PROJECT NO.: SM 188633-E

NOVEMBER 14, 2018

PHASE ONE ENVIRONMENTAL SITE ASSESSMENT
1085 CLEARVIEW AVENUE AND
1082, 1086 AND 1090 ST. MATTHEWS AVENUE
BURLINGTON, ONTARIO

PREPARED FOR:

LIV COMMUNITIES

Soil-Mat

BY

SOIL-MAT ENGINEERS & CONSULTANTS LTD.
130 LANCING DRIVE
HAMILTON, ONTARIO
L8W 3A1

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PROJECT NO.: SM 188633-E NOVEMBER 14, 2018

LIV COMMUNITIES
1005 Skyview Road – Suite 301
Burlington, Ontario
L7P 5B1

Attention: Josh Dennill
Land Development Coordinator

PHASE ONE ENVIRONMENTAL SITE ASSESSMENT
1085 CLEARVIEW AVENUE AND
1082, 1086 AND 1090 ST. MATTHEWS AVENUE
BURLINGTON, ONTARIO

Dear Mr. Dennill,

Further to your recent authorization, we have completed the Phase One Environmental Site Assessment ["ESA"] for the above noted property. The assessment included a historical search of various documents (library archive research and aerial photograph overview), records review (environmental compliance, landfill inventory, etc.) and a site reconnaissance of the subject property, which generally follows the protocol of Ontario Regulation 153/04 [as amended]. The Phase One Environmental Site Assessment conducted for this Site consisted of a historical records review, interviews and a site reconnaissance.

At the time of this Report the Site was occupied by a single storey community use building located toward the northwest corner of the Site. In addition, two [2] 1½-storey dwellings with a basement, and a 1½-storey commercial use building with a basement and a detached garage were erected along the eastern portion of the property. The remainder of the Site was comprised primarily of an asphaltic-concrete covered parking lot structure with some landscaped areas around the perimeter of the Site.

In addition, there were no readily available records that indicate any past industrial or commercial operations have occurred on the Site.

With respect to the subject property, the previous Phase One ESA and Phase Two ESA conducted by this office indicated an area of fill material with elevated levels of certain metals parameters [specifically EC and SAR] to be present on the Site. As such, the fill material is considered a PCA.

With respect to the neighbouring and nearby properties, the Phase One ESA research revealed a nearby property [101 Masonry Court] that historically undertook operations that are considered PCAs that may cause an APEC on the Site.

However, as stated in section 3.7 of this Report, a former Phase One ESA and Phase Two ESA with intrusive soil and groundwater background environmental testing did not indicate any exceedances of the applicable Table 3 Standards for the Contaminants of Concern. In addition, no visual or olfactory evidence of a suspected adverse environmental impact to the retrieved soil and groundwater samples was documented during the previous Phase Two ESA and Geotechnical Investigation. In addition, it is noted that an RSC was previously submitted and acknowledged for this off-site property, which indicates that the property met the applicable Ontario Regulation 153/04 [as amended] site condition standard at the time. Given the above, the former operation(s) on this property are not considered a significant environmental concern to the Site.

With the exception of the above, the lands in the general vicinity of the Site are comprised of commercial, residential, and vacant lands that based on the information currently available to SOIL-MAT ENGINEERS are not anticipated to have an adverse environmental impact on the Site.

Based on the findings of the Phase One Environmental Site Assessment, SOIL-MAT ENGINEERS & CONSULTANTS LTD. find the potential of Site contamination to be considered **MEDIUM** and therefore recommend that additional investigations **ARE** required at this time, pending the results of the Ministry of the Environment database search which will be forwarded to LIV COMMUNITIES under a separate cover once they are received in our Office.

The areas of concern identified during this Phase One ESA are listed below:

PCA Number	PCA Description	Location of the PCA
30	Importation of Fill Material of Unknown Quality	• A former Phase Two ESA conducted for the Site in this office revealed an area of fill material with elevated levels of certain metals parameters.

To reduce SOIL-MAT ENGINEERS' degree of uncertainty associated with the environmental liabilities listed above, further assessment activities are recommended. Each environmental liability, and our rationale for further assessment activities, is provided on the following page:

Environmental Liability	PCA#	Recommendation	Rationale
Fill Material of Unknown Quality	30	Advance of a series of boreholes to delineate the vertical and lateral extent of the fill material.	Confirm or refute that the pre-existing fill material is suitable for use on the Site in terms of the environmental characteristics of the fill with respect to the applicable site condition standards. The COC should include Metals and Inorganics.

Although not considered an environmental liability to the Site, given the construction date of the on-Site buildings, it is possible that designated substances may be present in the buildings. As such, it is recommended that a non-intrusive designated substance survey of the building be undertaken before any planned demolition or renovation activities that may disturb building materials to identify where possible, designated substances that may be present in the building.

In addition to the above, this Office should be contacted if any additional suspected groundwater well is encountered during future construction activities to make arrangements for the water well as well as the known wells to be abandoned as per *Ontario Regulation 903 – Water Wells*.

We trust that this Phase One Environmental Site Assessment is satisfactory for your purposes.

Our Phase One Environmental Site Assessment findings are presented herein.

1.0 INTRODUCTION

LIV COMMUNITIES retained SOIL-MAT ENGINEERS & CONSULTANTS LTD. [SOIL-MAT ENGINEERS] to conduct a Phase One Environmental Site Assessment [ESA] for the properties located at 1085 Clearview Avenue and 1082, 1086 and 1090 St. Matthews Avenue in the City of Burlington, Ontario, hereinafter referred to as the 'Site'.

1.1 PROJECT SCOPE

The Phase One ESA generally follows the protocol outlined in *Ontario Regulation 153/04* [as amended], which suggests a four-step approach to Phase One Environmental Site Assessments, including the following;

1. RECORDS REVIEW: including aerial photographs, property use records, title search, previous Phase One ESA reports, regulatory agency documentation, company records, Site specific geotechnical reports and any other relevant material;

2. SITE VISITATION: including a visual reconnaissance of the Site, suspect adjacent properties, and the different land uses within a roughly 250 metre radius of the Site;

3. INTERVIEWS: including persons that may have pertinent information with regard to the Site, including contacts from the City of Burlington, Ministry of the Environment, Conservation and Parks [MOE], and current / previous land owners, etc.;

4. EVALUATIONS: Based on the information gathered, a professional evaluation of the property is presented in a final Phase One ESA Report.

Ontario Regulation 153/04 [as amended] lists fifty-nine [59] potentially contaminating activities [PCAs] that require intrusive assessment activities, i.e. a Phase Two ESA, to determine if an adverse environmental impact is present on the Site if a PCA is found to have occurred on the Phase One ESA Site. In some circumstances a Phase Two ESA may be required if a PCA has occurred on a neighbouring or nearby property within the Phase One ESA study area if deemed necessary by the Qualified Person [QP] overseeing the Phase One ESA. However, it is noted that under *Ontario Regulation 153/04* [as amended] the mandatory Phase Two ESA activities apply only to properties that are subject to a Record of Site Condition. It is our understanding that this Phase One ESA report is required as a supporting document for the submission of a Record of Site Condition [RSC] for the Site.

2.0 SITE DESCRIPTION

The Site is comprised of three [3] contiguous parcels of land that form a roughly rectangular shaped property on the east side of Clearview Avenue between Masonry Court and Queen Mary Avenue in the city of Burlington, Ontario.

At the time of this Report the 1085 Clearview property was occupied by a single storey community use building located toward the northwest corner of the Site. The remainder of the Site was comprised primarily of an asphaltic-concrete covered parking lot structure with some landscaped areas around the perimeter of the Site. In addition, the Matthews Avenue properties are occupied by two [2] 1½-storey dwellings with a basement, and a 1½-storey commercial use building with a basement and a detached garage were erected along the eastern portion of the property.

The Site was bound to the north by Masonry Court, to the east by St. Matthews Avenue, to the south by residential properties, and to the west by Clearview Avenue.

For descriptive purposes, Clearview Avenue has been designated as having a north-south alignment.

The legal description of the parcel identified with municipal addresses 1082 St. Matthews Avenue and 1085 Clearview Avenue is “Lots 26, 27 and 28, Plan PF753; Lot 64, Plan PF665; City of Burlington”.

The legal description of the parcel identified with municipal address 1086 St. Matthews Avenue is “Lot 65, Plan PF665; City of Burlington”.

The legal description of the parcel identified with municipal address 1090 St. Matthews Avenue is “Lot 66, Plan PF665; City of Burlington”.

The geographic coordinates of the Site using a hand-held global positioning unit are [NAD 83] 17T 592450E/ 4797650N.

An illustration of the Site and Phase One ESA study area, as well as a general site location plan, is attached in Appendix ‘A’ of this Report for reference.

A summary of Site and on-site structures, are presented below:

Site Feature	Description
Area of Site	~0.68 hectares
Number of on-site Buildings	A single storey community use building with no basement [1085], two [2] 1½-storey dwellings with basements [1086 &1090], a detached garage [1086 garage], and a 1½-storey commercial use building with basement [1082]
Approximate Area of Buildings	1082: ~100m^2 1085: ~620m^2 1086: ~105m^2 1090: ~80m^2

Approximate Date of Construction	1082: Prior to 1951 1085: Circa 1986 1086: Prior to 1951 1090: Prior to 1951
Floor Surfaces	1082: A mixture of laminate and vinyl flooring with select areas of ceramic tile, poured concrete floor in basement 1085: Primarily carpet with ceramic tiles in bathrooms and concrete in furnace room 1086: Primarily laminate flooring with select carpeted areas, poured concrete floor in basement 1090: Primarily carpet with select areas of ceramic tile and vinyl sheeting
Ceiling Surfaces	1082: Majority drywall with some ceiling tiles and exposed wood joists in basement 1085: Drop ceiling tile 1086: Drywall, exposed wood joists in basement 1090: Drywall, some exposed wood joists in basement
Interior Walls	1082: Majority drywall, MDF, particle board and exposed concrete block in basement 1085: Primarily drywall with some ceramic tile in bathrooms 1086: Drywall with exposed concrete block in basement 1090: Primarily drywall with some wood paneling in upstairs bathroom, some concrete block in basement
Exterior Walls	1082: Brick over concrete block, some aluminum siding 1085: Primarily decorative concrete block with some metal siding 1086: Fiberglass siding over concrete block 1090: Sand and pebble over concrete block, some aluminum siding
Heating/ Cooling	All: Natural gas furnace / central air
Landscaped Areas	Some grass with sparse trees around the perimeter of the Site.
Asphalt Covered Areas	Entire parking lot on western portion of Site, driveways to dwellings and commercial use building on eastern portion of the Site.
Granular Covered Areas	None observed
Other Structures	A detached single storey garage building was erected on the 1086 St. Matthews Ave parcel.

2.1 PHASE ONE ESA STUDY AREA

The Phase One ESA Study Area consists of the lands generally in a 250-metre radius from the limits of the Phase One ESA property. These lands are primarily comprised of a mixture of retail commercial, residential, and vacant lands. The research undertaken during this Phase One ESA revealed information that suggests there is a PCA on nearby properties that may contribute to an area of potential environmental concern [APEC] on the Phase One property.

Additional information, specific to the nature of the land use of the properties of interest in the Phase One ESA Study Area is presented in Section 3.2, 3.3, and 3.4 of this Report.

2.2 SERVICES AND UTILITIES

The following services are available in the vicinity of the Site:

- Natural Gas
- Electrical
- Municipal Water Supply
- Storm Water Sewers
- Sanitary Sewers

2.3 GEOLOGIC SETTING

A review of the Ministry of Northern Development and Mine's "Quaternary Geology of the Hamilton Area, Southern Ontario Sheet Map M2509" and the "Paleozoic Geology of the Hamilton Area, Southern Ontario Sheet Map M2336", revealed the Site to be underlain by lacustrine and outwash sand, in turn, underlain by Halton Till: clay or silt till and then Upper Ordovician Queenston Formation shale bedrock. This has been borne out by SOIL-MAT ENGINEERS' geotechnical experience in the general vicinity of the Site and on the Site.

The project area is generally flat and level with surface water runoff being directed towards several on-site catch basins as well as to the east towards St. Matthews Avenue.

Regional groundwater flow is expected to the southeast toward Lake Ontario.

Surface water was not encountered on the Site during SOIL-MAT's Site visits.

2.4 DESCRIPTION OF ADJACENT LAND USE

The adjacent properties are comprised primarily of vacant undeveloped land, residential and commercial operations.

A description of the adjacent properties, based on visual observations made from the Site, is presented on the following page:

	North	East	South	West
Adjoining Property/ Operation	Masonry Court	St. Matthews Avenue	Residential	Clearview Avenue
Potential Hazardous Materials	None observed	None observed	None observed	None observed
Potential Storage Tanks	None observed	None observed	None observed	None observed
Direction with respect to the inferred ground water flow	Up-gradient	Trans-gradient	Down-gradient	Trans-gradient
General Vicinity	Vacant undeveloped land	Residential	Residential / commercial [Solid Gold, Tofun Marine Supply, Royal Inn]	Residential / Commercial [Etratech, DeLuca Roofing, Burlington Pump Inc.]

With respect to Etratech [Electronics Manufacturer] listed above, given the location of this property to the Site with respect to the inferred ground water flow direction [down-gradient] and the distance between this property [approximately 140 metres south-southwest] and the Site an adverse environmental impact to the Site from this property is considered remote.

With the exception of the above, the visual observations of the adjoining lands did not reveal any existing operations that undertake PCA(s) on their properties.

3.0 HISTORICAL RECORDS REVIEW

3.1 SITE INTERVIEWS AND RECORDS REVIEW

There were no existing Site records available for viewing at the time of the Site reconnaissance.

3.2 AERIAL PHOTOGRAPHS

Aerial photographs from 1951, 1954, 1959, 1978, 1988, 2004, 2009, and 2017 were available for the Site and surrounding lands and were reviewed by SOIL-MAT ENGINEERS.

A summary of information obtained from the photographs is presented below:

Aerial Photo/ [scale]	Site Description	Description of Adjacent Lands
1951 [1:4,500]	The Site is occupied by a single dwelling at the west end of the Site and three [3] dwellings erected on the eastern portion of the Site. The remainder of the Site is undeveloped.	The surrounding lands are comprised of a mixture of residential and vacant agricultural land. A concrete plant / quarry is present to the north of the Site, and sparse commercial lands are present to the southeast of the Site along Plains Road East. Greenhouses are also present to the east of the Site.
1954 [1:5,750]	There are no significant changes to the Site.	There are no significant changes to the surrounding lands.
1959 [1:4,100]	There are no significant changes to the Site.	There is residential development to the east and northeast from the Site as well as further commercial development along Plains Road East.
1978 [1:4,400]	There are no significant changes to the Site.	There are no significant changes to the surrounding lands.
1988 [1:5,200]	The dwelling on the western portion of the Site has been demolished and the community use building that currently occupies the western portion of the Site is now present.	There are no significant changes to the surrounding lands.
2004 [1:3,800]	There are no significant changes to the Site.	The concrete plant to the north is no longer present, and there is commercial development to the south and southwest.
2009 [1:3,800]	There are no significant changes to the Site.	With the exception of a large parking lot being present to the north and the greenhouses to the east being demolished and replaced with residential lands, there are no significant changes to the surrounding lands.
2017 [1:3,850]	There are no significant changes to the Site.	There are no significant changes to the surrounding lands.

With respect to the greenhouses listed above, given the location of the property to the Site with respect to the inferred ground water flow direction [down-gradient] and the distance between this property and the Site [approximately 180 metres east-southeast from the Site], an adverse environmental impact to the Site from these properties is considered remote.

With respect to the concrete plant listed above, given the location of this property to the Site with respect to the inferred ground water flow direction [up-gradient] and the distance between this property and the Site [approximately 100 metres northwest], the operations carried out on this property are considered PCAs that may result in an APEC on the Site. The COCs associated with this property are petroleum hydrocarbons [PHCs], volatile organic compounds [VOCs], polycyclic aromatic hydrocarbons [PAHs], and metals.

With the exception of the above, the review of the noted aerial photographs did not reveal any information that would suggest there is a potential environmental liability on the Site.

The aerial photographs are included in Appendix 'B' for reference.

3.3 TOPOGRAPHIC MAPS

Readily available topographic maps for the Site and the Phase One ESA study area were reviewed as part of this Phase One ESA and revealed the following information:

Map Year [Scale]	Site Description	Description of Surrounding Lands
1909 [1:63,360]	There are no buildings illustrated on the Site.	The Phase One ESA Study Area is comprised of primarily undeveloped lands with sparse residential.
1938 [1:63,360]	There are no buildings illustrated on the Site.	The Phase One ESA Study Area is comprised of primarily undeveloped lands with some development to the south and along Plains Road East. A quarry is now present to the north-northwest of the Site.
1968 [1:50,000]	There are no buildings illustrated on the Site, however, the Site is illustrated in a shaded area of the map which indicates a 'built up' or developed area.	The Phase One ESA Study Area is comprised of primarily developed lands with a quarry illustrated to the northwest of the Site.
1999 [1:50,000]	There are no buildings illustrated on the Site, however, the Site is illustrated in a shaded area of the map which indicates a 'built up' or developed area.	The Phase One ESA Study Area is comprised of primarily developed lands with a concrete plant illustrated to the northwest of the Site.

As noted in Section 3.2 above, given the location of former concrete plant property to the Site with respect to the inferred groundwater flow direction [up-gradient] and the distance between the property and the Site [approximately 100 metres northwest], the operations carried out on this property are considered PCAs that may result in an APEC on the Site.

With the exception of the above, the review of the topographic maps did not reveal any PCAs that would suggest there is a potential environmental liability on the Site.

A copy of the topographic maps and each source information is included in Appendix 'C' for reference.

3.4 HISTORICAL SITE USE AND CONDITIONS/ PAST LAND USES

The Vernon City Directory series were reviewed dating back to 1960 to establish the general historical land use on and in the immediate vicinity of the Site. A summary of SOIL-MAT ENGINEERS' findings for the Site is provided below:

Site	
Occupant – 1085 Clearview Avenue	Years Occupied
Hamilton Meeting Rooms Association	23+ years [1990 – 2013]
Buchan, S.	1+ years [1985 only year listed]
Steve's Renovations	1+ years [1985 only year listed]
Carmody, G.	19+ years [Before 1960 – 1979]

Site	
Occupant – 1082 St. Matthews Avenue	Years Occupied
Baird, J.	18+ years [1995 – 2013]
Lewis, A.	1+ years [1990 only year listed]
Gunn, I.	5+ years [1980 – 1985]
Kilthau, C.	15+ years [Before 1960 – 1975]

Site	
Occupant – 1086 St. Matthews Avenue	Years Occupied
Marshall, J.	28+ years [1985 – 2013]
Vacant	1+ years [1980 only year listed]
Hoffacker, W.F.	1+ years [1975 only year listed]
Toomer, Walter	10+ years [Before 1960 – 1970]

Site	
Occupant – 1090 St. Matthews Avenue	Years Occupied
Fernandez, I.	28+ years [1985 – 2013]
Ryckman, H.	5+ years [1975 – 1980]
Vaillancourt, J.	5+ years [1965 – 1970]
Sims, J.A.	1+ years [1960 only year listed]

The directories do not list any current or past occupant of the Site that should be considered a potential contaminating activity that may result in an area of potential environmental concern on the Site.

A summary of the historical occupants of the adjoining properties is listed below:

Location	Property	Occupant	Years Occupied
101 Masonry Court [Located ~100 metres northwest of the Site] [Up-gradient]	Industrial	TCG Materials Ltd. – Cooke Concrete Division	39+ years [Before 1960 to 1999]

1047 Cooke Boulevard [Located ~140 metres south-southwest of the Site] [Down-gradient]	Commercial	Etratech Designs Inc.	16 years [2000 – Present]
71 Plains Road East [Located ~270 metres southeast of the Site] [Down-gradient]	Commercial	Howie Service Station	4 years [1965 – 1969]
	Commercial	Evans Service Station	7+ years [Before 1957 – 1964]
1040 Bedford Avenue [Located ~180 metres east-southeast of the Site] [Down-gradient]	Commercial	Aldershot Greenhouses Ltd.	9 years (2001 – 2010)
133 Plains Road East [Located ~280 metres east-southeast of the Site] [Down-gradient]	Commercial	Fina Service Station	8 years (1959 – 1967)
35 Plains Road East [Located ~340 metres south of the Site] [Down-gradient]	Commercial	Jim + Ed's Service Station	5 years (1959 – 1964)

With respect 101 Masonry Court listed above, given the location of this property to the Site with respect to the inferred ground water flow direction [up-gradient] and the distance between this property and the Site [approximately 100 metres northwest], the operations carried out on this property are considered a PCA that may result in an APEC on the Site. The COPCs associated with this property are PHCs, VOCs, PAHs and Metals.

With respect to the other properties listed above, given the locations of these properties to the Site with respect to the inferred ground water flow direction and the distance between these properties and the Site an adverse environmental impact to the Site from these properties is considered remote.

Aside from the above listed properties, the directories do not list any current or past occupant of the adjacent lands that should be considered a potential environmental liability to the Site.

3.5 TITLE SEARCH

A representative of SOIL-MAT ENGINEERS undertook a title search of the Site at the Land Registry Office in Milton, Ontario.

The title search revealed J. Cooke (Concrete Blocks) Ltd. as a past owner of the Site that may be considered a potential liability on the Site, however, all other documentation does not suggest that any industrial operations have occurred on the Site.

Aside from the above, the title search of the Site did not reveal any past owners of the Site that may suggest there is a potential environmental liability on the Site.

The 1085 Clearview Ave. and 1082 St. Matthews Ave. portion of the Site was owned by Hamilton Area Meeting Rooms Association and the 1086 and 1090 St. Matthews Ave. portion of the Site was owned by LIV Developments Ltd. at the time of the title search.

