmental field experience in both the private and public sectors. Mr. Carson's responsibilities include overall project management, quality control, budgeting, and client liaison. Mr. Carson has completed/managed in excess of 350 Phase I, II, III environmental site assessments, designated substance surveys and site remediation throughout the province of Ontario and has served clients in the following sectors: petroleum, automotive, railway, manufacturing, land development, real-estate, finance, education, government, chemical production, recycling, pharmaceutical, transportation, natural resource and major retail.

Site assessments and remediation activities have included building materials with designated substances (such as asbestos containing materials ("ACMs"), PCBs, lead-based paint and UFFI suspected materials) and soil and ground water impacted by petroleum, volatile organic compounds, PCBs, PAHs, metals, dioxins and furans. Remedial solutions have included in-situ and ex-situ bioremediation/oxidation, multi-phase pump and treat systems, soil vapour extraction, petroleum product removal and traditional 'dig and dump' methods. Mr. Carson has filed several Records of Site Condition ("RSC") with the Ontario Ministry of Environment for former petroleum service stations and industrial Brownfield sites.

Major clients include the City of Hamilton and other municipalities, Tinnerman Palnut, Biox Biodiesel Facility (Hamilton), numerous confidential commercial and industrial clients for land transactions (throughout Ontario), 7 year contract for site assessment and remediation services for Major Oil Company (Ontario Region), Confidential global printing company (GTA, Ontario), Confidential Industrial Linen company (Ontario Region), Ontario Reality Corporation, RailAmerica.

Jonathan Wakani, P.Geo., QP_{ESA}
Geoscientist

Mr. Wakani has over nine years experience involving various Phase I, II and III environmental assessments. Site investigations have been conducted on undeveloped parcels, residential to multi-tenant commercial properties, and industrial facilities including manufacturing plants, dry cleaners, automotive garages and retail petroleum outlets and bulk plants. Mr. Wakani has been involved in several underground storage tank removals and remediations for former retail fuel outlets, private fuel sources, automotive garages, developers and industrial facilities. Experience includes soil excavation and disposal as well as chemical injection methods.

Jessica Cozzitorto
Environmental Technician

Ms. Jessica Cozzitorto is an Environmental Technician with Amec Foster Wheeler's Hamilton Office. She has 5 years experience working in the environmental field. She has 3 years of experience working as a surveyor for designated substances within building environments. She has performed numerous designated substance surveys for institutional, governmental, commercial, marine and industrial sectors. Main responsibilities at Amec Foster Wheeler have included for the collection of bulk samples for asbestos, lead, mercury, arsenic, silica, observations for PCB containing equipment, mould, CFCs, and other hazardous materials, as well as the preparation of the technical reports outlining results and recommendations for remediation. Ms. Cozzitorto also has experience regarding asbestos and mould abatement projects where her main responsibilities included for the preparation of job specifications, pre and post abatement visual inspections, collection of air samples following the completion of abatement, and preparation of reports. Ms. Cozzitorto has also conducted and assisted with numerous Phase I Environmental Site Assessments in London, Burlington and St. Catharines for municipalities, commercial and retail transactions.

APPENDIX J

LIMITATIONS

LIMITATIONS

1. The work performed in the preparation of this report and the conclusions presented are subject to the following:

   (a) The Standard Terms and Conditions which form a part of our 16 September 2014 Professional Services Contract;

   (b) The Scope of Services;

   (c) Time and Budgetary limitations as described in our Contract; and,

   (d) The Limitations stated herein.

2. No other warranties or representations, either expressed or implied, are made as to the professional services provided under the terms of our Contract, or the conclusions presented.

3. The conclusions presented in this report were based, in part, on visual observations of the site and attendant structures. Our conclusions cannot and are not extended to include those portions of the site or structures which were not reasonably available, in Amec Foster Wheeler's opinion, for direct observation.

4. The environmental conditions at the site were assessed, within the limitations set out above, having due regard for applicable environmental regulations as of the date of the inspection. A review of compliance by past owners or occupants of the site with any applicable local, provincial or federal by-laws, orders-in-council, legislative enactments and regulations was not performed.

5. The site history research included obtaining information from third parties and employees or agents of the owner. No attempt has been made to verify the accuracy of any information provided, unless specifically noted in our report.

6. Where testing was performed, it was carried out in accordance with the terms of our contract providing for testing. Other substances, or different quantities of substances testing for, may be present on site and may be revealed by different of other testing not provided for in our contract.

7. Because of the limitations referred to above, different environmental conditions from those stated in our report may exist. Should such different conditions be encountered, Amec Foster Wheeler must be notified in order that it may determine if modifications to the conclusions in the report are necessary.

8. The utilization of Amec Foster Wheeler's services during the implementation of any remedial measures will allow Amec Foster Wheeler to observe compliance with the conclusions and recommendations contained in the report. Amec Foster Wheeler's involvement will also allow for changes to be made as necessary to suit field conditions as they are encountered.

9. This report is for the sole use of the party to whom it is addressed unless expressly stated otherwise in the report or contract. Any use which any third party makes of the report, in whole or in part, or any reliance thereon, or decisions made based on any information of conclusions in the report, is the sole responsibility of such third party. Amec Foster Wheeler accepts no responsibility whatsoever for damages or loss of any nature or kind suffered by any such third party as a result of actions taken or not taken or decisions made in reliance on the report or anything set out therein.

10. This report is not to be given over to any third party for any purpose whatsoever without the written permission of Amec Foster Wheeler.

11. Provided that the report is still reliable, and less than 12 months old, Amec Foster Wheeler will issue a third-party reliance letter to parties client identifies in writing, upon payment of the then current fee for such letters. All third parties relying on Amec Foster Wheeler's report, by such reliance agree to be bound by our proposal and Amec Foster Wheeler's standard reliance letter. Amec Foster Wheeler's standard reliance letter indicates that in no event shall Amec Foster Wheeler be liable for any damages, howsoever arising, relating to third-party reliance on Amec Foster Wheeler's report. No reliance by any party is permitted without such agreement.