The chain of previous ownership is presented below:

Owner – Lots 26 & 27	**Occupied**
Hamilton Area Meeting Rooms Association	October 19, 1981 – Present
Zykra Enterprises Ltd. [J. Cooke Blocks (Aldershot) Ltd.]	September 8, 1955 – October 19, 1981
Donald L. Grierson & J. Cooke (Concrete Blocks) Ltd.	September 8, 1955
The Director, The Veterans Land Act & J. Cooke (Concrete Blocks) Ltd.	May 10, 1947 – September 8, 1955
George D. Filman & The Director, The Veterans Land Act	January 22, 1947 – May 10, 1947
George D. Filman	December 31, 1924 – January 22, 1947
Robert L. Scott	October 27, 1923 – December 31, 1924
Mabel A. Thomson	August 3, 1912 – October 27, 1923
Alexander W. Brown	November 27, 1880 – August 3, 1912
Alexander Brown	November 29, 1854 – November 27, 1880
William Applegarth	December 2, 1833 – November 29, 1854
Crown	Up to December 2, 1833

Owner – Lots 28 & 64	**Occupied**
Hamilton Area Meeting Rooms Association	November 10, 1988 – Present
Karen Aspden	February 7, 1986 – November 10, 1988
Ian Gunn + Karen Aspden	May 3, 1976 – February 7, 1986
Conrad Kilthan & Cecile Kilthan	December 4, 1964 – May 3, 1976
Conrad Kilthan	April 5, 1961 – December 4, 1964
Conrad Kilthan & Caroline Kilthan	July 19, 1955 – April 5, 1961
George D. Filman	December 31, 1924 – July 19, 1955
Robert L. Scott	October 27, 1923 – December 31, 1924
Mabel A. Thomson	August 3, 1912 – October 27, 1923
Alexander W. Brown	November 27, 1880 – August 3, 1912
Alexander Brown	November 29, 1854 – November 27, 1880
William Applegarth	December 2, 1833 – November 29, 1854
Crown	Up to December 2, 1833

Owner – Lot 66	Occupied
LIV Developments Ltd.	July 31, 2018 - Present
Ivan Norbert and Linda Christine Fernandez	March 30, 1984 – July 31, 2018
Ronald J. Kallman	December 15, 1978 – March 30, 1984
Zykra Enterprises [J. Cooke Blocks (Aldershot) Ltd.]	January 17, 1962 – December 15, 1978
J. Cooke (Concrete Blocks) Ltd.	May 15, 1946 – January 17, 1962
Jacob Cooke	June 28, 1945 – May 15, 1946
Albert G. and Mary G. Scheer	November 5, 1924 – June 28, 1945
Albert G. Scheer	May 2, 1922 – November 5, 1924
John Sproat	December 10, 1915 – May 2, 1922
Alexander W. Brown	November 27, 1880 – December 10, 1915
Alexander Brown	November 29, 1854 – November 27, 1880
William Applegarth	December 2, 1833 – November 29, 1854
Crown	Up to December 2, 1833

Owner – Lot 65	Occupied
LIV Developments Ltd.	July 31, 2018 - Present
Bozenna Marshall	February 11, 2000 – July 31, 2018
James and Bozenna Marshall	September 29, 1987 – February 11, 2000
Zykra Enterprises [J. Cooke Blocks (Aldershot) Ltd.]	January 17, 1962 – September 29, 1978
J. Cooke (Concrete Blocks) Ltd.	May 15, 1946 – January 17, 1962
Jacob Cooke	June 28, 1945 – May 15, 1946
Albert G. and Mary G. Scheer	November 5, 1924 – June 28, 1945
Albert G. Scheer	May 2, 1922 – November 5, 1924
John Sproat	December 10, 1915 – May 2, 1922
Alexander W. Brown	November 27, 1880 – December 10, 1915
Alexander Brown	November 29, 1854 – November 27, 1880
William Applegarth	December 2, 1833 – November 29, 1854
Crown	Up to December 2, 1833

A copy of the title search is included in Appendix ‘D’ for reference.

3.6 FIRST DEVELOPED USE OF SITE

Based on the information available to SOIL-MAT ENGINEERS, the Site was first developed between 1938 and 1951 as residential lands.

3.7 PREVIOUS PHASE ONE REPORTS

SOIL-MAT ENGINEERS contacted the City of Burlington Planning Department to request a copy of previous environmental reports for the Site that may be on file with the City. However, the results of the request were not available at the time of writing.

The e-mail correspondence with the City of Burlington is included in Appendix ‘E’ for reference.

In addition, a search of the MOE’s *Brownfields Environmental Site Registry* did not reveal a previous Phase One ESA that may have been undertaken on the Site. In addition to the above, it should be noted that a Record of Site Condition has been filed

for the former concrete plant to the northwest from the Site [RSC #222207]. The COCs identified in the RSC for the property are petroleum hydrocarbons [PHCs], volatile organic compounds [VOCs], polycyclic aromatic hydrocarbons [PAHs], and metals.

In addition to the above, SOIL-MAT ENGINEERS recently completed a Phase One ESA for a portion of the subject Site in late 2016 [refer to SOIL-MAT ENGINEERS report no.: SM 166997-E, dated November 23, 2016]. The findings of the Phase One ESA report are outlined below:

At the time of this Report the Site was comprised of a roughly rectangular shaped parcel of land with no readily available records that indicate any past industrial or commercial operations having occurred on the Site.

With respect to the neighbouring and nearby properties, the Phase One ESA research revealed a nearby property [101 Masonry Court] that historically undertook operations that are considered PCAs that may cause an APEC on the Site. However, as stated in section 3.11 of this Report, limited background environmental testing did not indicate any exceedances of the applicable Table 3 Standards for the secured soil samples. In addition, no visual or olfactory evidence of a suspected adverse environmental impact to the retrieved soil samples was documented during the Geotechnical Investigation. In addition, it is noted that an RSC was previously submitted and acknowledged for this off-site property, which indicates that the property met the applicable Ontario Regulation 153/04 [as amended] site condition standard at the time. Given the above, the former operation(s) on this property not considered a significant environmental concern to the Site.

With the exception of the above, the lands in the general vicinity of the Site are comprised of commercial, residential, and vacant lands that based on the information currently available to SOIL-MAT ENGINEERS are not anticipated to have an adverse environmental impact on the Site.

*Based on the findings of the Phase One Environmental Site Assessment, SOIL-MAT ENGINEERS & CONSULTANTS LTD. find the potential of Site contamination to be considered **MEDIUM** and therefore recommend that additional investigations **ARE** required at this time, pending the results of the Ministry of the Environment database search which will be forwarded to LIV COMMUNITIES under a separate cover once they are received in our Office.*

The areas of concern identified during this Phase One ESA are listed below:

PCA Number	***PCA Description***	***Location of the PCA***
30	*Importation of Fill Material of Unknown Quality*	• *A geotechnical investigation was conducted on the Site which indicated the presence of fill material at one borehole location.*

To reduce SOIL-MAT ENGINEERS' degree of uncertainty associated with the environmental liabilities listed above, further assessment activities are recommended.

Each environmental liability, and our rationale for further assessment activities, is provided on the following page:

Environmental Liability	***PCA#***	***Recommendation***	***Rationale***
Fill Material of Unknown Quality	*30*	*Advance of a series of boreholes to delineate the vertical and lateral extent of the fill material.*	*Confirm or refute that the pre-existing fill material is suitable for use on the Site in terms of the environmental characteristics of the fill with respect to the applicable site condition standards. The COC should include Metals and Inorganics.*

Given the above findings of the Phase One ESA, a Phase Two ESA was conducted for the same portion of the subject Site in mid 2017 by this office [refer to SOIL-MAT ENGINEERS report no.: SM 177469-E, dated July 24, 2017]. Although not identified as a PCA in the initial Phase One ESA, the off-site concrete plant was addressed with additional intrusive sampling in the Phase Two ESA. The findings and recommendations of the Phase Two ESA report are outlined below:

Soil-Mat Engineers WERE RETAINED BY LIV Communities TO UNDERTAKE A PHASE TWO ESA PROGRAMME ON THE SITE TO ASSESS POTENTIAL ADVERSE ENVIRONMENTAL IMPACT(S) TO THE SOIL AND GROUNDWATER MEDIUMS AS A RESULT OF TWO [2] PCAS ASSOCIATED WITH THE SITE AND NEIGHBOURING LANDS.

The results of our Phase Two ESA findings are summarized below:

PAH SOIL EXCEEDANCE AREA

The Phase Two ESA activities carried out by Soil-Mat Engineers did not reveal any PAH exceedances on the property at the select sampled locations.

The sample locations are illustrated on Drawing.: 5, Appendix A.

METAL SOIL EXCEEDANCE AREA

The Phase Two ESA activities carried out by SOIL-MAT ENGINEERS revealed elevated levels of Sodium Adsorption [SAR] and Electrical Conductivity [EC] parameters in the sand fill and upper levels of the native sand in the vicinity of Borehole Nos. 204 and 206.

The elevated levels of SAR and EC are likely associated with the effects of historical application of deicing salt to the parking lot area of the facility. It is noted that the lateral and vertical extent of the soil exhibiting an adverse SAR and/or EC impact was not fully delineated during this round of Phase Two ESA testing.

The sample locations with noted metal exceedance(s) are illustrated on Drawing.: 3, Appendix A.

VOC SOIL EXCEEDANCE AREA

The Phase Two ESA activities carried out by SOIL-MAT ENGINEERS did not reveal a VOC exceedance in the soil on the property.

The sample locations are illustrated on Drawing.: 4, Appendix A.

PHC SOIL EXCEEDANCE AREA

The Phase Two ESA activities carried out by SOIL-MAT ENGINEERS did not reveal a PHC exceedance in the soil on the property.

The sample locations are illustrated on Drawing.: 2, Appendix A

GROUNDWATER ANALYTICAL DATA

SOIL-MAT ENGINEERS' final Phase Two ESA activities undertaken on the Site [to date] did not reveal any exceedances of the PHC, PAH, Metal and VOC groupings in the groundwater medium.

As noted in Section 5.7 of this Report, the initial sampling event of our groundwater monitoring well 'MW205' exhibited an elevated level of PHCs, as Fraction F2, in the initial sampling event. However, resampling the groundwater at this location, after purging the monitoring well a second time, resulted in no exceedances of the Table 3 site condition standards, with all of the tested parameters being reported below the laboratory method detection limits.

As such, it is the opinion of SOIL-MAT ENGINEERS that the initial exceedances can be considered an anomaly.

The groundwater sampling locations are illustrated on Drawing.: 6 to 9, Appendix A.

PROPOSED FUTURE RESIDENTIAL REDEVELOPMENT

Given the proposed future use of the Site [residential], the Site would be subject to a <u>mandatory</u> Record of Site Condition [RSC] filing. In order to complete and file an RSC the properties will either need to meet the applicable Ontario Regulation 154/04 [as amended] soil and groundwater standards or be subjected to some level of risk assessment activities. In either scenario, additional intrusive sampling is recommended to complete the following:

- *Further delineate the lateral and vertical extent of the elevated levels of SAR and EC in the soil medium on the Site. If removal of the fill is pursued, the additional lateral and vertical assessment activities would also be beneficial in determining an approximate volume of soil material to be removed for remedial purposes.*

- *The on-Site materials may be remediated employing a traditional "dig and dump" operation. In this scenario, confirmatory soil sampling would be undertaken on the sidewalls and floor [base] of the remedial excavation. The number of samples would be determined based on the final dimensions of the remedial excavation.*
- *In the event that the Site is subjected to some level of Risk Assessment [whether a modified generic RA or a Site Specific RA], additional intrusive sampling will be required to establish the lateral and vertical extent of the impact(s) to the soil mediums. It is also noted, that although still preliminary in nature, the laboratory analytical test results [to date] indicate that some level of soil removal and future control measures, such as hard or soft caps, would be required to support the acceptance of an MGRA or SSRA for the Site.*

Given the above environmental reports, the off-site concrete plant identified in the above sections as a PCA is not considered to be an environmental liability to the Site at this time. However, the previous reports did identify an area of fill material on the Site with elevated levels of select COCs, specifically 'EC' and 'SAR'. As such, this fill material is considered a PCA and will need to be addressed with further intrusive sampling.

3.8 LANDFILL SITE DIRECTORY

A review of the Ministry of Environment and Energy's "Waste Disposal Site Inventory", June 1991, indicates one [1] active and no inactive waste disposal sites within a 2km radius of the Site. An updated list at the Ministry of Environment website [http://www.ene.gov.on.ca/environment/en/monitoring_and_reporting/limo/landfills/index.htm] shows that the active landfill in the June 1991 "Waste Disposal Site Inventory" is now listed as closed.

A list of the landfill property is provided below for reference.

MOE Site No.	Municipality	Location	Date Closed	Class	Distance to Site
A 210102	Burlington	Part Lot 4, Concession 1	After 1991	A3	1.76km NW

With respect to the inactive waste disposal site, class 'A3' sites are registered to receive municipal and domestic wastes and are located in an urban setting. In the case of the class 'A3' waste disposal site listed above, the property has been closed for less than 22 years. Given the distance between this property and the Site an adverse environmental impact to the Site from this property is considered remote.

It is noted that not all of the inactive and active landfill sites are listed in the document.

In addition, no Municipal Coal Gasification Plants or Coal Tar Distillation Plants were in operation in the area.

3.9 FIRE INSURANCE MAPPING [UNDERWRITER'S BUREAU LIMITED]

The Underwriter's Survey Bureau Limited Fire Insurance Plans were reviewed for the purpose of identifying structures, building materials and/ or underground storage tanks that may have been present on/ or near the Site. A summary of SOIL-MAT ENGINEERS' findings is presented below:

Date of Plan	Findings
Sept. 1971	One underground storage tank [UST] is illustrated on an auto service station property located at 71 Plains Road East, approximately 270 metres southeast from the Site. Given the distance between this property and the Site and the location of the property to the Site with respect to the inferred ground water flow direction, i.e. down-gradient, an adverse environmental impact to the Site from this property is considered remote.
Sept. 1971	Two USTs are illustrated at a gas bar located at 114 St. Matthews Avenue, approximately 100 metres north-northeast from the Site. Given the distance between this property and the Site and the location of the property to the Site with respect to the inferred ground water flow direction, i.e. trans-gradient, an adverse environmental impact to the Site from this property is considered remote.
Sept. 1971	A concrete block manufacturing company located at 114 St. Matthews Avenue, approximately 100 metres north-northwest from the Site. Given the distance between this property and the Site and the location of the property to the Site with respect to the inferred ground water flow direction, i.e. up-gradient, there may be an adverse environmental impact to the Site from this property.
Sept. 1971	Greenhouses are illustrated at 1041 St. Matthews Avenue, located approximately 180 metres east-southeast from the Site. Given the distance between this property and the Site and the location of the property to the Site with respect to the inferred ground water flow direction, i.e. down-gradient, an adverse environmental impact to the Site from this property is considered remote.

3.10 REVIEW OF MINISTRY OF ENVIRONMENT, CONSERVATION AND PARKS DATABASE

The Ministry of the Environment's Freedom of Information and Protection of Privacy Office was contacted to determine if any spills have been reported in the area of the Site, if any buried tanks are recorded to be on-site, or if there are any orders and/or notices on file outstanding against the Owner of the Site. The Ministry does not have any records of:

1. Spills in the area of your property;
2. Outstanding orders / notices against;
3. Buried private use gasoline / diesel fuel storage tanks at your property.

We should note that spill records are only available from 1988 to present and most are only reported voluntarily. In addition, underground storage tanks installed prior to 1990 are not registered with the Ministry.

SOIL-MAT ENGINEERS' MOE database search request is attached in Appendix 'F' for reference.

3.11 SITE SPECIFIC GEOTECHNICAL REPORTS

SOIL-MAT ENGINEERS' were retained by LIV COMMUNITIES in 2016 to undertake a Geotechnical Investigation of the Site. The geotechnical investigation included the advancement of five [5] sampled boreholes to depths ranging from approximately 6.6 to 11.1 metres below ground surface on September 26, 2016. [refer to SOIL-MAT ENGINEERS' Report No.: SM 166996-G].

A summary of the geotechnical investigation findings is provided below.

Pavement Structure

All of the boreholes were advanced through the pavement structure of the existing paved parking areas around the existing building. The existing pavement structure was found to consist of approximately 75 to 90 millimetres of asphaltic concrete overlying 150 to 225 millimetres of compact granular base.

Sand Fill

A deposit of sand fill was encountered beneath the pavement structure in Borehole No. 4. This fill deposit of was brown in colour, medium in gradation, contained trace to some gravel and trace silt, in a generally very loose state. The fill deposit was proven to a depth of approximately 4 metres beneath the existing pavement surface where encountered.

Sand

Native brown sand was encountered beneath the pavement structure and/or fill material at all borehole locations. This granular soil contains trace to some gravel and trace silt, with occasional cobbles. The sand is medium in gradation, and is generally in a loose to dense state. The sand was proven to depths of approximately 4.8 to 6.4 metres.

Clayey Silt

Native clayey silt was encountered beneath the sand at all borehole locations. They clayey silt encountered was reddish brown in colour, contained trace to some sand and gravel, and was generally firm to stiff in consistency. The clayey silt was proven to termination in Borehole Nos. 1 through 4, and to approximately 10.1 metres in Borehole No. 5.

Sand and Gravel

Coarse sand and gravel was encountered in Borehole No. 5 beneath the clayey silt, at a depth of approximately 10.1 metres. This coarse granular soil is brown, and generally in a compact state. The sand and gravel was proven to termination at a depth of 11.1 metres.

A review of available published information [Quaternary Geology of Ontario, Southern Sheet Map 2556] indicates the subsurface soils to consist of coarse-textured

glaciolacustrine deposits of sand and gravel, with minor silt and clay. These conditions are consistent with our experience in the area and observations during our fieldwork.

Groundwater Observations

All of the boreholes were recorded as 'wet' at depths ranging from approximately 3.7 to 7.9 metres upon completion of drilling. It is noted that insufficient time would have passed for the static groundwater level to stabilise in the open boreholes. Based on our observations during drilling and experience in the area, the static groundwater elevation is estimated at depths of between approximately 3 to 5 metres below the existing grade.

3.12 ECOLOG ERIS REPORT

A review of historical records and regulatory agency databases was completed for the Site and lands located within 250 metres from the boundaries of the Phase One ESA Site in 2016 for the previous Phase One ESA conducted by this office that included coverage for the current extent of the Site. The report includes information from the following sources:

- Abandoned Aggregate Inventory
- Aggregate Inventory
- Borehole
- Certificates of Approval
- Environmental Registry
- ERIS Historical Searches
- Fuel Storage Tanks
- Ontario Regulation 347 Waste Generators Summary
- Private and Retail Fuel Storage Tanks
- Record of Site Conditions
- Ontario Spills
- Water Well Information Systems

The EcoLog ERIS database search report revealed limited PCAs on nearby properties. However, given the location of these properties to the Site with respect to the inferred groundwater flow direction and distance between these properties and the Site an adverse environmental impact to the Site is considered remote.

A copy of the EcoLog ERIS Report is included in Appendix 'G' for reference.

3.13 PCB STORAGE INVENTORY

A review of the Ministry of Environment and Energy's "Ontario Inventory of PCB Storage Sites", October, 1991, does not indicate any major or minor storage sites within a 1.5km radius of the Site. It is noted that although the inventory is very comprehensive not all of the storage sites are listed in the inventory.

4.0 SITE RECONNAISSANCE

An initial site reconnaissance was carried out on September 26, 2018 by a representative of this Office. However, at the time of the initial reconnaissance the building at 1082 St. Matthews Ave. was inaccessible. Due to this, a member of this office returned to the Site on October 2, 2018. The weather conditions at the time of both visits did not limit the visual observations of the Site.

A summary of the reconnaissance is provided below.

4.1 FLAMMABLE LIQUIDS

There was no visual evidence of flammable liquids maintained on-site during the Site visit.

Based on our visual observations during the reconnaissance, flammable liquids are not considered an issue at this time.

4.2 POLYCHLORINATED BIPHENYLS [PCBS]

The use of PCBs in electrical equipment, such as hydroelectric transformers, fluorescent lamp ballast and capacitors, was phased out circa 1980.

There was no visual evidence of PCBs maintained on-site during the Site visit. Given the construction date of the community use building [circa 1986], it is unlikely that PCB containing electrical equipment is present in the buildings. However, the other buildings on Site were built prior to 1951 and as such PCB containing electrical equipment may be present in the other buildings on-Site.

4.3 ASBESTOS CONTAINING MATERIALS [ACMS]

ACMs are typically found in construction materials used in buildings constructed prior to 1985.

Friable asbestos is described as ACMs that can be crumbled, crushed or broken into a powder with little force [such as hand pressure]. Friable asbestos is typically found in boiler and pipe insulation and spray fireproofing materials in buildings constructed prior to 1985.

Non-friable asbestos is described as ACMs that can not be crumbled, crushed or broken with little force. Non-friable asbestos is typically found in construction materials such as vinyl floor tiles, roofing tars, ceiling tiles, and asbestos cement, etc.

There was no visual evidence of ACMs maintained on-site during the Site visit. Given the construction date of the buildings [circa 1986], it is unlikely that ACMs are present in the buildings. However, the other buildings on Site were built prior to 1951 and as such ACMs may be present in the other buildings on-Site.

4.4 UREA-FORMALDEHYDE FOAM INSULATION [UFFI]

UFFI was historically used as an insulating agent in residential and commercial buildings constructed prior to the early 1980's.

There was no visual evidence of urea-formaldehyde foam insulation present on-site during the Site visit. Given the construction date of the buildings [circa 1986], it is unlikely that UFFI is present in the buildings. However, the other buildings on Site were built prior to 1951 and as such UFFI may be present in the other buildings on-Site.

4.5 OZONE-DEPLETING SUBSTANCES [ODSS]

The production and use of Chlorofluorocarbons [CFCs] in Canada ceased circa 1993, however, their use in existing equipment is still permitted provided that the equipment is serviced by a licensed contractor and that the equipment is sealed and does not allow the release of CFCs into the environment during operation or servicing.

There was no visual evidence of ozone-depleting substances maintained on-site during the Site visit. Given the construction date of the buildings [prior to 1951 and circa 1986], it is possible that ODSs are present in the buildings.

4.6 LEAD-BASED PAINTS

The use of lead based paints on interior and exterior surfaces susceptible to deterioration and paint flaking was phased out circa 1976, however, some paint that manufactured between 1976 and 1980 has been found to contain trace levels of lead.

There was no visual evidence of lead-based paints maintained on-site during the Site visit. Given the construction date of the buildings [circa 1986], it is unlikely that lead-based paints are present in the buildings. However, the other buildings on Site were built prior to 1951 and as such lead-based paints may be present in the other buildings on-Site.

Various industrial paints may still contain concentrations of lead.

4.7 FUEL STORAGE TANKS

The reconnaissance of the Site did not reveal any obvious visual evidence of a suspected underground or aboveground fuel storage tank.

4.8 GROUND WATER WELLS OR CISTERN

The reconnaissance of the Site did not reveal any obvious visual evidence of a suspected cistern.

However, a number of monitoring wells were noted during the reconnaissance of the Site. These wells were installed in conjunction with the Phase Two ESA conducted in 2017 by this office for a portion of the subject Site. In total, three [3] monitoring wells were noted on the property with all wells terminating at a depth of 7.62 metres below ground surface.

A review of the Ministry of the Environment water well records revealed no potable ground water wells or monitoring wells on the Phase One ESA Site.

Our review of the MOE water well records did not reveal any potable ground water wells in the Phase One ESA Study Area. The records did reveal five [5] monitoring wells and one drilled water well for industrial purposes within the Phase One ESA Study Area. The monitoring wells are located between 100 and 250 metres from the Site and range from 2.1 to 8.2 metres in depth. The industrial well is located 210 metres northwest from the Site and is reported to be 68.6 metres is depth. The purpose of this well was for washing gravel.

4.9 SUSPECTED FILL MATERIAL

The reconnaissance of the Site did not reveal any areas that may have received any suspected fill material. However, as noted in Section 3.11 of this Report, fill material was encountered to approximately 4 metres depth in Borehole No. 4.

4.10 SURFACE STAINING

The reconnaissance of the Site did not reveal any areas that exhibited significant surface staining.

4.11 UNUSUAL ODOURS

The reconnaissance of the Site did not reveal any areas that exhibited unusual odours.

4.12 UNHEALTHY OR DAMAGED VEGETATION

The reconnaissance of the Site did not reveal any areas of apparent unhealthy or damaged vegetation.

4.13 SURFACE WATER

Surface water was not encountered during the Site reconnaissance.

4.14 WASTE GENERATION, STORAGE AND DISPOSAL

Aside from general residential waste, the reconnaissance of the Site did not reveal any waste generation, storage and/or disposal.

4.15 UNIDENTIFIED SUBSTANCES

The reconnaissance of the Site did not reveal any unidentified substances.

4.16 ADJACENT PROPERTIES

The adjacent properties are comprised primarily of vacant undeveloped land and residential properties.

The visual observations of the adjacent properties did not reveal the presence of typical items of concern, including but not limited to:

- aboveground fuel storage tanks;
- vent/ fill pipes associated with underground storage tanks;
- chemical storage in aboveground tanks, drums, containers, etc.;
- sheens on surface/ ponded water, and;
- Areas exhibiting significant surface stains or unusual odours.

All observations were made from select portions of the Site that presented views of the neighbouring lands. It was not possible to have a complete view of all the neighbouring lands due to visual obstructions caused by existing structures, trees, fence lines etc.

5.0 INTERVIEWS

A representative of SOIL-MAT ENGINEERS contacted a number of regulatory agencies and other persons having a direct knowledge of the Site.

The findings of each interview are presented below.

5.1 THE MINISTRY OF THE ENVIRONMENT, CONSERVATION AND PARKS [MOE]

The Ministry of the Environment [MOE] was contacted to gather information with regard to the Site. The Ministry does not have any records of:

1. Spills in the area of your property;
2. Outstanding orders / notices against;
3. Buried private use gasoline / diesel fuel storage tanks at your property.

We should note that spill records are only available from 1988 to present and most are only reported voluntarily. In addition, underground storage tanks installed prior to 1990 are not registered with the Ministry.

SOIL-MAT ENGINEERS' MOE database search request is attached in Appendix 'F' for reference.

5.2 THE CITY OF BURLINGTON – PLANNING DEPARTMENT

SOIL-MAT ENGINEERS contacted the City of Burlington Planning Department to request a copy of previous environmental reports for the Site that may be on file with the City. However, the results of the request were not available at the time of writing.

The e-mail correspondence with the City of Burlington is included in Appendix 'E' for reference.

5.3 TECHNICAL STANDARDS AND SAFETY AUTHORITY [FUELS SAFETY BRANCH]

SOIL-MAT ENGINEERS contacted Ms. Ruchi Chohan of the T.S.S.A. for a previous Phase One ESA for the property conducted by this office in 2016 to undertake a search of the Site and neighbouring properties for the registered presence of any underground storage tanks on these properties. During the 2016 search, the T.S.S.A did not have records on file of any underground storage tanks located on the Site.

The T.S.S.A. has a record of the following:

- **101 Masonry Court**. There are records of two [2] expired USTs approximately 100 metres northwest [up-gradient] from the Site. Although this property is up-gradient from the Site, this property is not considered a significant environmental concern to the Site for the following reasons:
  - Although Soil-Mat Engineers' is not in receipt of the actual report, a remediation programme was undertaken on this property to support the filing and acknowledgement of an RSC for this property;

- The results of the Phase Two ESA conducted for a portion of the Phase One ESA property in 2017 by this office did not reveal any exceedances of the applicable Table 3 RPI Standards or any visual or olfactory evidence of a suggested PHC or VOC impact in the retrieved samples.

- **14 Plains Road East**. There are records of three [3] expired USTs on this property, which is located approximately 450 metres south [down-gradient] from the Site. Given the location of this property to the Site with respect to the inferred ground water flow direction and the distance between this property and the Site, an adverse environmental impact to the Site from this property is considered remote.

An updated search conducted for the current Phase One ESA report did not reveal any additional information that would change the findings of the T.S.S.A records search conducted for the previous Phase One ESA as mentioned above.

It is however noted that the T.S.S.A. does not have records of USTs installed prior 1987. In addition, “private use” USTs were not registered with the agency until 1990, and even then many owners of “private use” USTs do not register the tanks with T.S.S.A.

The e-mail correspondence with the T.S.S.A. is included in Appendix ‘H’ for reference.

6.0 SUMMARY & RECOMMENDATIONS

The Phase One Environmental Site Assessment conducted for this Site consisted of a historical records review, interviews and a site reconnaissance.

At the time of this Report the Site was occupied by a single storey community use building located toward the northwest corner of the Site. In addition, two [2] 1½-storey dwellings with a basement, and a 1½-storey commercial use building with a basement and a detached garage were erected along the eastern portion of the property. The remainder of the Site was comprised primarily of an asphaltic-concrete covered parking lot structure with some landscaped areas around the perimeter of the Site.

In addition, there were no readily available records that indicate any past industrial or commercial operations have occurred on the Site.

With respect to the subject property, the previous Phase One ESA and Phase Two ESA conducted by this office indicated an area of fill material with elevated levels of certain metals parameters [specifically EC and SAR] to be present on the Site. As such, the fill material is considered a PCA.

With respect to the neighbouring and nearby properties, the Phase One ESA research revealed a nearby property [101 Masonry Court] that historically undertook operations that are considered PCAs that may cause an APEC on the Site. However, as stated in section 3.7 of this Report, a former Phase One ESA and Phase Two ESA with intrusive soil and groundwater background environmental testing did not indicate any exceedances of the applicable Table 3 Standards for the Contaminants of Concern. In addition, no visual or olfactory evidence of a suspected adverse environmental impact to the retrieved soil and groundwater samples was documented during the previous Phase Two ESA and Geotechnical Investigation. In addition, it is noted that an RSC was previously submitted and acknowledged for this off-site property, which indicates that the property met the applicable Ontario Regulation 153/04 [as amended] site condition standard at the time. Given the above, the former operation(s) on this property are not considered a significant environmental concern to the Site.

With the exception of the above, the lands in the general vicinity of the Site are comprised of commercial, residential, and vacant lands that based on the information currently available to SOIL-MAT ENGINEERS are not anticipated to have an adverse environmental impact on the Site.

Based on the findings of the Phase One Environmental Site Assessment, SOIL-MAT ENGINEERS & CONSULTANTS LTD. find the potential of Site contamination to be considered **MEDIUM** and therefore recommend that additional investigations **ARE** required at this time, pending the results of the Ministry of the Environment database search which will be forwarded to LIV COMMUNITIES under a separate cover once they are received in our Office.

The areas of concern identified during this Phase One ESA are listed below:

PCA Number	PCA Description	Location of the PCA
30	Importation of Fill Material of Unknown Quality	• A former Phase Two ESA conducted for the Site in this office revealed an area of fill material with elevated levels of certain metals parameters.

To reduce SOIL-MAT ENGINEERS' degree of uncertainty associated with the environmental liabilities listed above, further assessment activities are recommended. Each environmental liability, and our rationale for further assessment activities, is provided on the following page:

Environmental Liability	PCA#	Recommendation	Rationale
Fill Material of Unknown Quality	30	Advance of a series of boreholes to delineate the vertical and lateral extent of the fill material.	Confirm or refute that the pre-existing fill material is suitable for use on the Site in terms of the environmental characteristics of the fill with respect to the applicable site condition standards. The COC should include Metals and Inorganics.

Although not considered an environmental liability to the Site, given the construction date of the on-Site buildings, it is possible that designated substances may be present in the buildings. As such, it is recommended that a non-intrusive designated substance survey of the building be undertaken before any planned demolition or renovation activities that may disturb building materials to identify where possible, designated substances that may be present in the building.

In addition to the above, this Office should be contacted if any additional suspected groundwater well is encountered during future construction activities to make arrangements for the water well as well as the known wells to be abandoned as per *Ontario Regulation 903 – Water Wells*.

7.0 REPORT LIMITATIONS

Achieving the objectives that are stated in this report has required SOIL-MAT ENGINEERS to derive conclusions based upon the best and most recent information currently available to SOIL-MAT ENGINEERS. No investigative method can completely eliminate the possibility of obtaining partially imprecise information. SOIL-MAT ENGINEERS has expressed professional judgement in gathering and analysing the information obtained and in the formulation of its conclusions.

Information in this report was obtained from sources deemed to be reliable, however, no representation or warranty is made as to the accuracy of this information. To the best of SOIL-MAT ENGINEERS' knowledge, the information gathered from outside sources contained in this report on which SOIL-MAT ENGINEERS has formulated its opinions and conclusions, are both true and correct. SOIL-MAT ENGINEERS assumes no responsibility for any misrepresentation of facts gathered from outside sources.

This report was prepared to assess and document evidence of potential environmental contamination, and not to judge the acceptability of the risks associated with such environmental contamination. Much of the information gathered for this report is only accurate at the time of collection and a change in the Site conditions may alter the interpretation of SOIL-MAT ENGINEERS' findings. Furthermore, the reader should note that the Site reconnaissance described in this report was an environmental assessment of the Site, not a regulatory compliance or an environmental audit of the Site.

SOIL-MAT ENGINEERS & CONSULTANTS LTD. prepared this Report for the account of the LIV COMMUNITIES. The material in it reflects SOIL-MAT ENGINEERS' best judgement in light of the information available to it at the time of preparation. 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 such third parties. SOIL-MAT ENGINEERS accepts no responsibility for damages, if any suffered by any third party as a result of decisions made or actions based on this report.

We trust that this Phase One Environmental Site Assessment is satisfactory for your purposes. Please feel free to contact the undersigned if you have any questions.

Sincerely,
SOIL-MAT ENGINEERS & CONSULTANTS LTD.



Ross Keiller
Project Manager

Ian Shaw, P.Eng., QP_{ESA}
Senior Engineer

Keith Gleadall, B.A., EA Dipl.
Environmental Manager

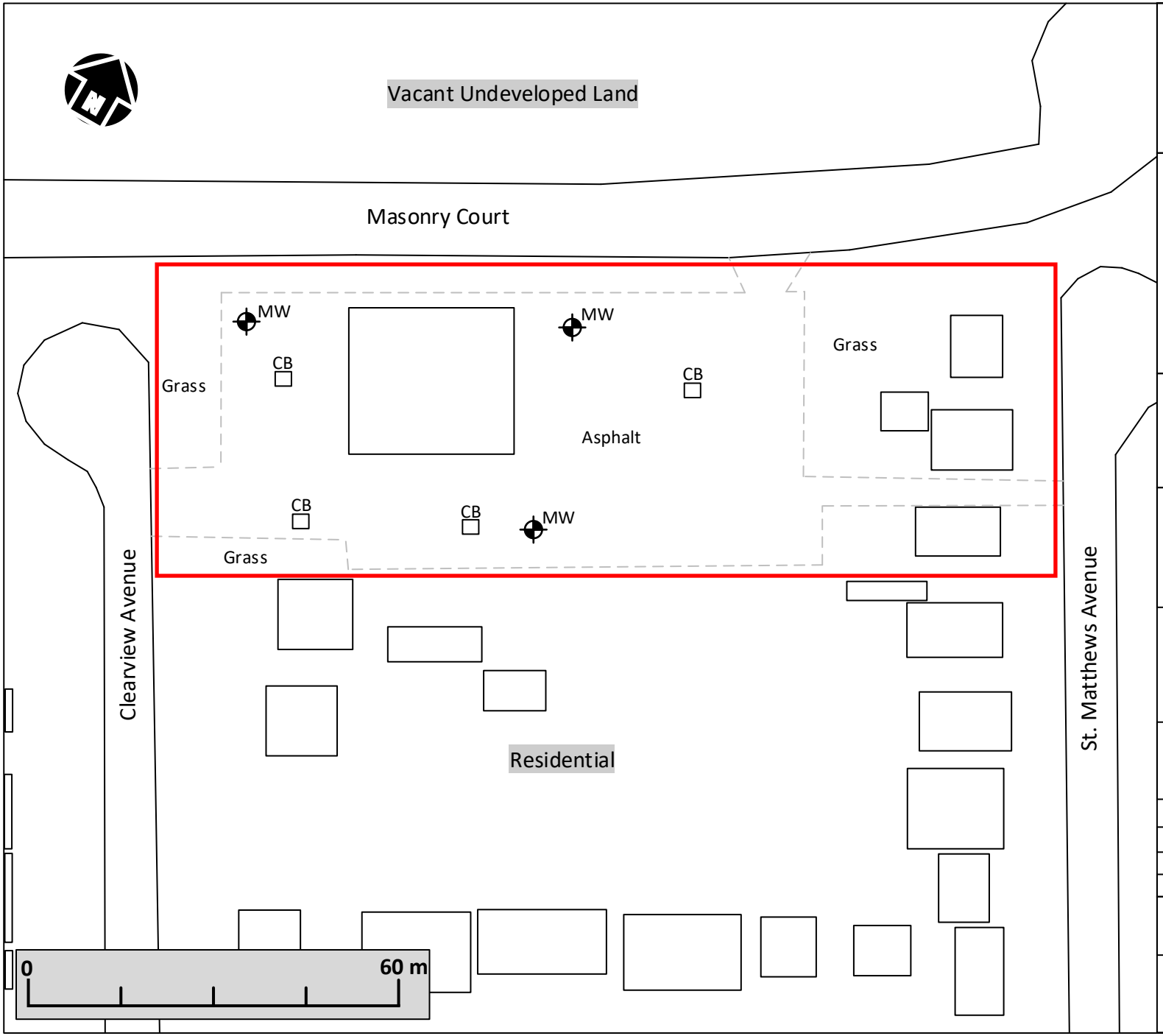
Distribution: LIV COMMUNITIES [1 pdf by email, 2]

Enclosures:

Appendix 'A'	Conceptual Site Plan and General Site Drawings;
Appendix 'B'	Aerial Photographs
Appendix 'C'	Topographic Maps
Appendix 'D'	Chain of Title
Appendix 'E'	City of Burlington Correspondence
Appendix 'F'	MOECP Database Search Request
Appendix 'G'	Ecolog ERIS Report
Appendix 'H'	T.S.S.A. Correspondence
Appendix 'I'	Qualifications of Assessors

Appendix ‘A’

1. Drawing No.: 1.: Site Plan;
2. Drawing No.: 2: Study Area View, and;
3. Drawing No.: 3: Site Location.



LEGEND

= Site Boundary

NOTES:

1. This map should be read in conjunction with Soil-Mat Engineers and Consultants Ltd. Report No.: SM 188633-E

Soil-Mat
Engineers & Consultants Ltd.

CLIENT

LIV COMMUNITIES

PROJECT TITLE
Phase One Environmental Site Assessment
1085 Clearview Avenue And
1082, 1086 and 1090 St. Matthews Avenue
Burlington, Ontario

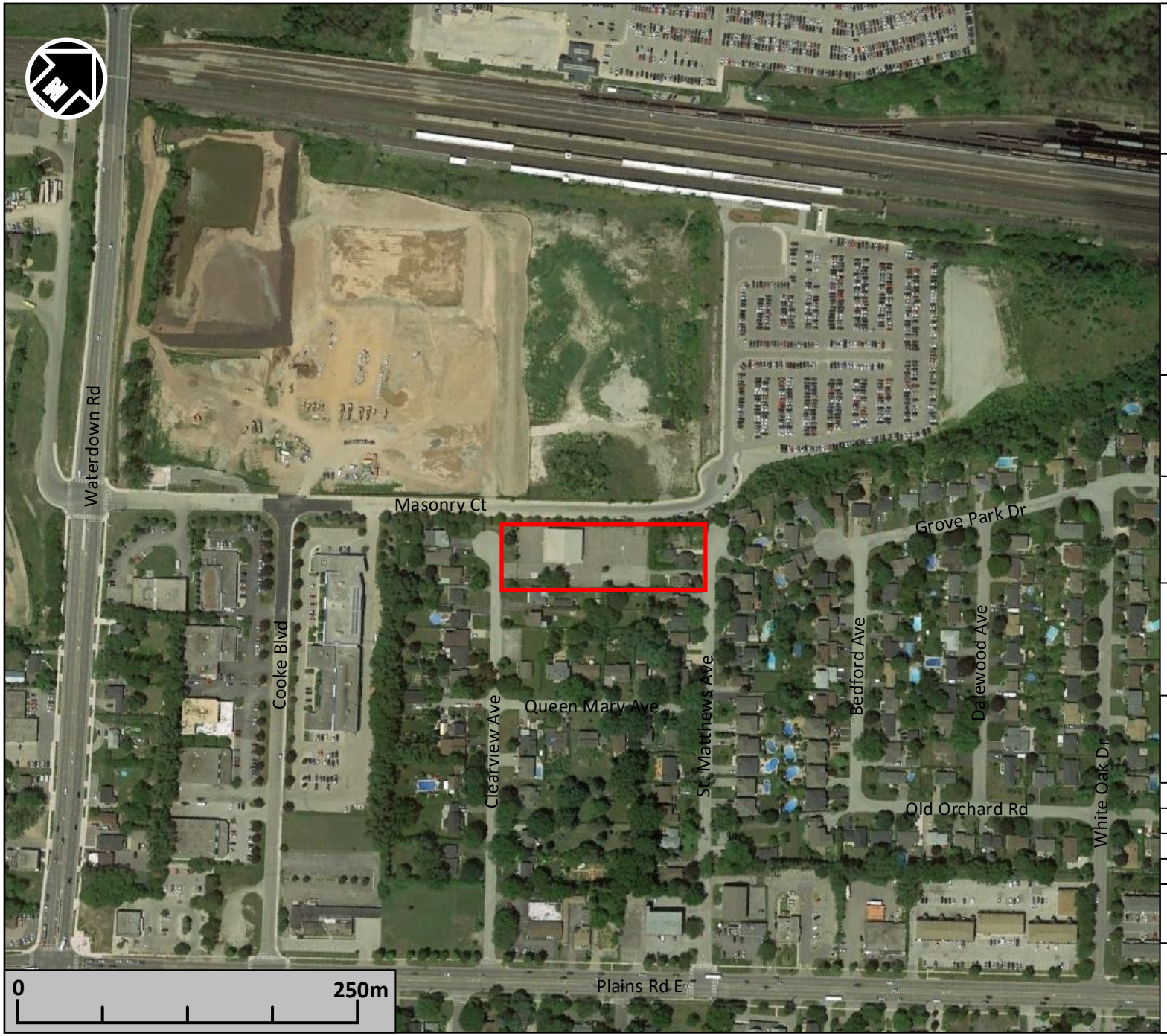
DRAWING TITLE

Site Plan Drawing

PROJECT No.	SM 188633-E
DATE	October 2018
CHECKED	KG
DRAWN	RK

FILE NAME
188633 Site Plan.vsd

DRAWING No. 1



LEGEND

= Site Boundary

NOTES:

1. This map should be read in conjunction with Soil-Mat Engineers and Consultants Ltd. Report No.: SM 188633-E

2. Base map provided by: © 2018 Google

Soil-Mat
Engineers & Consultants Ltd.

CLIENT

LIV COMMUNITIES

PROJECT TITLE

Phase One Environmental Site Assessment
1085 Clearview Avenue and
1082, 1086 and 1090 St. Matthews Avenue
Burlington, Ontario

DRAWING TITLE

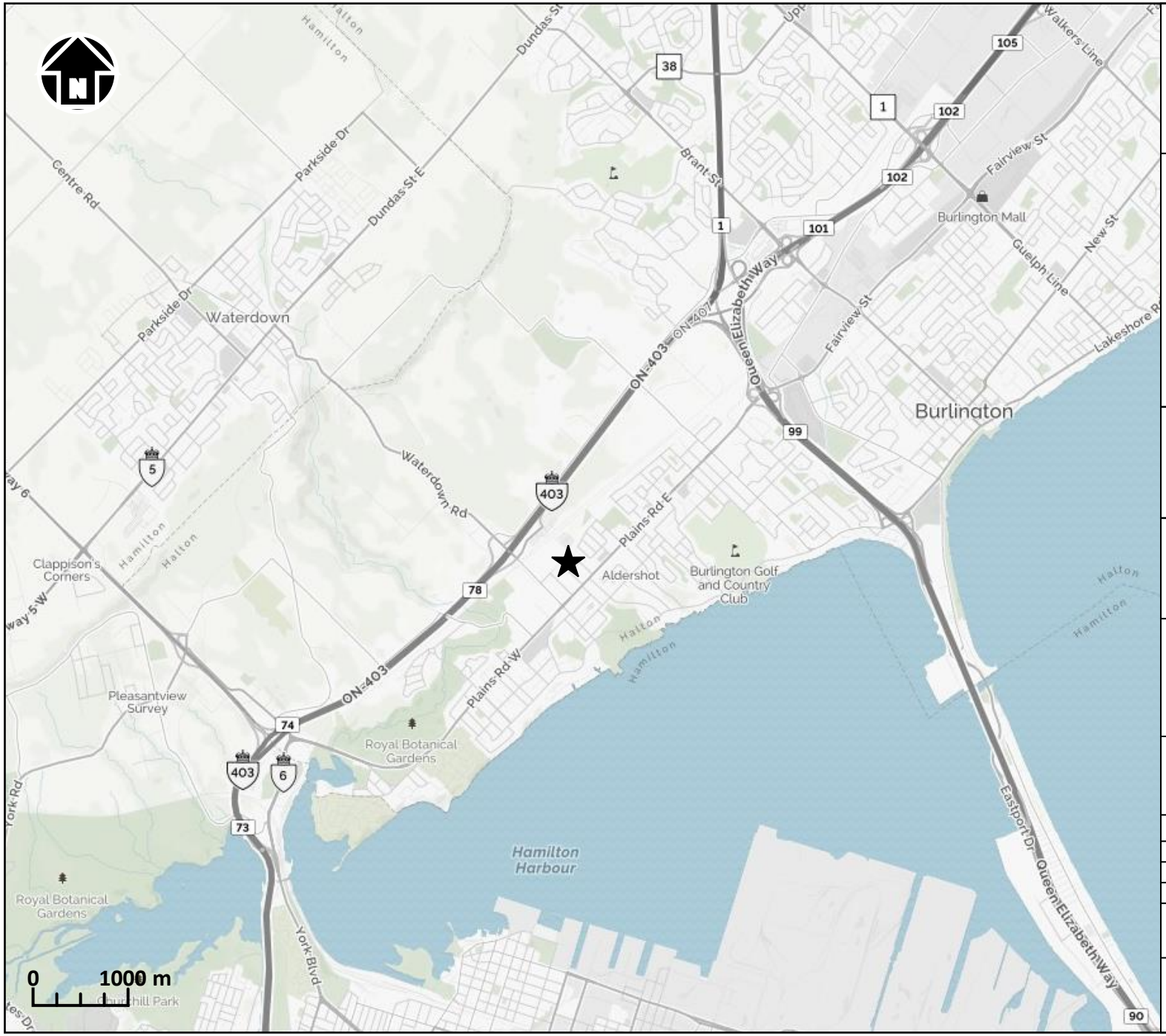
Study Area View

PROJECT No.	SM 188633-E
DATE	October 2018
CHECKED	KG
DRAWN	RK

FILE NAME

188633 Site Plan 2.vsd

DRAWING No. 2



LEGEND

★ = Site Location

NOTES:

1. This map should be read in conjunction with Soil-Mat Engineers and Consultants Ltd. Report No.: SM 188633-E

2. Base map provided by:
© 2017 Mapquest

Soil-Mat
Engineers & Consultants Ltd.

CLIENT
LIV COMMUNITIES

PROJECT TITLE
Phase One Environmental Site Assessment
1085 Clearview Avenue and
1082, 1086 and 1090 St. Matthews Avenue
Burlington, Ontario

DRAWING TITLE
Site Location Plan

PROJECT No.	SM 188633-E
DATE	October 2018
CHECKED	KG
DRAWN	RK

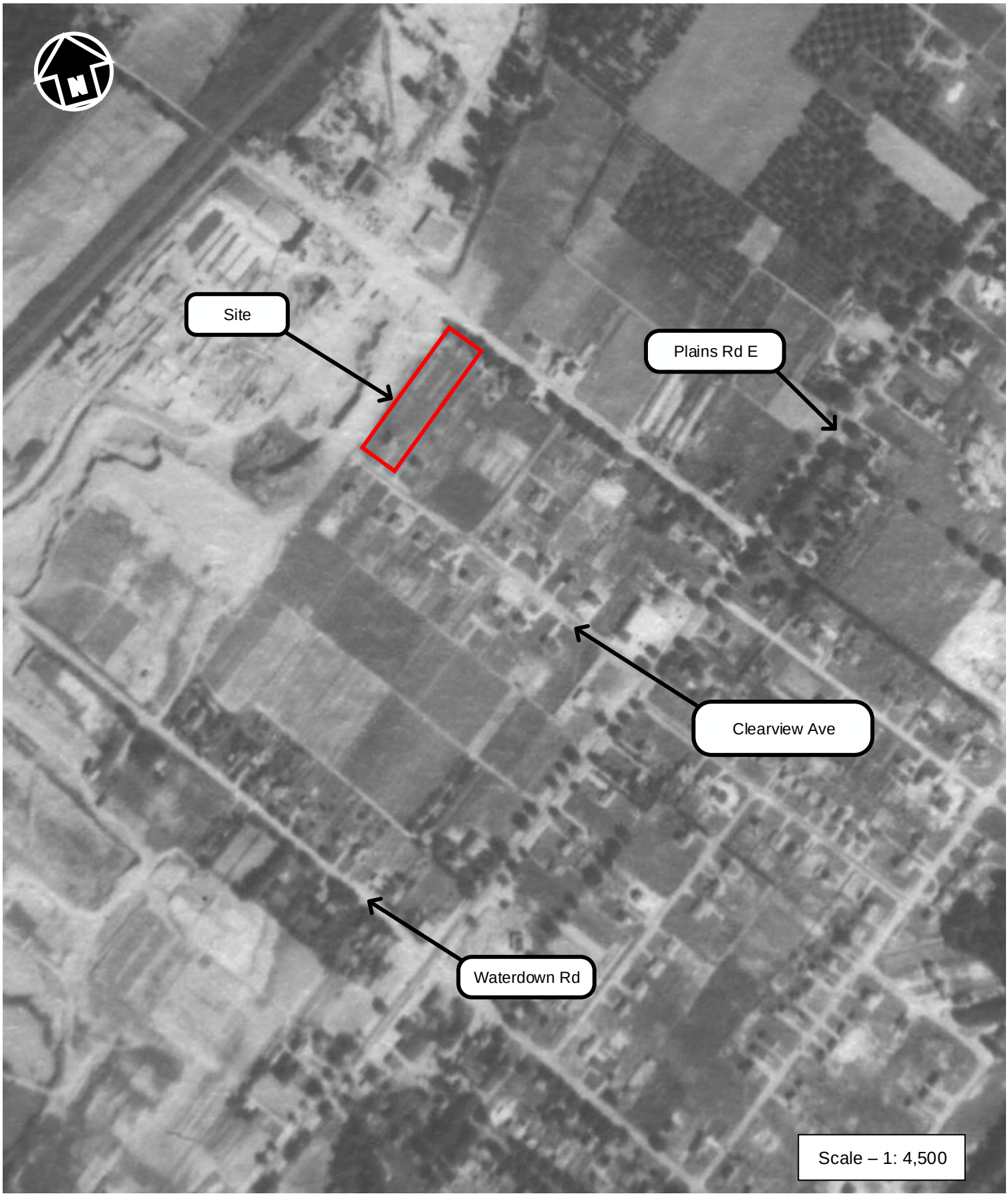
FILE NAME
188633 Site Location.vsdx

DRAWING No. 3

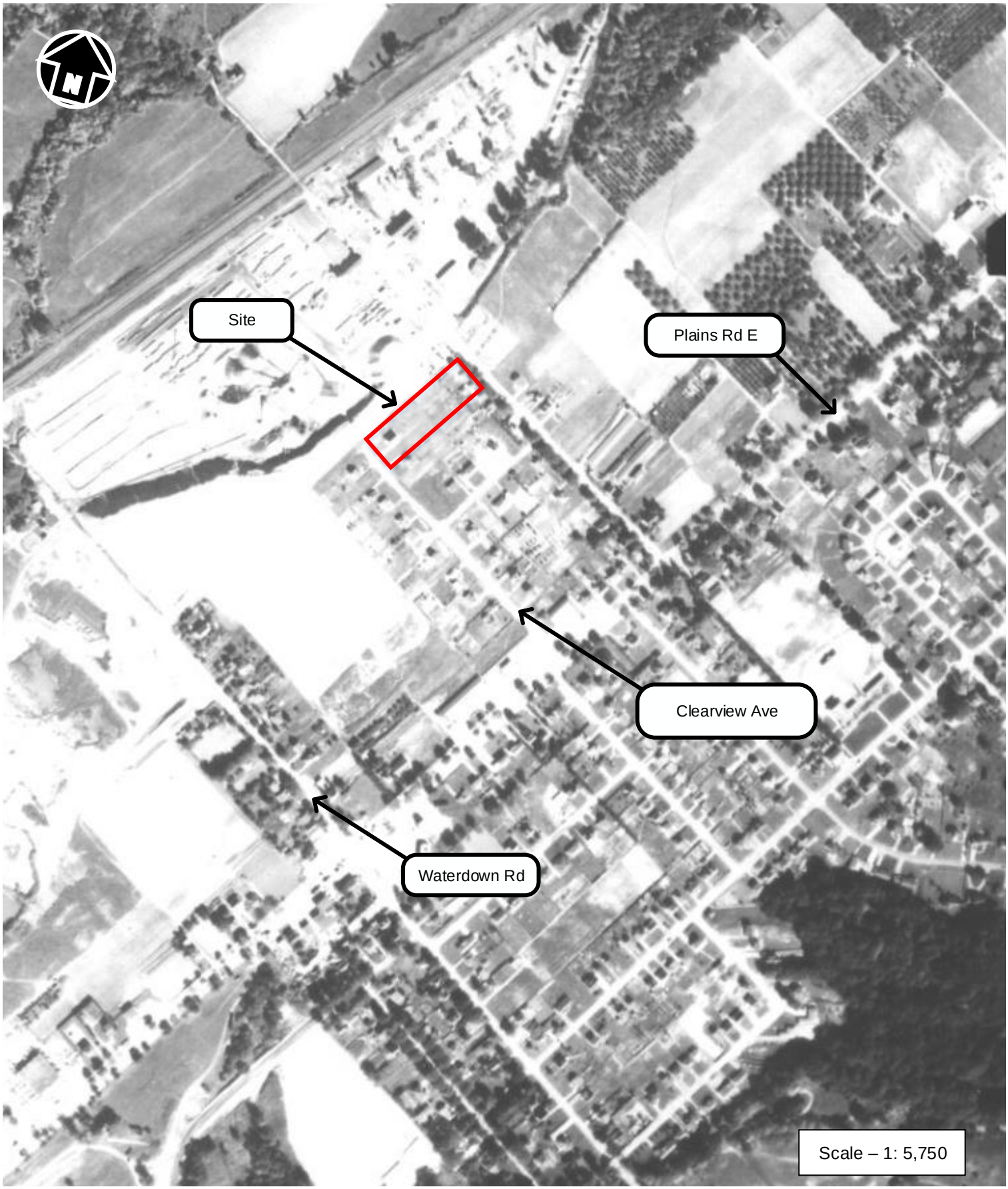
Appendix ‘B’

1. 1951 Aerial Photograph;
2. 1954 Aerial Photograph;
3. 1959 Aerial Photograph;
4. 1978 Aerial Photograph;
5. 1988 Aerial Photograph;
6. 2004 Aerial Photograph;
7. 2009 Aerial Photograph, and;
8. 2017 Aerial Photograph.

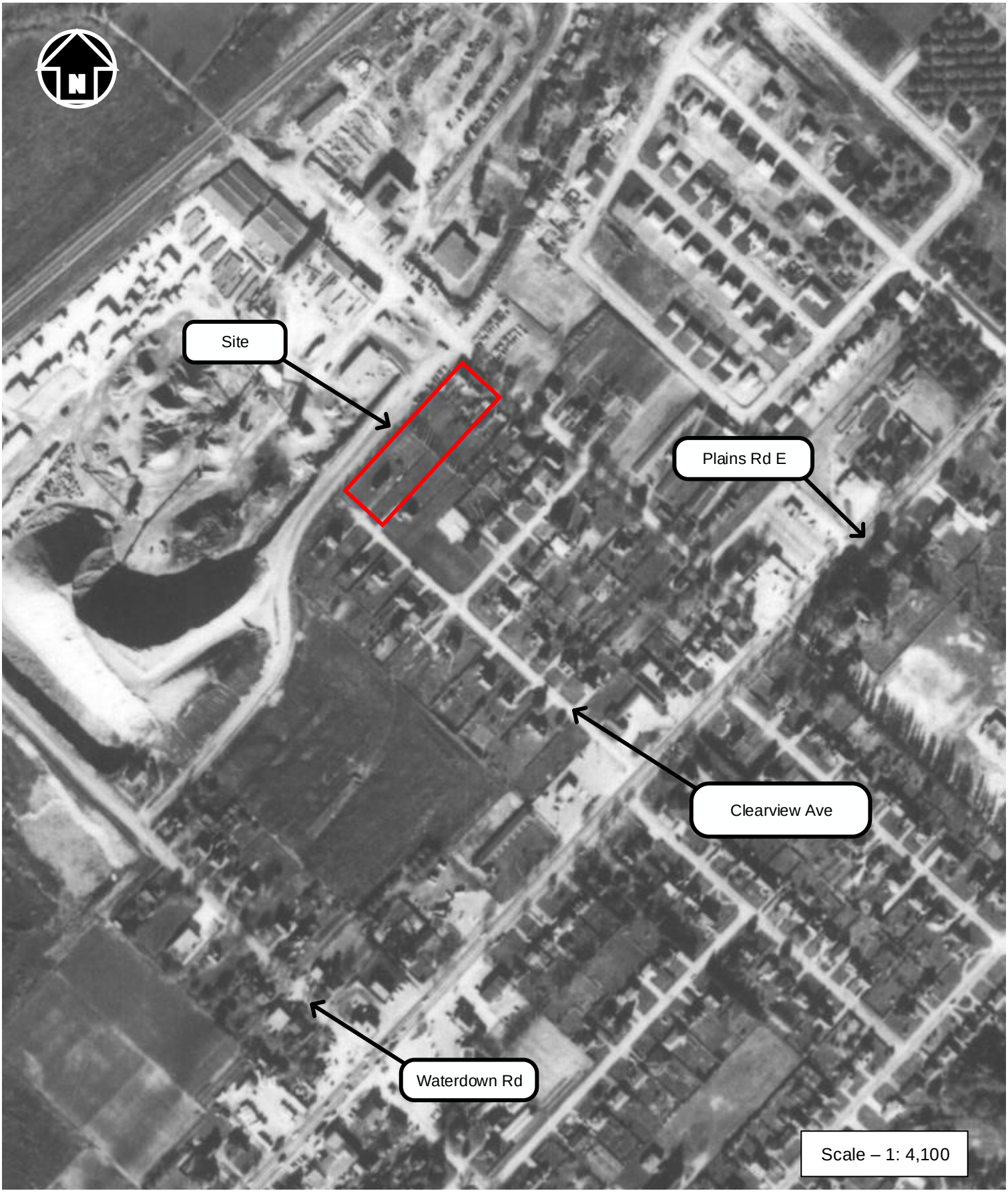
Aerial Photo - 1951



Aerial Photo - 1954



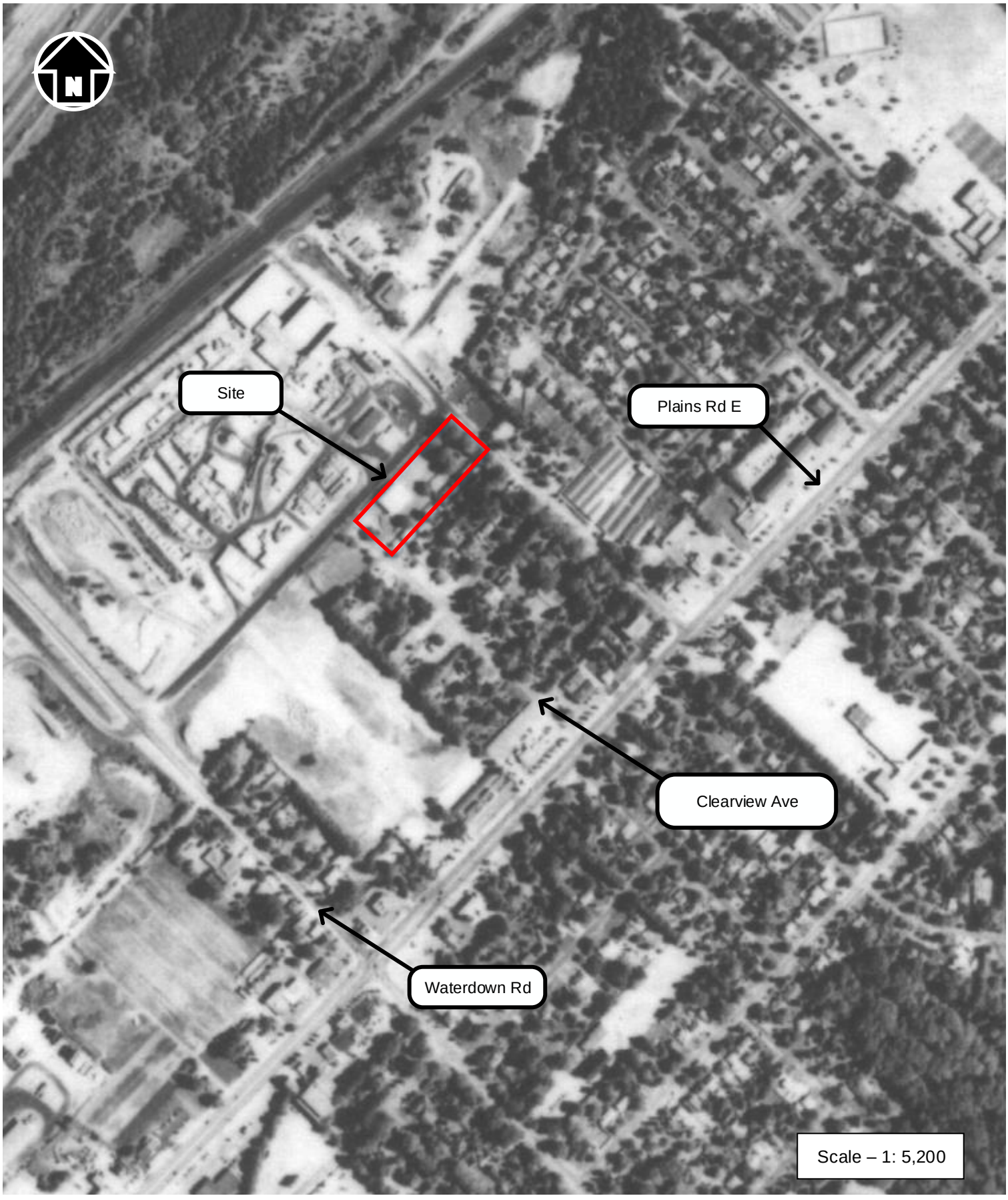
Aerial Photo - 1959



Aerial Photo - 1978



Aerial Photo - 1988



Aerial Photo - 2004



Aerial Photo - 2009



Soil-Mat

Aerial Photo - 2017



Appendix ‘C’

1. 1909 Topographic Map;
2. 1938 Topographic Map;
3. 1968 Topographic Map, and;
4. 1999 Topographic Map.



LEGEND

★ = Site Location

NOTES:

1. This drawing should be read in conjunction with Soil-Mat Engineers and Consultants Ltd. Report No.: SM 188633-E

2. Topographic Map of Ontario, Hamilton Sheet 33.

3. Base map provided by "Department of Militia and Defense, 1909".

Soil-Mat
Engineers & Consultants Ltd.

CLIENT

LIV COMMUNITIES

PROJECT TITLE

Phase One Environmental Site Assessment
1085 Clearview Avenue And
1082, 1086 and 1090 St. Matthews Avenue
Burlington, Ontario

DRAWING TITLE

Topographic Map 1909

PROJECT No.	SM 188633-E
SCALE	1: 63,360
DATE	October 2018
CHECKED	KG
DRAWN	RK
FILE NAME	188633 Topo 1909.vsdx

DRAWING No. 4a



LEGEND

★ = Site Location

NOTES:

1. This drawing should be read in conjunction with Soil-Mat Engineers and Consultants Ltd. Report No.: SM 188633-E

2. Topographic Map of Ontario, Hamilton Sheet 30 M/5.

3. Base map provided by the "Geographical Section, General Staff; Department of National Defence, 1938".

Soil-Mat
Engineers & Consultants Ltd.

CLIENT

LIV COMMUNITIES

PROJECT TITLE

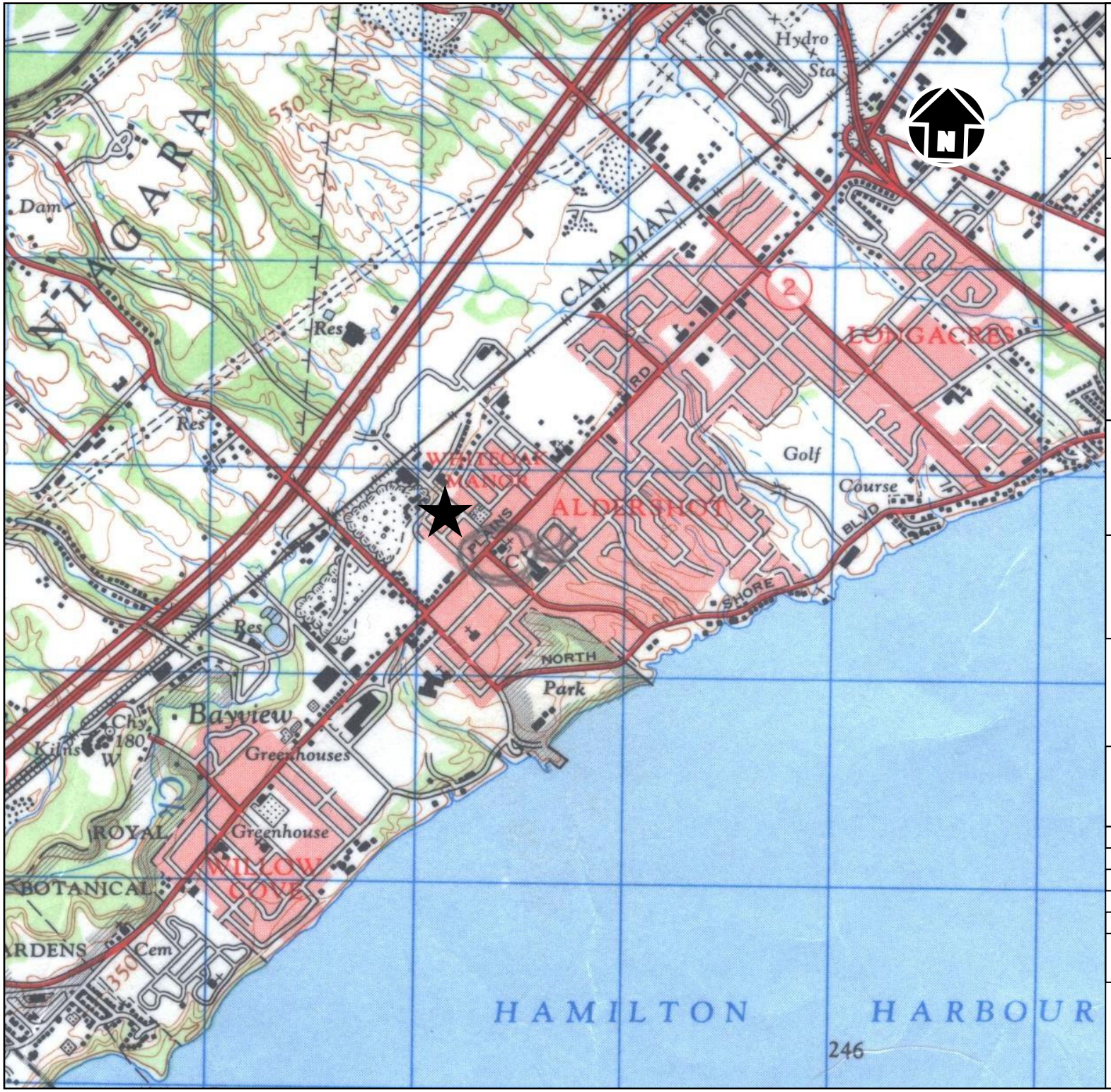
Phase One Environmental Site Assessment
1085 Clearview Avenue And
1082, 1086 and 1090 St. Matthews Avenue
Burlington, Ontario

DRAWING TITLE

Topographic Map 1938

PROJECT No.	SM 188633-E
SCALE	1: 63,360
DATE	October 2018
CHECKED	KG
DRAWN	RK
FILE NAME	188633 Topo 1938.vsdx

DRAWING No. 4b



LEGEND

★ = Site Location

NOTES:

1. This drawing should be read in conjunction with Soil-Mat Engineers and Consultants Ltd. Report No.: SM 188633-E

2. Topographic Map of Ontario, Hamilton Sheet 30 M/5 W, Edition 5.

3. Base map provided by the "Mapping and Charting Establishment, Department of National Defence, 1968".

Soil-Mat
Engineers & Consultants Ltd.

CLIENT

LIV COMMUNITIES

PROJECT TITLE

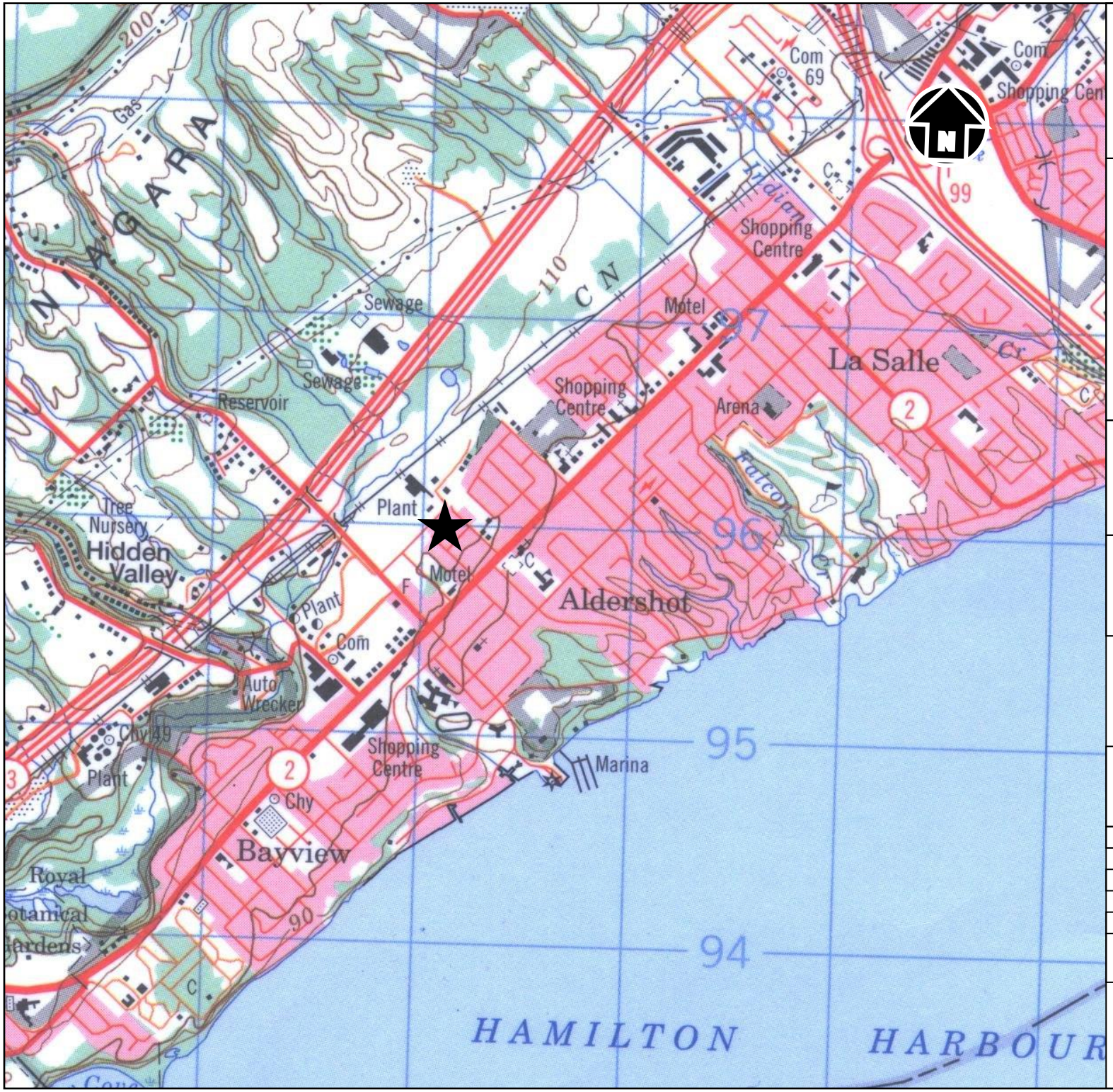
Phase One Environmental Site Assessment
1085 Clearview Avenue And
1082, 1086 and 1090 St. Matthews Avenue
Burlington, Ontario

DRAWING TITLE

Topographic Map 1968

PROJECT No.	SM 188633-E
SCALE	1: 50,000
DATE	October 2018
CHECKED	KG
DRAWN	RK
FILE NAME	188633 Topo 1968.vsdx

DRAWING No. 4c



LEGEND

★ = Site Location

NOTES:

1. This drawing should be read in conjunction with Soil-Mat Engineers and Consultants Ltd. Report No.: SM 188633-E

2. Topographic Map of Ontario, Hamilton - Burlington Sheet 30 M/5, Edition 10.

3. Base map provided by "©1999, Her Majesty The Queen in Right of Canada".

Soil-Mat
Engineers & Consultants Ltd.

CLIENT

LIV COMMUNITIES

PROJECT TITLE

Phase One Environmental Site Assessment
1085 Clearview Avenue And
1082, 1086 and 1090 St. Matthews Avenue
Burlington, Ontario

DRAWING TITLE

Topographic Map 1999

PROJECT No.	SM 188633-E
SCALE	1: 50,000
DATE	October 2018
CHECKED	KG
DRAWN	RK
FILE NAME	188633 Topo 1999.vsdx

DRAWING No. 4d

Appendix ‘D’

1. Title Search Documents

Ontario ServiceOntario

PARCEL REGISTER (ABBREVIATED) FOR PROPERTY IDENTIFIER

LAND REGISTRY OFFICE #20

07122-0021 (LT)

PREPARED FOR PETER
ON 2018/09/26 AT 10:12:35

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

PROPERTY DESCRIPTION: LTS 26, 27 & 28 , PL PF753 ; LT 64 , PL PF665 ; BURLINGTON

PROPERTY REMARKS:

ESTATE/QUALIFIER:
FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY:
FIRST CONVERSION FROM BOOK

PIN CREATION DATE:
1997/02/24

OWNERS' NAMES
HAMILTON AREA MEETING ROOMS ASSOCIATION

CAPACITY SHARE
BENO

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
EFFECTIVE 2000/07/29 THE NOTATION OF THE "BLOCK IMPLEMENTATION DATE" OF 1997/02/24 ON THIS PIN						
WAS REPLACED WITH THE "PIN CREATION DATE" OF 1997/02/24						
*** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 1997/02/21 ***						
***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: 1997/02/24 ***						
FH135249Z	1960/07/29	REST COV APL ANNEX		*** COMPLETELY DELETED ***		
REMARKS: EXPIRED 2000/07/29. DELETED 2016/09/16.						
FH152153	1961/01/25	BYLAW				C
548453	1981/10/19	TRANSFER	$1		HAMILTON AREA MEETING ROOMS ASSOCIATION	C
598232	1984/04/25	AGREEMENT			THE CORPORATION OF THE CITY OF BURLINGTON	C
706104	1988/11/10	TRANSFER	$160,000		HAMILTON AREA MEETING ROOMS ASSOCIATION	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.

PROPERTY DESCRIPTION: LT 65 , PL PF665 ; BURLINGTON

PROPERTY REMARKS:

ESTATE/QUALIFIER:
FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY:
FIRST CONVERSION FROM BOOK

PIN CREATION DATE:
1997/02/24

OWNERS' NAMES
LIV DEVELOPMENTS LTD.

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 1997/02/24 ON THIS PIN						
WAS REPLACED WITH THE "PIN CREATION DATE" OF 1997/02/24						
*** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 1997/02/21 ***						
***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: 1997/02/24 ***						
FH152153	1961/01/25	BYLAW				C
489023	1978/09/29	TRANSFER		*** COMPLETELY DELETED ***	MARSHALL, JAMES MARSHALL, BOZENNA	
782202	1992/03/31	CHARGE		*** COMPLETELY DELETED ***	CUNA OF ONTARIO CREDIT UNION LIMITED	
H715826	1997/12/18	NOTICE AGREEMENT		*** COMPLETELY DELETED *** MARSHALL, JAMES MARSHALL, BOZENNA	AVESTEL CREDIT UNION LIMITED	
REMARKS: AMENDING 782202						
H834333	2000/02/11	TRANSFER		*** COMPLETELY DELETED *** MARSHALL, JAMES	MARSHALL, BOZENNA	

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
				MARSHALL, BOZENNA		
H838174	2000/03/10	CHARGE	$75,000	MARSHALL, BOZENNA	AVESTEL FAMILY SAVINGS CREDIT UNION LIMITED	C
H841877	2000/04/05	DISCH OF CHARGE		*** COMPLETELY DELETED *** AVESTEL FAMILY SAVINGS CREDIT UNION LIMITED		
	REMARKS: RE: 782202					
HR1560158	2018/07/31	TRANSFER	$900,000	MARSHALL, BOZENNA	LIV DEVELOPMENTS LTD.	C
	REMARKS: PLANNING ACT STATEMENTS.					

Ontario ServiceOntario

PARCEL REGISTER (ABBREVIATED) FOR PROPERTY IDENTIFIER

LAND REGISTRY OFFICE #20

07122-0027 (LT)

PREPARED FOR PETER
ON 2018/09/26 AT 10:13:30

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

PROPERTY DESCRIPTION: LT 66 , PL PF665 ; BURLINGTON

PROPERTY REMARKS:

ESTATE/QUALIFIER:
FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY:
FIRST CONVERSION FROM BOOK

PIN CREATION DATE:
1997/02/24

OWNERS' NAMES
LIV DEVELOPMENTS LTD.

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 1997/02/24 ON THIS PIN						
WAS REPLACED WITH THE "PIN CREATION DATE" OF 1997/02/24						
*** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 1997/02/21 ***						
***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: 1997/02/24 ***						
FH152153	1961/01/25	BYLAW				C
597007	1984/03/30	TRANSFER		*** COMPLETELY DELETED ***	FERNANDEZ, IVAN NORBERT FERNANDEZ, LINDA CHRISTINE	
HR1560172	2018/07/31	TRANSFER	$900,000	FERNANDEZ, IVAN NORBERT FERNANDEZ, LINDA CHRISTINE	LIV DEVELOPMENTS LTD.	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.

Appendix ‘E’

1. City of Burlington Correspondence

Ross Keiller

From: Mailbox, COB <city@burlington.ca>
Sent: Tuesday, October 16, 2018 9:30 AM
To: Ross Keiller
Subject: RE: Information on a property in Burlington

Thank you for your email to the City of Burlington. I have forwarded this information to the Planning Department on your behalf.

Regards,

Elizabeth Pearse on behalf of the City mailbox
Clerks Department | City of Burlington
905-335-7803 | cob@burlington.ca

From: Ross Keiller [mailto:rkeiller@soilmat.ca]
Sent: Monday, October 15, 2018 4:04 PM
To: Mailbox, COB
Subject: Information on a property in Burlington

Hi,

I am looking for some information on a property in Burlington.

The property is identified with the municipal address' 1085 Clearview Avenue and 1082, 1086 and 1090 St. Matthews Avenue and I am looking to see if the Planning Department has any Phase One Environmental Site Assessments on file with the City in regards to this property.

Thanks,

ROSS KEILLER
ENVIRONMENTAL TECHNICIAN
SOIL-MAT ENGINEERS & CONSULTANTS LTD.
M: 905.807.3525 TF: 800.243.1922 www.soil-mat.ca

HAMILTON: 130 Lancing Drive L8W 3A1 T: 905.318.7440 F: 905.318.7455
MILTON: PO Box 40012 Derry Heights PO L9T 7W4 T: 800.243.1922

This e-mail, including any attachments, is privileged, confidential and subject to copyright. Any unauthorized use or disclosure is prohibited. If you are not the intended recipient please notify the sender immediately by return e-mail and delete the message and any attachments from your system.

Please consider the environment before printing this email

This message, including any attachments, is privileged and intended only for the addressee(s) named above. If you are not the intended recipient, you must not read, use or disseminate the information contained in this email/fax. If you have received this email/fax transmission in error, please notify the sender immediately by telephone, fax or email and permanently delete this email from your computer/shred this fax, including any attachments, without making a copy. Access to this email/fax by anyone else is unauthorized. Thank you.

Appendix ‘F’

1. MOECP Database Search Request

Soil-Mat Engineers & Consultants Ltd.

Geotechnical/Construction Testing/Environmental Engineers
130 Lancing Drive, Hamilton, Ontario L8W 3A1
Tel: (905) 318-7440 Inwats: 1-800-243-1922
Fax: (905) 318-7455
e-mail: info@soil-mat.on.ca

Fax Cover Page

To:	Lydia	**From:**	Peter Markesic
Company:	MOECC	**Date:**	October 10, 2018
Phone:	(416)314-4075	**Pages:**	5 (inclusive)
Fax:	(416)314-4285	**Our Ref. #:**	188633-E

Comments:

Please undertake a search as per the attached request form.

Please feel free to contact me in our Office if you have any questions.

Sincerely,

Peter Markesic
Environmental Technician

THE INFORMATION CONTAINED IN THIS TRANSMISSION IS CONFIDENTIAL AND INTENDED ONLY FOR THE USE OF THE PARTY TO WHOM IT IS ADDRESSED. IF YOU HAVE RECEIVED THIS TRANSMISSION IN ERROR, PLEASE NOTIFY US IMMEDIATELY AND RETURN THE ORIGINAL TRANSMISSION TO US.

Ontario

Ministry of the Environment

Freedom of Information Request

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

Requester Data			**For Ministry Use Only**	
Name, Title, Company Name and Mailing Address of Requester Peter Markesic, B.Sc. Environmental Technician **Soil-Mat Engineers & Consultants Ltd.** 130 Lancing Drive Hamilton, Ontario L8W 3A1 Email Address: pmarkesic@soilmat.ca			FOI Request No.	FOI Co-ordinator Review date
			Date Request Received	Fee Paid ACCT-CHQ-VISA-MC-CASH
			Response Due Date	
Telephone/Fax Nos. Tel : (905) 318-7440 Fax :(905) 318-7455	Your Project/Reference No. **SM 188633-E**	Signature of Requester	☐ CNR ☐ ER ☐ NOR ☐ SWR ☐ WCR ☐ SAC ☐ IEB ☐ EAA ☐	

Request Parameters

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

1086 & 1090 St. Matthew's Avenue, Burlington, Ontario [These properties are adjacent to one another]

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

Liv Developments Ltd.

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

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

Search Parameters Files older than 2 years may require $60.00 retrieval cost. There is no guarantee that records responsive to your request will be located.	**Specify Year(s) Requested**
Environmental concerns (General correspondence, occurrence reports, abatement)	1990-Present
Orders	1990-Present
Spills	1990-Present
Investigations/prosecutions ▸ Owner/tenant information must be provided	1990-Present
Waste Generator number/classes	1990-Present

Certificates of Approval ▸ Proponent information must be provided

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

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

Ontario Ministry of the Environment

Freedom of Information Request

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

Requester Data			For Ministry Use Only	
Name, Title, Company Name and Mailing Address of Requester Peter Markesic, B.Sc. Environmental Technician **Soil-Mat Engineers & Consultants Ltd.** 130 Lancing Drive Hamilton, Ontario L8W 3A1 Email Address: pmarkesic@soilmat.ca			FOI Request No.	FOI Co-ordinator Review date
			Date Request Received	Fee Paid ACCT-CHQ-VISA-MC-CASH
			Response Due Date	
Telephone/Fax Nos. Tel : (905) 318-7440 Fax :(905) 318-7455	Your Project/Reference No. **SM 188633-E**	Signature of Requester	☐ CNR ☐ ER ☐ NOR ☐ SWR ☐ WCR ☐ SAC ☐ IEB ☐ EAA ☐	

Request Parameters

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

1082 St. Matthew's Avenue, Burlington, Ontario

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

Hamilton Area Meeting Rooms Association

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

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

Search Parameters Files older than 2 years may require $60.00 retrieval cost. There is no guarantee that records responsive to your request will be located.	**Specify Year(s) Requested**
Environmental concerns (General correspondence, occurrence reports, abatement)	1990-Present
Orders	1990-Present
Spills	1990-Present
Investigations/prosecutions ▸ Owner/tenant information must be provided	1990-Present
Waste Generator number/classes	1990-Present

Certificates of Approval ▸ Proponent information must be provided

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

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

Ontario Ministry of the Environment

Freedom of Information Request

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

Requester Data			For Ministry Use Only	
Name, Title, Company Name and Mailing Address of Requester Peter Markesic, B.Sc. Environmental Technician **Soil-Mat Engineers & Consultants Ltd.** 130 Lancing Drive Hamilton, Ontario L8W 3A1 Email Address: pmarkesic@soilmat.ca			FOI Request No.	FOI Co-ordinator Review date
			Date Request Received	Fee Paid ACCT-CHQ-VISA-MC-CASH
			Response Due Date	
Telephone/Fax Nos. Tel : (905) 318-7440 Fax :(905) 318-7455	Your Project/Reference No. **SM 188633-E**	Signature of Requester	☐ CNR ☐ ER ☐ NOR ☐ SWR ☐ WCR ☐ SAC ☐ IEB ☐ EAA ☐	

Request Parameters

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

1085 Clearview Avenue, Burlington, Ontario

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

Hamilton Area Meeting Rooms Association

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

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

Search Parameters Files older than 2 years may require $60.00 retrieval cost. There is no guarantee that records responsive to your request will be located.	**Specify Year(s) Requested**
Environmental concerns (General correspondence, occurrence reports, abatement)	1990-Present
Orders	1990-Present
Spills	1990-Present
Investigations/prosecutions ▸ Owner/tenant information must be provided	1990-Present
Waste Generator number/classes	1990-Present

Certificates of Approval ▸ Proponent information must be provided

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

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

Ministry of the Environment, Conservation and Parks

Freedom of Information and Protection of Privacy Office

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

Ministère de l'Environnement, de la Protection de la nature et des Parcs

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

Ontario

October 16, 2018

Peter Markesic
Soil-Mat Engineers & Consultants Ltd
130 Lancing Drive
Hamilton, ON L8W 3A1

Dear Peter Markesic:

RE: ***Freedom of Information and Protection of Privacy Act* Request**
Our File # A-2018-06843, Your Reference SM 188633-E

This letter is in response to your request made pursuant to the *Freedom of Information and Protection of Privacy Act* relating to 1086, 1090 St.Matthew's Avenue, Burlington.

After a thorough search through the files of the Ministry's Halton-Peel District Office, Investigations and Enforcement 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 Erin Hunte at 416-314-4075.

Yours truly,

Janet Dadufalza
FOI Manager

Ministry of the Environment, Conservation and Parks

Freedom of Information and Protection of Privacy Office

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

Ministère de l'Environnement, de la Protection de la nature et des Parcs

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

Ontario

October 23, 2018

Peter Markesic
Soil-Mat Engineers & Consultants Ltd
130 Lancing Drive
Hamilton, ON L8W 3A1

Dear Peter Markesic:

RE: ***Freedom of Information and Protection of Privacy Act*** **Request**
Our File # A-2018-06844, Your Reference SM 188633-E

This letter is in response to your request made pursuant to the *Freedom of Information and Protection of Privacy Act* relating to 1082 St.Matthew's Avenue, Burlington.

After a thorough search through the files of the Ministry's Halton-Peel District Office, Investigations and Enforcement 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 Rebeka Bogdan at the **Freedom of Information Office at 416-314-4075**.

Yours truly,

FOR RB

Janet Dadufalza
FOI Manager

Ministry of the Environment, Conservation and Parks

Freedom of Information and Protection of Privacy Office

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

Ministère de l'Environnement, de la Protection de la nature et des Parcs

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

Ontario

October 23, 2018

Peter Markesic
Soil-Mat Engineers & Consultants Ltd
130 Lancing Drive
Hamilton, ON L8W 3A1

Dear Peter Markesic:

RE: ***Freedom of Information and Protection of Privacy Act*** **Request**
Our File # A-2018-06845, Your Reference SM 188633-E

This letter is in response to your request made pursuant to the *Freedom of Information and Protection of Privacy Act* relating to 1085 Clearview Avenue, Burlington.

After a thorough search through the files of the Ministry's Halton-Peel District Office, Investigations and Enforcement 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 Rebeka Bogdan at the **Freedom of Information Office at 416-314-4075**.

Yours truly,

FOR RB

Janet Dadufalza
FOI Manager

Appendix ‘G’

1. EcoLog ERIS Report

ENVIRONMENTAL RISK INFORMATION SERVICES

DATABASE REPORT

Project Property:	*1085 Clearview Avenue* *1085 Clearview Ave.* *Burlington ON*
Project No:	*166997-E*
Report Type:	*RSC Report (Urban)*
Order No:	*20161110141*
Requested by:	*Soil-Mat Engineers & Consultants*
Date Completed:	*November 17, 2016*

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

www.erisinfo.com

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

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Executive Summary

Property Information:

Project Property:	*1085 Clearview Avenue* *1085 Clearview Ave. Burlington ON*
Project No:	*166997-E*

Order Information:

Order No:	*20161110141*
Date Requested:	*November 10, 2016*
Requested by:	*Soil-Mat Engineers & Consultants*
Report Type:	*RSC Report (Urban)*

Additional Products:

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	0	0
CA	Certificates of Approval	Y	0	11	11
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	1	1
EBR	Environmental Registry	Y	0	9	9
ECA	Environmental Compliance Approval	Y	0	1	1
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	0	7	7
EIIS	Environmental Issues Inventory System	Y	0	0	0
EMHE	Emergency Management Historical Event	Y	0	0	0
EXP	List of TSSA Expired Facilities	Y	0	7	7
FCON	Federal Convictions	Y	0	0	0
FCS	Contaminated Sites on Federal Land	Y	0	0	0
FOFT	Fisheries & Oceans Fuel Tanks	Y	0	0	0
FST	Fuel Storage Tank	Y	0	0	0
FSTH	Fuel Storage Tank - Historic	Y	0	0	0
GEN	Ontario Regulation 347 Waste Generators Summary	Y	0	36	36
GHG	Greenhouse Gas Emissions from Large Facilities	Y	0	0	0
HINC	TSSA Historic Incidents	Y	0	1	1
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0
INC	TSSA Incidents	Y	0	0	0
LIMO	Landfill Inventory Management Ontario	Y	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0
NCPL	Non-Compliance Reports	Y	0	0	0

Database	Name	Searched	Project Property	Boundary to 0.30km	Total
NDFT	National Defense & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defense & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
NEBW	National Energy Board Wells	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	0	0
NPRI	National Pollutant Release Inventory	Y	0	14	14
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	2	2
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	1	1
RST	Retail Fuel Storage Tanks	Y	0	1	1
SCT	Scott's Manufacturing Directory	Y	0	15	15
SPL	Ontario Spills	Y	0	5	5
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	TSSA Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	0	6	6
	Total:		0	118	118

Executive Summary: Site Report Summary - Project Property

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

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

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
1	WWIS		Burlington ON	N/42.2	0.00	22
2	WWIS		Burlington ON	NNE/61.8	0.00	23
3	SCT	Municipal Automation Services	1073 St. Matthew's Ave Burlington ON L7T 2J3	ENE/78.1	-0.22	26
4	CA	Etratech Printed Circuit Boards Inc.	1047 Cooke Boulevard Burlington ON	SSW/127.3	-0.46	26
4	CA	Etratech Inc.	1047 Cooke Blvd Burlington ON	SSW/127.3	-0.46	26
4	CA	Etratech Printed Circuit Boards Inc.	1047 Cooke Boulevard Burlington ON	SSW/127.3	-0.46	27
4	CA	Etratech Printed Circuit Boards Inc.	1047 Cooke Boulevard Burlington ON	SSW/127.3	-0.46	27
4	EASR	ETRATECH INC	1047 COOKE BLVD. BURLINGTON ON L7T 4A8	SSW/127.3	-0.46	27
4	EBR	Ethratech Printed Circuit Boards Inc.	1047 Cooke Boulevard Burlington ON	SSW/127.3	-0.46	28
4	EBR	Etratech Printed Circuit Boards Inc.	1047 Cooke Boulevard Burlington ON L7T 4A8	SSW/127.3	-0.46	28
4	EBR	Etratech Inc.	1047 Cooke Boulevard BURLINGTON ON L7T 4A8	SSW/127.3	-0.46	28
4	EBR	Etratech Printed Circuit Boards Inc.	1047 Cooke Boulevard Burlington ON	SSW/127.3	-0.46	28
4	EBR	ETRATECH DESIGNS INC.	1047 COOKE BOULEVARD City of Burlington ON L7T 4A8	SSW/127.3	-0.46	29
4	EBR	Etratech Printed Circuit Boards Inc.	1047 Cooke Boulevard Burlington ON	SSW/127.3	-0.46	29
4	EHS		1047 Cooke Blvd Burlington ON L7T 4A8	SSW/127.3	-0.46	29
4	GEN	ETRATECH MANUFACTURING INC.	1047 Cooke Boulevard Burlington ON L7T 4A8	SSW/127.3	-0.46	29
4	GEN	ETRATECH MANUFACTURING INC.	1047 Cooke Boulevard Burlington ON L7T 4A8	SSW/127.3	-0.46	30
4	GEN	ETRATECH MANUFACTURING INC.	1047 Cooke Boulevard Burlington ON L7T 4A8	SSW/127.3	-0.46	30
4	GEN	ETRATECH MANUFACTURING INC.	1047 Cooke Boulevard Burlington ON L7T 4A8	SSW/127.3	-0.46	30
4	GEN	ETRATECH MANUFACTURING INC.	1047 Cooke Boulevard Burlington ON L7T 4A8	SSW/127.3	-0.46	31
4	GEN	ETRATECH MANUFACTURING INC.	1047 COOKE BOULEVARD BURLINGTON ON L7T 4A8	SSW/127.3	-0.46	31
4	GEN	ETRATECH MANUFACTURING INC.	1047 Cooke Boulevard Burlington ON L7T 4A8	SSW/127.3	-0.46	32
4	SCT	Etratech Inc.	1047 Cooke Blvd Burlington ON L7T 4A8	SSW/127.3	-0.46	32

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
5	GEN	ETRATECH MANUFACTURING INC.	1047 Cooke Boulevard Burlington ON L7T 4A8	SSW/132.6	-2.92	32
5	GEN	ETRATECH MANUFACTURING INC.	1047 Cooke Boulevard Burlington ON	SSW/132.6	-2.92	33
6	EHS		101 Masonry Crt Burlington ON L7T4A8	WNW/134.5	-1.12	33
7	EHS		1047 Cooke Blvd Burlington ON L7T4A8	SSW/149.0	-4.86	33
8	NPRI	ETRATECH INC.	1047 Cooke Boulevard Burlington ON L7T 4A8	S/149.0	-4.88	34
8	NPRI	Etratech Inc.	1047 Cooke Boulevard Burlington ON L7T4A8	S/149.0	-4.88	34
8	NPRI	ETRATECH	1047 Cooke Boulevard Burlington ON L7T4A8	S/149.0	-4.88	34
8	NPRI	ETRATECH	1047 Cooke Boulevard Burlington ON L7T4A8	S/149.0	-4.88	34
8	NPRI	Etratech Inc.	1047 Cooke Boulevard Burlington ON L7T4A8	S/149.0	-4.88	35
8	NPRI	ETRATECH	1047 Cooke Boulevard Burlington ON L7T4A8	S/149.0	-4.88	35
8	NPRI	ETRATECH	1047 Cooke Boulevard Burlington ON L7T4A8	S/149.0	-4.88	35
8	NPRI	ETRATECH INC.	1047 Cooke Boulevard Burlington ON L7T4A8	S/149.0	-4.88	35
8	NPRI	Etratech Inc	1047 Cooke Boulevard Burlington ON L7T 4A8	S/149.0	-4.88	36
8	NPRI	ETRATECH INC.	1047 Cooke Boulevard Burlington ON L7T4A8	S/149.0	-4.88	36
8	NPRI	ETRATECH INC.	1047 Cooke Boulevard Burlington ON L7T4A8	S/149.0	-4.88	36
8	NPRI	ETRATECH	1047 Cooke Boulevard Burlington ON L7T4A8	S/149.0	-4.88	36
8	NPRI	ETRATECH	1047 Cooke Boulevard Burlington ON L7T4A8	S/149.0	-4.88	37
8	NPRI	Etratech Inc.	1047 Cooke Boulevard Burlington ON L7T4A8	S/149.0	-4.88	37
9	EXP	TCG MATERIALS LTD	101 MASONRY CRT BURLINGTON ON L7T 4A8	WNW/153.9	0.18	37
9	EXP	TCG MATERIALS LTD	101 MASONRY CRT BURLINGTON ON L7T 4A8	WNW/153.9	0.18	37
10	CA	Greater Toronto Transit Authority	121 Masonry Crt Burlington ON	N/159.8	0.00	38
10	ECA	METROLINX	121 Masonry Crt Lot 5, 6, Concession 1EP PT Burlington ON	N/159.8	0.00	38
10	SPL	Canadian National Railway Company	121 Masonry Crt Burlington ON	N/159.8	0.00	38
11	GEN	BURLINGTON HYDRO ELECTRIC COMMISSION	1063 BEDFORD AVENUE C/O 1340 BRANT STREET BURLINGTON ON L7T 2K4	ENE/188.5	-2.00	38
11	SPL	BURLINGTON HYDRO-ELECTRIC COMM	1063 BEDFORD AVE TRANSFORMER BURLINGTON CITY ON L7T 2K4	ENE/188.5	-2.00	39

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
12	EXP	TCG MATERIALS LTD	101 MASONRY CRT BURLINGTON ON	W/191.3	-0.55	39
12	EXP	TCG MATERIALS LTD	101 MASONRY CRT BURLINGTON ON	W/191.3	-0.55	39
12	EXP	TCG MATERIALS LTD	101 MASONRY CRT BURLINGTON ON L7T 4A8	W/191.3	-0.55	39
12	EXP	TCG MATERIALS LTD	101 MASONRY CRT BURLINGTON ON	W/191.3	-0.55	40
12	EXP	TCG MATERIALS LTD	101 MASONRY CRT BURLINGTON ON	W/191.3	-0.55	40
12	GEN	TCG MATERIALS LIMITED 37-466	101 MASONRY COURT BURLINGTON ON L7T 4A8	W/191.3	-0.55	40
12	GEN	TCG MATERIALS LIMITED	101 MASONRY COURT BURLINGTON ON L7T 4A8	W/191.3	-0.55	40
12	PRT	TCG MATERIALS LTD	101 MASONRY CT BURLINGTON ON	W/191.3	-0.55	41
12	SCT	T C G MATERIALS LIMITED	101 MASONRY CRT BURLINGTON ON L7T 4A8	W/191.3	-0.55	41
13	GEN	Coral Gable Homes Ltd.	1040 Bedford Avenue Burlington ON L7T 2K3	E/197.2	-3.00	41
14	CA	Coral Gable Homes Ltd.	1040 Bedford Ave Burlington ON	E/198.9	-3.00	41
14	RSC	1478510 Ontario Inc.	1040 Bedford Avenue, Burlington, Ontario , L7T 2K3, ON	E/198.9	-3.00	42
15	WWIS		lot 6 con 1 ON	NW/199.1	0.00	42
16	EHS		PARTS 2,5,7,8,9 & 10 OF LOT 6, CONCESSION 1 BURLINGTON ON	W/200.8	-0.91	44
17	WWIS		Burlington ON	NNW/215.8	0.44	44
18	CA	ETRATECH DESIGNS INC.	1074 COOKE BOULEVARD BURLINGTON CITY ON L7T 4A8	SW/216.8	-1.98	46
18	CA	ETRATECH DESIGNS INC.	1074 COOKE BOULEVARD BURLINGTON CITY ON L7T 4A8	SW/216.8	-1.98	46
18	EBR	Etratech Designs Inc	1074 Cooke Boulevard City of Burlington ON L7T 4A8	SW/216.8	-1.98	47
18	GEN	ETRATECH MANUFACTURING INC.	1074 COOKE BOULEVARD BURLINGTON ON L7T 4A8	SW/216.8	-1.98	47
18	GEN	ECLIPSE COLOUR ONTARIO LTD.	1074 COOKE BLVD BURLINGTON ON L7T 4A8	SW/216.8	-1.98	47
18	SCT	Townmedia, Laurel Oak	1074 Cooke Blvd Burlington ON L7T 4A8	SW/216.8	-1.98	48
18	SCT	Ontario Golf	1074 Cooke Blvd Burlington ON L7T 4A8	SW/216.8	-1.98	48
18	SCT	Eclipse Colour Ltd.	1074 Cooke Blvd Burlington ON L7T 4A8	SW/216.8	-1.98	48
18	SCT	ETRATECH DESIGN INC.	1074 COOKE BLVD BURLINGTON ON L7T 4A8	SW/216.8	-1.98	48
18	SCT	Town Media	1074 Cooke Blvd Burlington ON L7T 4A8	SW/216.8	-1.98	49

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
19	GEN	CATEGORY 5 IMAGING	1062 COOKE BLVD. BURLINGTON ON	SSW/220.2	-3.91	49
19	GEN	CATEGORY 5 IMAGING	1062 COOKE BLVD. BURLINGTON ON L7T 4A8	SSW/220.2	-3.91	49
20	CA	ETRATECH PRINTED CIRCUIT BOARDS INC.	1062 COOKE BOULEVARD BURLINGTON CITY ON L7T 4A8	SSW/220.8	-3.58	49
20	CA	Category 5 Imaging Ltd.	1062 Cooke Blvd Burlington ON L7T 4A8	SSW/220.8	-3.58	50
20	EBR	Etratech Printed Circuit Boards Inc	1062 Cooke Boulevard City of Burlington ON L7T 4A8	SSW/220.8	-3.58	50
20	EBR	Category 5 Imaging Ltd.	1062 Cooke Boulevard Burlington ON L7T 4A8	SSW/220.8	-3.58	50
20	EHS		1062 Cooke Blvd Burlington ON L7T 4A8	SSW/220.8	-3.58	50
20	GEN	CATEGORY 5 IMAGING	1062 COOKE BLVD. BURLINGTON ON L7T 4A8	SSW/220.8	-3.58	51
20	GEN	CATEGORY 5 IMAGING	1062 COOKE BLVD. BURLINGTON ON L7T 4A8	SSW/220.8	-3.58	51
20	GEN	CATEGORY 5 IMAGING	1062 COOKE BLVD. BURLINGTON ON L7T 4A8	SSW/220.8	-3.58	51
20	GEN	CATEGORY 5 IMAGING	1062 COOKE BLVD. BURLINGTON ON L7T 4A8	SSW/220.8	-3.58	51
20	GEN	CATEGORY 5 IMAGING	1062 COOKE BLVD. BURLINGTON ON L7T 4A8	SSW/220.8	-3.58	52
20	GEN	CATEGORY 5 IMAGING	1062 COOKE BLVD. BURLINGTON ON L7T 4A8	SSW/220.8	-3.58	52
20	GEN	ETRATECH PRINTED CIRCUIT BOARDS INC.	1062 COOKE BOULEVARD BURLINGTON ON L7T 4A8	SSW/220.8	-3.58	52
21	GEN	INVESTIGATIVE SCIENCE INC.	1050 COOKE BLVD, UNIT 2 BURLINGTON ON	SSW/225.5	-5.02	53
21	GEN	INVESTIGATIVE SCIENCE INC.	1050 COOKE BLVD, UNIT 2 BURLINGTON ON L7T 4A8	SSW/225.5	-5.02	53
22	CA	BURLINGTON CITY	OLD ORCHARD RD/BEDFORD AVE. BURLINGTON CITY ON	E/226.8	-3.00	53
23	GEN	INVESTIGATIVE SCIENCE INC.	1050 COOKE BLVD, UNIT 2 BURLINGTON ON L7T 4A8	SSW/242.0	-4.39	54
23	GEN	INVESTIGATIVE SCIENCE INC.	1050 COOKE BLVD, UNIT 2 BURLINGTON ON	SSW/242.0	-4.39	54
23	GEN	INVESTIGATIVE SCIENCE INC.	1050 COOKE BLVD, UNIT 2 BURLINGTON ON	SSW/242.0	-4.39	54
23	GEN	INVESTIGATIVE SCIENCE INC.	1050 COOKE BLVD, UNIT 2 BURLINGTON ON L7T 4A8	SSW/242.0	-4.39	54
23	GEN	INVESTIGATIVE SCIENCE INC.	1050 COOKE BOULEVARD, UNIT 2 BURLINGTON ON L7T 4A8	SSW/242.0	-4.39	55
23	GEN	INVESTIGATIVE SCIENCE INC.	1050 COOKE BLVD, UNIT 2 BURLINGTON ON L7T 4A8	SSW/242.0	-4.39	55
23	GEN	INVESTIGATIVE SCIENCE INC.	1050 COOKE BLVD, UNIT 2 BURLINGTON ON	SSW/242.0	-4.39	55
23	SCT	Primary Fluid Systems Inc.	1050 Cooke Blvd Unit 3-4 Burlington ON L7T 4A8	SSW/242.0	-4.39	55
23	SCT	BHC CABLE ASSEMBLIES INC.	1050 Cooke Blvd Unit 3 Burlington ON L7T 4A8	SSW/242.0	-4.39	56

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
24	WWIS		BURLINGTON ON	SSE/242.4	-2.23	56
25	GEN	Eighth Empire Inc.	91 Plains Road East. Unit 2c Burlington ON L7T 2C2	SE/245.7	-2.78	58
26	SCT	ABBEY STAINED GLASS	115 Plains Rd E Burlington ON L7T 2C2	ESE/246.7	-3.36	58
27	EHS		71 Plains Rd E Burlington ON L7T 2B8	SSE/249.9	-1.93	58
27	GEN	Budget Car and Truck Rentals	71 Plains Road East Burlington ON L7T 2B8	SSE/249.9	-1.93	58
27	SPL	BURLINGTON HYDRO	71 PLAINS RD EAST TRANSFORMER BURLINGTON CITY ON L7T 2B8	SSE/249.9	-1.93	59
28	RST	PETRO-PARTNERS	91 PLAINS RD E BURLINGTON ON L7T 2C2	SE/251.8	-2.86	59
28	SCT	Abbey Stained Glass	91 Plains Rd E Burlington ON L7T 2C2	SE/251.8	-2.86	59
29	SCT	BHC Cable Assemblies Inc.	2 Masonry Crt Burlington ON L7T 4A8	SW/253.9	-0.48	59
30	EHS		2 Masonry Crt Burlington ON L7T4A8	SW/257.1	-0.11	60
31	HINC		109 PLAINS ROAD EAST BURLINGTON ON L7T 2C2	SE/257.5	-3.00	60
32	GEN	PLAINS ROAD ANIMAL HOSPITAL	105 PLAINS ROAD EAST BURLINGTON ON L7T 2C2	SE/258.2	-3.00	60
33	SCT	Lextoner.com	1038 Cooke Blvd Unit 2 Burlington ON L7T 4A8	S/261.7	-4.75	61
33	SCT	O'Dell Associates Inc.	1038 Cooke Blvd Unit 3 Burlington ON L7T 4A8	S/261.7	-4.75	61
34	PINC		1063 WATERDOWN RD, BURLINGTON ON	SSW/275.2	0.13	61
34	SPL	Union Gas Limited	1063 Waterdown Rd Burlington ON	SSW/275.2	0.13	62
35	WWIS		Burlington ON	S/299.1	-5.00	62
36	PINC		1045 WATERDOWN RD, BURLINGTON ON	SSW/299.9	-0.99	64
36	SPL	Enbridge Gas Distribution Inc.	1045 Waterdown Rd Burlington ON	SSW/299.9	-0.99	64

Executive Summary: Summary By Data Source

CA - Certificates of Approval

A search of the CA database, dated 1985-Oct 30, 2011* has found that there are 11 CA site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
Etratech Printed Circuit Boards Inc.	1047 Cooke Boulevard Burlington ON	127.3	4
Etratech Inc.	1047 Cooke Blvd Burlington ON	127.3	4
Etratech Printed Circuit Boards Inc.	1047 Cooke Boulevard Burlington ON	127.3	4
Etratech Printed Circuit Boards Inc.	1047 Cooke Boulevard Burlington ON	127.3	4
Greater Toronto Transit Authority	121 Masonry Crt Burlington ON	159.8	10
Coral Gable Homes Ltd.	1040 Bedford Ave Burlington ON	198.9	14
ETRATECH DESIGNS INC.	1074 COOKE BOULEVARD BURLINGTON CITY ON L7T 4A8	216.8	18
ETRATECH DESIGNS INC.	1074 COOKE BOULEVARD BURLINGTON CITY ON L7T 4A8	216.8	18
ETRATECH PRINTED CIRCUIT BOARDS INC.	1062 COOKE BOULEVARD BURLINGTON CITY ON L7T 4A8	220.8	20
Category 5 Imaging Ltd.	1062 Cooke Blvd Burlington ON L7T 4A8	220.8	20
BURLINGTON CITY	OLD ORCHARD RD/BEDFORD AVE. BURLINGTON CITY ON	226.8	22

EASR - Environmental Activity and Sector Registry

A search of the EASR database, dated Jul 31, 2016 has found that there are 1 EASR site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
ETRATECH INC	1047 COOKE BLVD. BURLINGTON ON L7T 4A8	127.3	4

EBR - Environmental Registry

A search of the EBR database, dated 1994-Oct 2016 has found that there are 9 EBR site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
Etratech Printed Circuit Boards Inc.	1047 Cooke Boulevard Burlington ON	127.3	4
Etratech Inc.	1047 Cooke Boulevard BURLINGTON ON L7T 4A8	127.3	4
Etratech Printed Circuit Boards Inc.	1047 Cooke Boulevard Burlington ON L7T 4A8	127.3	4
Ethratech Printed Circuit Boards Inc.	1047 Cooke Boulevard Burlington ON	127.3	4
ETRATECH DESIGNS INC.	1047 COOKE BOULEVARD City of Burlington ON L7T 4A8	127.3	4
Etratech Printed Circuit Boards Inc.	1047 Cooke Boulevard Burlington ON	127.3	4
Etratech Designs Inc	1074 Cooke Boulevard City of Burlington ON L7T 4A8	216.8	18
Category 5 Imaging Ltd.	1062 Cooke Boulevard Burlington ON L7T 4A8	220.8	20
Etratech Printed Circuit Boards Inc	1062 Cooke Boulevard City of Burlington ON L7T 4A8	220.8	20

ECA - Environmental Compliance Approval

A search of the ECA database, dated Jul 31, 2016 has found that there are 1 ECA site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
METROLINX	121 Masonry Crt Lot 5, 6, Concession 1EP PT Burlington ON	159.8	10

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Aug 2016 has found that there are 7 EHS site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	1047 Cooke Blvd Burlington ON L7T 4A8	127.3	4
	101 Masonry Crt Burlington ON L7T4A8	134.5	6
	1047 Cooke Blvd Burlington ON L7T4A8	149.0	7
	PARTS 2,5,7,8,9 & 10 OF LOT 6, CONCESSION 1 BURLINGTON ON	200.8	16
	1062 Cooke Blvd Burlington ON L7T 4A8	220.8	20
	71 Plains Rd E Burlington ON L7T 2B8	249.9	27

Site	Address	Distance (m)	Map Key
	2 Masonry Crt Burlington ON L7T4A8	257.1	30

EXP - List of TSSA Expired Facilities

A search of the EXP database, dated Aug 31, 2016 has found that there are 7 EXP site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
TCG MATERIALS LTD	101 MASONRY CRT BURLINGTON ON L7T 4A8	153.9	9
TCG MATERIALS LTD	101 MASONRY CRT BURLINGTON ON L7T 4A8	153.9	9
TCG MATERIALS LTD	101 MASONRY CRT BURLINGTON ON	191.3	12
TCG MATERIALS LTD	101 MASONRY CRT BURLINGTON ON	191.3	12
TCG MATERIALS LTD	101 MASONRY CRT BURLINGTON ON L7T 4A8	191.3	12
TCG MATERIALS LTD	101 MASONRY CRT BURLINGTON ON	191.3	12
TCG MATERIALS LTD	101 MASONRY CRT BURLINGTON ON	191.3	12

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Sep 2016 has found that there are 36 GEN site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
ETRATECH MANUFACTURING INC.	1047 Cooke Boulevard Burlington ON L7T 4A8	127.3	4
ETRATECH MANUFACTURING INC.	1047 Cooke Boulevard Burlington ON L7T 4A8	127.3	4
ETRATECH MANUFACTURING INC.	1047 Cooke Boulevard Burlington ON L7T 4A8	127.3	4
ETRATECH MANUFACTURING INC.	1047 Cooke Boulevard Burlington ON L7T 4A8	127.3	4
ETRATECH MANUFACTURING INC.	1047 COOKE BOULEVARD BURLINGTON ON L7T 4A8	127.3	4
ETRATECH MANUFACTURING INC.	1047 Cooke Boulevard Burlington ON L7T 4A8	127.3	4
ETRATECH MANUFACTURING INC.	1047 Cooke Boulevard Burlington ON L7T 4A8	127.3	4
ETRATECH MANUFACTURING INC.	1047 Cooke Boulevard Burlington ON L7T 4A8	132.6	5

Site	Address	Distance (m)	Map Key
ETRATECH MANUFACTURING INC.	1047 Cooke Boulevard Burlington ON	132.6	5
BURLINGTON HYDRO ELECTRIC COMMISSION	1063 BEDFORD AVENUE C/O 1340 BRANT STREET BURLINGTON ON L7T 2K4	188.5	11
TCG MATERIALS LIMITED 37-466	101 MASONRY COURT BURLINGTON ON L7T 4A8	191.3	12
TCG MATERIALS LIMITED	101 MASONRY COURT BURLINGTON ON L7T 4A8	191.3	12
Coral Gable Homes Ltd.	1040 Bedford Avenue Burlington ON L7T 2K3	197.2	13
ETRATECH MANUFACTURING INC.	1074 COOKE BOULEVARD BURLINGTON ON L7T 4A8	216.8	18
ECLIPSE COLOUR ONTARIO LTD.	1074 COOKE BLVD BURLINGTON ON L7T 4A8	216.8	18
CATEGORY 5 IMAGING	1062 COOKE BLVD. BURLINGTON ON	220.2	19
CATEGORY 5 IMAGING	1062 COOKE BLVD. BURLINGTON ON L7T 4A8	220.2	19
CATEGORY 5 IMAGING	1062 COOKE BLVD. BURLINGTON ON L7T 4A8	220.8	20
CATEGORY 5 IMAGING	1062 COOKE BLVD. BURLINGTON ON L7T 4A8	220.8	20
CATEGORY 5 IMAGING	1062 COOKE BLVD. BURLINGTON ON L7T 4A8	220.8	20
CATEGORY 5 IMAGING	1062 COOKE BLVD. BURLINGTON ON L7T 4A8	220.8	20
CATEGORY 5 IMAGING	1062 COOKE BLVD. BURLINGTON ON L7T 4A8	220.8	20
CATEGORY 5 IMAGING	1062 COOKE BLVD. BURLINGTON ON L7T 4A8	220.8	20
ETRATECH PRINTED CIRCUIT BOARDS INC.	1062 COOKE BOULEVARD BURLINGTON ON L7T 4A8	220.8	20
INVESTIGATIVE SCIENCE INC.	1050 COOKE BLVD, UNIT 2 BURLINGTON ON	225.5	21
INVESTIGATIVE SCIENCE INC.	1050 COOKE BLVD, UNIT 2 BURLINGTON ON L7T 4A8	225.5	21
INVESTIGATIVE SCIENCE INC.	1050 COOKE BLVD, UNIT 2 BURLINGTON ON L7T 4A8	242.0	23
INVESTIGATIVE SCIENCE INC.	1050 COOKE BLVD, UNIT 2 BURLINGTON ON	242.0	23
INVESTIGATIVE SCIENCE INC.	1050 COOKE BLVD, UNIT 2 BURLINGTON ON	242.0	23
INVESTIGATIVE SCIENCE INC.	1050 COOKE BLVD, UNIT 2 BURLINGTON ON L7T 4A8	242.0	23
INVESTIGATIVE SCIENCE INC.	1050 COOKE BOULEVARD, UNIT 2 BURLINGTON ON L7T 4A8	242.0	23

Site	Address	Distance (m)	Map Key
INVESTIGATIVE SCIENCE INC.	1050 COOKE BLVD, UNIT 2 BURLINGTON ON L7T 4A8	242.0	23
INVESTIGATIVE SCIENCE INC.	1050 COOKE BLVD, UNIT 2 BURLINGTON ON	242.0	23
Eighth Empire Inc.	91 Plains Road East. Unit 2c Burlington ON L7T 2C2	245.7	25
Budget Car and Truck Rentals	71 Plains Road East Burlington ON L7T 2B8	249.9	27
PLAINS ROAD ANIMAL HOSPITAL	105 PLAINS ROAD EAST BURLINGTON ON L7T 2C2	258.2	32

HINC - TSSA Historic Incidents

A search of the HINC database, dated 2006-June 2009* has found that there are 1 HINC site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	109 PLAINS ROAD EAST BURLINGTON ON L7T 2C2	257.5	31

NPRI - National Pollutant Release Inventory

A search of the NPRI database, dated Dec 31, 2014 has found that there are 14 NPRI site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
ETRATECH INC.	1047 Cooke Boulevard Burlington ON L7T 4A8	149.0	8
Etratech Inc.	1047 Cooke Boulevard Burlington ON L7T4A8	149.0	8
ETRATECH	1047 Cooke Boulevard Burlington ON L7T4A8	149.0	8
ETRATECH	1047 Cooke Boulevard Burlington ON L7T4A8	149.0	8
Etratech Inc.	1047 Cooke Boulevard Burlington ON L7T4A8	149.0	8
ETRATECH	1047 Cooke Boulevard Burlington ON L7T4A8	149.0	8
Etratech Inc.	1047 Cooke Boulevard Burlington ON L7T4A8	149.0	8
ETRATECH INC.	1047 Cooke Boulevard Burlington ON L7T4A8	149.0	8
Etratech Inc	1047 Cooke Boulevard Burlington ON L7T 4A8	149.0	8
ETRATECH INC.	1047 Cooke Boulevard Burlington ON L7T4A8	149.0	8

Site	Address	Distance (m)	Map Key
ETRATECH INC.	1047 Cooke Boulevard Burlington ON L7T4A8	149.0	8
ETRATECH	1047 Cooke Boulevard Burlington ON L7T4A8	149.0	8
ETRATECH	1047 Cooke Boulevard Burlington ON L7T4A8	149.0	8
ETRATECH	1047 Cooke Boulevard Burlington ON L7T4A8	149.0	8

PINC - TSSA Pipeline Incidents

A search of the PINC database, dated Aug 31, 2016 has found that there are 2 PINC site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	1063 WATERDOWN RD, BURLINGTON ON	275.2	34
	1045 WATERDOWN RD, BURLINGTON ON	299.9	36

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
TCG MATERIALS LTD	101 MASONRY CT BURLINGTON ON	191.3	12

RSC - Record of Site Condition

A search of the RSC database, dated 1997-Sept 2001, Oct 2004-Jan 2016 has found that there are 1 RSC site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
1478510 Ontario Inc.	1040 Bedford Avenue, Burlington, Ontario , L7T 2K3, ON	198.9	14

RST - Retail Fuel Storage Tanks

A search of the RST database, dated Oct 31, 2015 has found that there are 1 RST site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
PETRO-PARTNERS	91 PLAINS RD E BURLINGTON ON L7T 2C2	251.8	28

SCT - Scott's Manufacturing Directory

A search of the SCT database, dated 1992-Mar 2011* has found that there are 15 SCT site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
Municipal Automation Services	1073 St. Matthew's Ave Burlington ON L7T 2J3	78.1	3
Etratech Inc.	1047 Cooke Blvd Burlington ON L7T 4A8	127.3	4
T C G MATERIALS LIMITED	101 MASONRY CRT BURLINGTON ON L7T 4A8	191.3	12
Townmedia, Laurel Oak	1074 Cooke Blvd Burlington ON L7T 4A8	216.8	18
Ontario Golf	1074 Cooke Blvd Burlington ON L7T 4A8	216.8	18
Eclipse Colour Ltd.	1074 Cooke Blvd Burlington ON L7T 4A8	216.8	18
ETRATECH DESIGN INC.	1074 COOKE BLVD BURLINGTON ON L7T 4A8	216.8	18
Town Media	1074 Cooke Blvd Burlington ON L7T 4A8	216.8	18
Primary Fluid Systems Inc.	1050 Cooke Blvd Unit 3-4 Burlington ON L7T 4A8	242.0	23
BHC CABLE ASSEMBLIES INC.	1050 Cooke Blvd Unit 3 Burlington ON L7T 4A8	242.0	23
ABBEY STAINED GLASS	115 Plains Rd E Burlington ON L7T 2C2	246.7	26
Abbey Stained Glass	91 Plains Rd E Burlington ON L7T 2C2	251.8	28
BHC Cable Assemblies Inc.	2 Masonry Crt Burlington ON L7T 4A8	253.9	29
O'Dell Associates Inc.	1038 Cooke Blvd Unit 3 Burlington ON L7T 4A8	261.7	33
Lextoner.com	1038 Cooke Blvd Unit 2 Burlington ON L7T 4A8	261.7	33

SPL - Ontario Spills

A search of the SPL database, dated 1988-Jan 2016 has found that there are 5 SPL site(s) within approximately 0.30 kilometers of the project property.

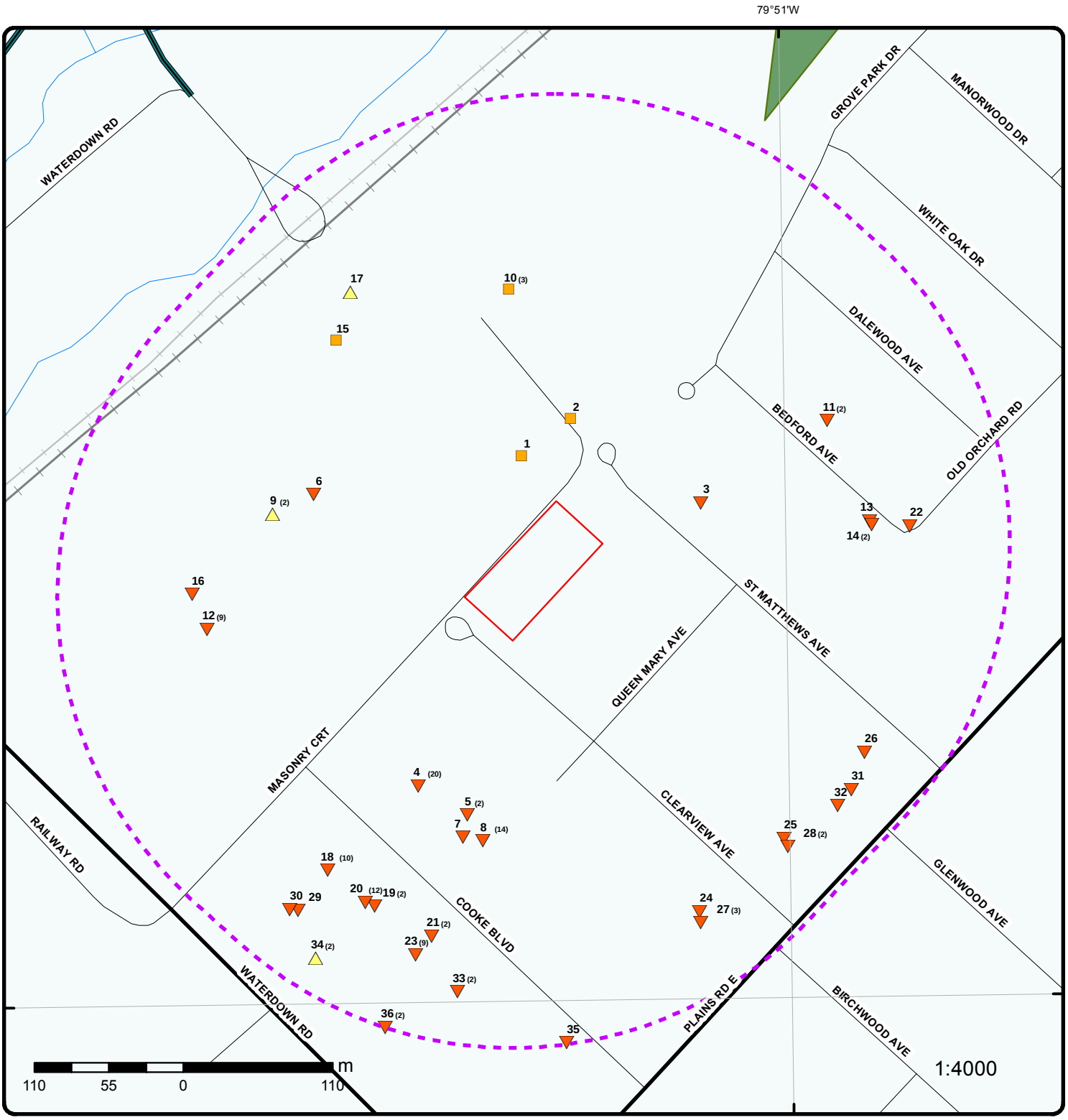
Site	Address	Distance (m)	Map Key
Canadian National Railway Company	121 Masonry Crt Burlington ON	159.8	10
BURLINGTON HYDRO-ELECTRIC COMM	1063 BEDFORD AVE TRANSFORMER BURLINGTON CITY ON L7T 2K4	188.5	11

Site	Address	Distance (m)	Map Key
BURLINGTON HYDRO	71 PLAINS RD EAST TRANSFORMER BURLINGTON CITY ON L7T 2B8	249.9	27
Union Gas Limited	1063 Waterdown Rd Burlington ON	275.2	34
Enbridge Gas Distribution Inc.	1045 Waterdown Rd Burlington ON	299.9	36

WWIS - Water Well Information System

A search of the WWIS database, dated Jun 30, 2016 has found that there are 6 WWIS site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	Burlington ON	42.2	1
	Burlington ON	61.8	2
	lot 6 con 1 ON	199.1	15
	Burlington ON	215.8	17
	BURLINGTON ON	242.4	24
	Burlington ON	299.1	35



Map : 0.3 Kilometer Radius

Address: 1085 Clearview Ave., Burlington, ON
Order No: 20161110141

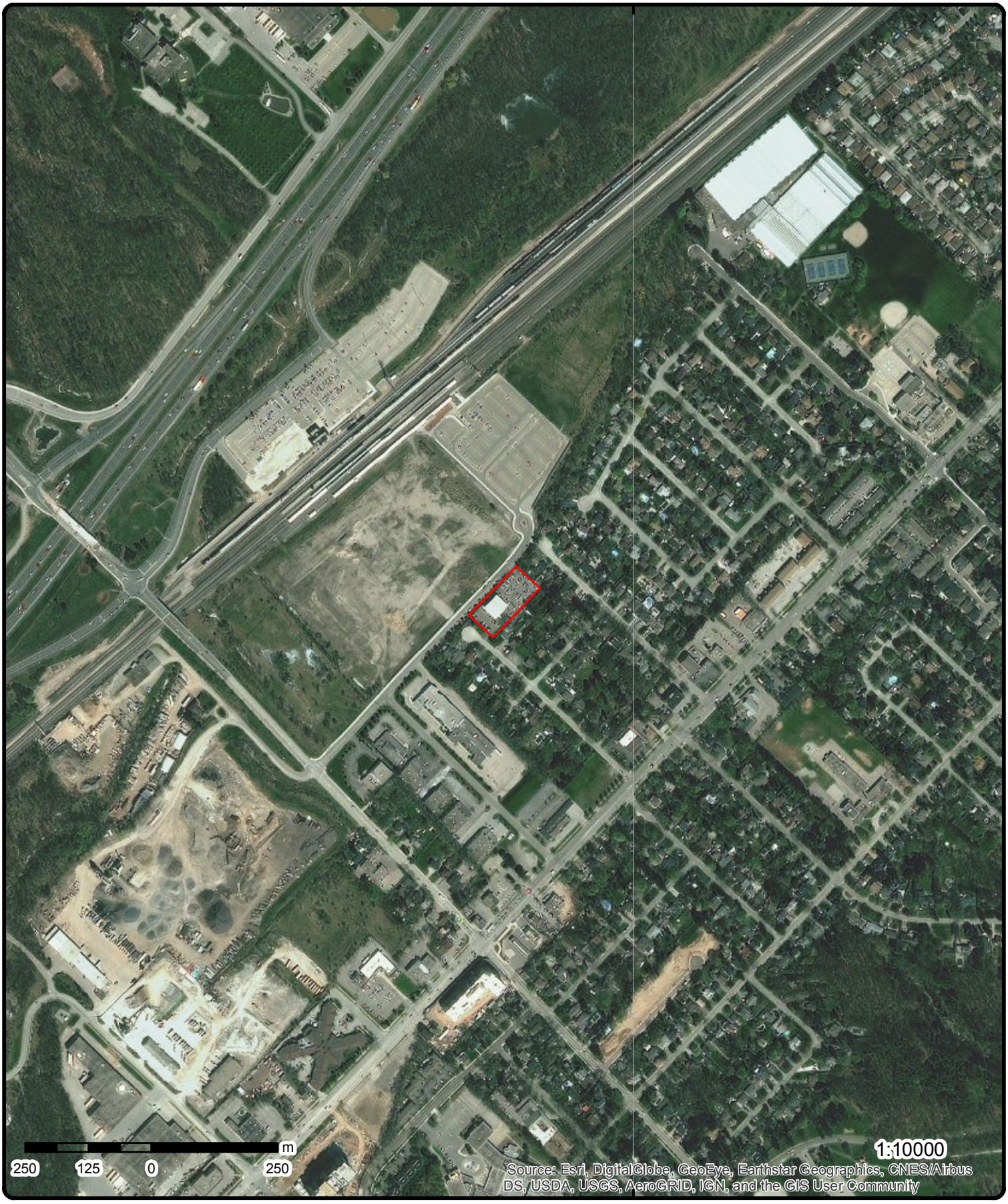
ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

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

Source: © 2015 DMTI Spatial Inc.

© Ecolog ERIS Ltd

79°51'W



Aerial

Order No: 20161110141

Address: 1085 Clearview Ave., Burlington, ON

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Source: ESRI World Imagery

© Ecolog ERIS Ltd

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
1	1 of 1	N/42.2	104.8	Burlington ON	WWIS

Well ID: 7227608
Construction Date:
Primary Water Use:
Sec. Water Use:
Final Well Status: Abandoned-Other
Specific Capacity:
Municipality: BURLINGTON CITY
County: HALTON

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

Bore Hole Information

--	--
Bore Hole ID:	1005127718
DP2BR:	
Code OB:	
Code OB Description:	
Open Hole:	
Date Completed:	30-JUN-14
Remarks:	
Zone:	17
East 83:	593065
North 83:	4796097
UTMRC:	4
UTMRC Description:	margin of error : 30 m - 100 m
Location Method:	wwr
Org CS:	UTM83
Elevation:	
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--

Overburden and Bedrock Materials Interval

--	--
Formation ID:	1005374658
Layer:	
General Color:	
Most Common Material:	
Other Materials:	
Other Materials:	
Formation Top Depth:	
Formation End Depth:	
Formation End Depth UOM:	ft
--	--

Annular Space/Abandonment Sealing Record

--	--
Plug ID:	1005374664
Layer:	1

Plug From:	24
Plug To:	12
Plug Depth UOM:	ft
--	--
Plug ID:	1005374665
Layer:	2
Plug From:	12
Plug To:	0
Plug Depth UOM:	ft
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	1005374663
Method Construction Code:	
Method Construction:	
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	1005374657
Casing Number:	0
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	1005374661
Layer:	
Open Hole or Material:	
Depth From:	
Depth To:	
Casing Diameter:	
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
--	--
Construction Record - Screen	
--	--
Screen ID:	1005374662
Layer:	
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	
--	--
Hole Diameter	
--	--
Hole ID:	1005374659
Diameter:	
Depth From:	
Depth To:	
Hole Depth UOM:	ft
Hole Diameter UOM:	inch
--	--
--	--

2 ***1 of 1*** ***NNE/61.8*** ***104.8*** ***Burlington ON*** ***WWIS***

Well ID:	7232366	***Lot:***	
Construction Date:		***Concession:***	

Primary Water Use:	Monitoring	***Concession Name:***	
Sec. Water Use:		***Easting NAD83:***	
Final Well Status:	Observation Wells	***Northing NAD83:***	
Specific Capacity:		***Zone:***	
Municipality:	BURLINGTON CITY	***UTM Reliability:***	
County:	HALTON		

Bore Hole Information

--	--
Bore Hole ID:	1005237686
DP2BR:	
Code OB:	
Code OB Description:	
Open Hole:	
Date Completed:	17-JUN-14
Remarks:	
Zone:	17
East 83:	593101
North 83:	4796124
UTMRC:	4
UTMRC Description:	margin of error : 30 m - 100 m
Location Method:	wwr
Org CS:	dms83
Elevation:	
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--

Overburden and Bedrock Materials Interval

--	--
Formation ID:	1005445125
Layer:	1
General Color:	BROWN
Most Common Material:	SAND
Other Materials:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	4
Formation End Depth UOM:	ft
--	--
Formation ID:	1005455671
Layer:	2
General Color:	BROWN
Most Common Material:	SAND
Other Materials:	WATER-BEARING
Other Materials:	
Formation Top Depth:	4
Formation End Depth:	15
Formation End Depth UOM:	ft
--	--
Formation ID:	1005455672
Layer:	3
General Color:	GREY
Most Common Material:	TILL
Other Materials:	CLAY
Other Materials:	
Formation Top Depth:	15
Formation End Depth:	32
Formation End Depth UOM:	ft
--	--

Formation ID:	1005455673
Layer:	4
General Color:	RED
Most Common Material:	SHALE
Other Materials:	
Other Materials:	
Formation Top Depth:	32
Formation End Depth:	40
Formation End Depth UOM:	ft
--	--
Annular Space/Abandonment Sealing Record	
--	--
Plug ID:	1005445131
Layer:	1
Plug From:	
Plug To:	
Plug Depth UOM:	ft
--	--
Plug ID:	1005445132
Layer:	1
Plug From:	0
Plug To:	34
Plug Depth UOM:	ft
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	1005445130
Method Construction Code:	6
Method Construction:	Boring
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	1005445123
Casing Number:	0
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	1005445128
Layer:	1
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	35
Casing Diameter:	1.8
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
--	--
Construction Record - Screen	
--	--
Screen ID:	1005445129
Layer:	1
Slot:	10
Screen Top Depth:	35
Screen End Depth:	40
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	2
--	--
Well Yield Testing	
--	--

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Pump Test ID:		1005445124			
Pump Set At:					
Static Level:					
Final Level After Pumping:					
Recommended Pump Depth:					
Pumping Rate:					
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		0			
Water State After Test:					
Pumping Test Method:		0			
Pumping Duration HR:					
Pumping Duration MIN:					
Flowing:					
--		--			
Hole Diameter					
--		--			
Hole ID:		1005445126			
Diameter:					
Depth From:					
Depth To:					
Hole Depth UOM:		ft			
Hole Diameter UOM:		inch			
--		--			
--		--			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
3	1 of 1	ENE/78.1	104.6	**Municipal Automation Services** **1073 St. Matthew's Ave** **Burlington ON L7T 2J3**	SCT
Established:		1982			
Plant Size (ft²):					
Employment:		3			
--- Details ---					
Description:		Software Publishers			
SIC/NAICS Code:		511210			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
4	1 of 20	SSW/127.3	104.4	**Etratech Printed Circuit Boards Inc.** **1047 Cooke Boulevard** **Burlington ON**	CA
Certificate #:		3526-6QCJDJ			
Application Year:		2006			
Issue Date:		6/5/2006			
Approval Type:		Air			
Status:		Revoked and/or Replaced			
Application Type:					
Client Name:					
Client Address:					
Client City:					
Client Postal Code:					
Project Description:					
Contaminants:					
Emission Control:					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
4	2 of 20	SSW/127.3	104.4	**Etratech Inc.** **1047 Cooke Blvd** **Burlington ON**	CA
Certificate #:		1361-7R5P5X			

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

Application Year: 2009
Issue Date: 7/14/2009
Approval Type: Air
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

---

4 | **3 of 20** | **SSW/127.3** | **104.4** | **Etratech Printed Circuit Boards Inc.**
1047 Cooke Boulevard
Burlington ON | **CA**

Certificate #: 6640-6XPJ8Z
Application Year: 2007
Issue Date: 3/10/2007
Approval Type: Air
Status: Revoked and/or Replaced
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

---

4 | **4 of 20** | **SSW/127.3** | **104.4** | **Etratech Printed Circuit Boards Inc.**
1047 Cooke Boulevard
Burlington ON | **CA**

Certificate #: 0119-5MYJCZ
Application Year: 2003
Issue Date: 7/31/2003
Approval Type: Air
Status: Revoked and/or Replaced
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

---

4 | **5 of 20** | **SSW/127.3** | **104.4** | **ETRATECH INC**
1047 COOKE BLVD.
BURLINGTON ON L7T 4A8 | **EASR**

Longitude:
Latitude:
Record Type:
PDF URL:
CofA Number: R-003-9341213792
Date: 29-MAY-13
Status: Registered
Project Type: Heating System

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
4	6 of 20	SSW/127.3	104.4	**Ethratech Printed Circuit Boards Inc.** **1047 Cooke Boulevard** **Burlington ON**	EBR

Year: 2003
Notice Date:
EBR Registry No.: IA03E0521
Ministry Ref. No.: 5755-5L9S2H
Notice Type: Instrument Decision
Instrument Type: Approval for discharge into the natural environment other than water (i.e. Air) - EPA s. 9
Proposal Date: 4/16/03
Location: 1047 Cooke Boulevard Burlington Ontario
Proponent Address: 1047 Cooke Boulevard Burlington Ontario L7T 4A8

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
4	7 of 20	SSW/127.3	104.4	**Etratech Printed Circuit Boards Inc.** **1047 Cooke Boulevard** **Burlington ON L7T 4A8**	EBR

Year: 2007
Notice Date:
EBR Registry No.: 010-2249
Ministry Ref. No.: 1766-78FJ4Z
Notice Type: Instrument Proposal
Instrument Type: (EPA s. 9) - Approval for discharge into the natural environment other than water (i.e. Air)
Proposal Date: December 05, 2007
Location: 1047 Cooke Boulevard Burlington
Proponent Address: 1047 Cooke Boulevard Burlington Ontario Canada L7T 4A8

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
4	8 of 20	SSW/127.3	104.4	**Etratech Inc.** **1047 Cooke Boulevard** **BURLINGTON ON L7T 4A8**	EBR

Year: 2013
Notice Date:
EBR Registry No.: 011-9503
Ministry Ref. No.: 1835-987RSV
Notice Type: Instrument Proposal
Instrument Type: (EPA Part II.1) - Environmental Compliance Approval (project type: air)
Proposal Date: July 04, 2013
Location: 1047 Cooke Boulevard Burlington, Regional Municipality of Halton CITY OF BURLINGTON
Proponent Address: 1047 Cooke boulevard, Burlington Ontario, Canada L7T 4A8

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
4	9 of 20	SSW/127.3	104.4	**Etratech Printed Circuit Boards Inc.** **1047 Cooke Boulevard** **Burlington ON**	EBR

Year: 2006
Notice Date:
EBR Registry No.: IA06E0944
Ministry Ref. No.: 1844-6RKQ49
Notice Type: Instrument Decision
Instrument Type: Approval for discharge into the natural environment other than water (i.e. Air) - EPA s. 9
Proposal Date:
Location: 1047 Cooke Boulevard Burlington Ontario
Proponent Address: 1047 Cooke Boulevard Burlington Ontario L7T 4A8

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
4	10 of 20	SSW/127.3	104.4	ETRATECH DESIGNS INC. 1047 COOKE BOULEVARD City of Burlington ON L7T 4A8	EBR

Year: 1997
Notice Date:
EBR Registry No.: IA7E1222
Ministry Ref. No.:
Notice Type: Instrument
Instrument Type: EPA s. 9 - Approval for discharge into the natural environment other than water (i.e. Air)
Proposal Date: 8/22/97
Location: City of Burlington
Proponent Address: ETRATECH DESIGNS INC.,1074 Cooke Boulevard,Burlington, Ontario,L7T 4A8

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
4	11 of 20	SSW/127.3	104.4	Etratech Printed Circuit Boards Inc. 1047 Cooke Boulevard Burlington ON	EBR

Year: 2005
Notice Date:
EBR Registry No.: IA05E0782
Ministry Ref. No.: 6132-6BSQ6K
Notice Type: Instrument Decision
Instrument Type: Approval for discharge into the natural environment other than water (i.e. Air) - EPA s. 9
Proposal Date:
Location: 1047 Cooke Boulevard Burlington Ontario
Proponent Address: 1047 Cooke Boulevard Burlington Ontario L7T 4A8

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
4	12 of 20	SSW/127.3	104.4	1047 Cooke Blvd Burlington ON L7T 4A8	EHS

Postal Code:
City:
Address2:
Address1:
Provstate:
Order No.: 20031007004
Addit. Info Ordered: Fire Insur. Maps and/or Site Plans and/or Inspection Reports
Report Date: 10/17/03
Report Type: Basic Report
Search Radius (km): 0.35

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
4	13 of 20	SSW/127.3	104.4	ETRATECH MANUFACTURING INC. 1047 Cooke Boulevard Burlington ON L7T 4A8	GEN

PO Box Num:
Status:
Country:
Generator #: ON1622301
Approval Yrs: 02,03,04,05,06,07,08
SIC Code:
SIC Description:

--- Details ---
Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES
+
Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS
+

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

Waste Code: 232
Waste Description: POLYMERIC RESINS
+
Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS
+
Waste Code: 146
Waste Description: OTHER SPECIFIED INORGANICS
+
Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS
+
Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

4	14 of 20	SSW/127.3	104.4	ETRATECH MANUFACTURING INC. 1047 Cooke Boulevard Burlington ON L7T 4A8	GEN

PO Box Num:
Status:
Country:
Generator #: ON1622301
Approval Yrs: 2011
SIC Code: 334410
SIC Description: Semiconductor and Other Electronic Component Manufacturing

--- Details ---
Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS
+
Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS
+
Waste Code: 146
Waste Description: OTHER SPECIFIED INORGANICS

4	15 of 20	SSW/127.3	104.4	ETRATECH MANUFACTURING INC. 1047 Cooke Boulevard Burlington ON L7T 4A8	GEN

PO Box Num:
Status:
Country:
Generator #: ON1622301
Approval Yrs: 2009
SIC Code: 334410
SIC Description: Semiconductor and Other Electronic Component Manufacturing

--- Details ---
Waste Code: 146
Waste Description: OTHER SPECIFIED INORGANICS
+
Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS
+
Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

4	16 of 20	SSW/127.3	104.4	ETRATECH MANUFACTURING INC. 1047 Cooke Boulevard Burlington ON L7T 4A8	GEN

PO Box Num:

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

Status:
Country:
Generator #: ON1622301
Approval Yrs: 2012
SIC Code: 334410
SIC Description: Semiconductor and Other Electronic Component Manufacturing

--- Details ---
Waste Code: 146
Waste Description: OTHER SPECIFIED INORGANICS
+
Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS
+
Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
4	17 of 20	SSW/127.3	104.4	ETRATECH MANUFACTURING INC. 1047 Cooke Boulevard Burlington ON L7T 4A8	GEN

PO Box Num:
Status:
Country:
Generator #: ON1622301
Approval Yrs: As of May 2015
SIC Code:
SIC Description:

--- Details ---
Waste Code: 252
Waste Description: Waste crankcase oils and lubricants
+
Waste Code: 146
Waste Description: Other specified inorganic sludges, slurries or solids
+
Waste Code: 212
Waste Description: Aliphatic solvents and residues
+
Waste Code: 251
Waste Description: Waste oils/sludges (petroleum based)

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
4	18 of 20	SSW/127.3	104.4	ETRATECH MANUFACTURING INC. 1047 COOKE BOULEVARD BURLINGTON ON L7T 4A8	GEN

PO Box Num:
Status:
Country:
Generator #: ON1622303
Approval Yrs: 97,98,99,00,01
SIC Code: 3352
SIC Description: ELECT. PARTS & COMP.

--- Details ---
Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES
+
Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS
+
Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS
+
Waste Code: 232

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

Waste Description: POLYMERIC RESINS
+
Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

---

4 | **19 of 20** | **SSW/127.3** | **104.4** | **ETRATECH MANUFACTURING INC.**
1047 Cooke Boulevard
Burlington ON L7T 4A8 | **GEN**

PO Box Num:
Status:
Country:
Generator #: ON1622301
Approval Yrs: 2010
SIC Code: 334410
SIC Description: Semiconductor and Other Electronic Component Manufacturing

--- Details ---
Waste Code: 146
Waste Description: OTHER SPECIFIED INORGANICS
+
Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS
+
Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

---

4 | **20 of 20** | **SSW/127.3** | **104.4** | **Etratech Inc.**
1047 Cooke Blvd
Burlington ON L7T 4A8 | **SCT**

Established: 01-AUG-89
Plant Size (ft²): 46000
Employment:

--- Details ---
Description: Semiconductor and Other Electronic Component Manufacturing
SIC/NAICS Code: 334410
+
Description: Measuring, Medical and Controlling Devices Manufacturing
SIC/NAICS Code: 334512

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5 | **1 of 2** | **SSW/132.6** | **101.9** | **ETRATECH MANUFACTURING INC.**
1047 Cooke Boulevard
Burlington ON L7T 4A8 | **GEN**

PO Box Num:
Status: Registered
Country: Canada
Generator #: ON1622301
Approval Yrs: As of Sep 2016
SIC Code:
SIC Description:

--- Details ---
Waste Code: 122 C
Waste Description: Alkaline slutions - containing other metals and non-metals (not cyanide)
+
Waste Code: 146 T
Waste Description: Other specified inorganic sludges, slurries or solids
+
Waste Code: 146 L
Waste Description: Other specified inorganic sludges, slurries or solids
+

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

Waste Code: 212 I
Waste Description: Aliphatic solvents and residues
+
Waste Code: 252 L
Waste Description: Waste crankcase oils and lubricants
+
Waste Code: 268 C
Waste Description: Amines
+
Waste Code: 251 L
Waste Description: Waste oils/sludges (petroleum based)

---

5 | **2 of 2** | **SSW/132.6** | **101.9** | **ETRATECH MANUFACTURING INC.**
1047 Cooke Boulevard
Burlington ON | **GEN**

PO Box Num:
Status:
Country:
Generator #: ON1622301
Approval Yrs: 2013
SIC Code: 334410
SIC Description: SEMICONDUCTOR AND OTHER ELECTRONIC COMPONENT MANUFACTURING

--- Details ---
Waste Code: 146
Waste Description: OTHER SPECIFIED INORGANICS
+
Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS
+
Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

---

6 | **1 of 1** | **WNW/134.5** | **103.7** | **101 Masonry Crt**
Burlington ON L7T4A8 | **EHS**

Postal Code:
City:
Address2:
Address1:
Provstate:
Order No.: 20140410013
Addit. Info Ordered: Fire Insur. Maps and/or Site Plans; Topographic Maps; City Directory; Aerial Photos
Report Date: 17-APR-14
Report Type: Custom Report
Search Radius (km): .25

---

7 | **1 of 1** | **SSW/149.0** | **100.0** | **1047 Cooke Blvd**
Burlington ON L7T4A8 | **EHS**

Postal Code:
City:
Address2:
Address1:
Provstate:
Order No.: 20140624044
Addit. Info Ordered:
Report Date: 04-JUL-14
Report Type: Standard Report
Search Radius (km): .25

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
8	1 of 14	S/149.0	100.0	ETRATECH INC. 1047 Cooke Boulevard Burlington ON L7T 4A8	NPRI

Longitude: -79.8528
NPRI #: 0000007161
Year: 2002
Latitude: 43.3094

--- Details ---
Units: kg
Air: .113
Water:
Substances Released: Lead (and its compounds)
Land:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
8	2 of 14	S/149.0	100.0	Etratech Inc. 1047 Cooke Boulevard Burlington ON L7T4A8	NPRI

Longitude: -79.8528
NPRI #: 0000007161
Year: 2012
Latitude: 43.3094

--- Details ---
Units: kg
Air: .18
Water:
Substances Released: Lead (and its compounds)
Land:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
8	3 of 14	S/149.0	100.0	ETRATECH 1047 Cooke Boulevard Burlington ON L7T4A8	NPRI

Longitude: -79.8528
NPRI #: 0000007161
Year: 2008
Latitude: 43.3094

--- Details ---
Units: kg
Air: .21
Water:
Substances Released: Lead (and its compounds)
Land:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
8	4 of 14	S/149.0	100.0	ETRATECH 1047 Cooke Boulevard Burlington ON L7T4A8	NPRI

Longitude: -79.8528
NPRI #: 0000007161
Year: 2005
Latitude: 43.3094

--- Details ---
Units: kg
Air: .113
Water:
Substances Released: Lead (and its compounds)
Land:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
8	5 of 14	S/149.0	100.0	Etratech Inc. 1047 Cooke Boulevard Burlington ON L7T4A8	NPRI

Longitude: -79.8528
NPRI #: 0000007161
Year: 2014
Latitude: 43.3094

--- Details ---
Units: kg
Air: .18
Water:
Substances Released: Lead (and its compounds)
Land:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
8	6 of 14	S/149.0	100.0	ETRATECH 1047 Cooke Boulevard Burlington ON L7T4A8	NPRI

Longitude: -79.8528
NPRI #: 0000007161
Year: 2004
Latitude: 43.3094

--- Details ---
Units: kg
Air: .113
Water:
Substances Released: Lead (and its compounds)
Land:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
8	7 of 14	S/149.0	100.0	ETRATECH 1047 Cooke Boulevard Burlington ON L7T4A8	NPRI

Longitude: -79.8528
NPRI #: 0000007161
Year: 2006
Latitude: 43.3094

--- Details ---
Units: kg
Air: .17
Water:
Substances Released: Lead (and its compounds)
Land:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
8	8 of 14	S/149.0	100.0	ETRATECH INC. 1047 Cooke Boulevard Burlington ON L7T4A8	NPRI

Longitude: -79.8528
NPRI #: 0000007161
Year: 2011
Latitude: 43.3094

--- Details ---
Units: kg
Air: .18
Water:
Substances Released: Lead (and its compounds)

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

Land:

8	9 of 14	S/149.0	100.0	**Etratech Inc** **1047 Cooke Boulevard** **Burlington ON L7T 4A8**	NPRI

Longitude: -79.8528
NPRI #: 0000007161
Year: 2001
Latitude: 43.3094

--- Details ---
Units: tonnes
Air: 0
Water:
Substances Released: Lead (and its compounds)
Land:

8	10 of 14	S/149.0	100.0	**ETRATECH INC.** **1047 Cooke Boulevard** **Burlington ON L7T4A8**	NPRI

Longitude: -79.8528
NPRI #: 0000007161
Year: 2010
Latitude: 43.3094

--- Details ---
Units: kg
Air: .18
Water:
Substances Released: Lead (and its compounds)
Land:

8	11 of 14	S/149.0	100.0	**ETRATECH INC.** **1047 Cooke Boulevard** **Burlington ON L7T4A8**	NPRI

Longitude: -79.8528
NPRI #: 0000007161
Year: 2003
Latitude: 43.3094

--- Details ---
Units: kg
Air: .113
Water:
Substances Released: Lead (and its compounds)
Land:

8	12 of 14	S/149.0	100.0	**ETRATECH** **1047 Cooke Boulevard** **Burlington ON L7T4A8**	NPRI

Longitude: -79.8528
NPRI #: 0000007161
Year: 2009
Latitude: 43.3094

--- Details ---
Units: kg
Air: .21
Water:

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

Substances Released: Lead (and its compounds)
Land:

8	13 of 14	S/149.0	100.0	ETRATECH 1047 Cooke Boulevard Burlington ON L7T4A8	NPRI

Longitude: -79.8528
NPRI #: 0000007161
Year: 2007
Latitude: 43.3094

--- Details ---
Units: kg
Air: .25
Water:
Substances Released: Lead (and its compounds)
Land:

8	14 of 14	S/149.0	100.0	Etratech Inc. 1047 Cooke Boulevard Burlington ON L7T4A8	NPRI

Longitude: -79.8528
NPRI #: 0000007161
Year: 2013
Latitude: 43.3094

--- Details ---
Units: kg
Air: .18
Water:
Substances Released: Lead (and its compounds)
Land:

9	1 of 2	WNW/153.9	105.0	TCG MATERIALS LTD 101 MASONRY CRT BURLINGTON ON L7T 4A8	EXP

Instance ID:
TSSA Program Area:
Maximum Hazard Rank:
Facility Type: FS Liquid Fuel Tank
Expired Date: 4/5/2010 2:01:47 PM
Instance Number: 10634808
Instance Type: FS Liquid Fuel Tank
Status: EXPIRED
Description: FS Gasoline Station - Full Serve

9	2 of 2	WNW/153.9	105.0	TCG MATERIALS LTD 101 MASONRY CRT BURLINGTON ON L7T 4A8	EXP

Instance ID:
TSSA Program Area:
Maximum Hazard Rank:
Facility Type: FS Liquid Fuel Tank
Expired Date: 4/5/2010 2:00:52 PM
Instance Number: 10634759
Instance Type: FS Liquid Fuel Tank
Status: EXPIRED
Description: FS Gasoline Station - Full Serve

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
10	1 of 3	N/159.8	104.8	Greater Toronto Transit Authority 121 Masonry Crt Burlington ON	CA

Certificate #: 7964-75PJSR
Application Year: 2007
Issue Date: 8/2/2007
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:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
10	2 of 3	N/159.8	104.8	METROLINX 121 Masonry Crt Lot 5, 6, Concession 1EP PT Burlington ON	ECA

Record Type:
PDF URL:
Full Address:
CofA Number: 9519-8ULG36
Date: 6/18/12
Status: Approved
Project Type: Industrial Sewage

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
10	3 of 3	N/159.8	104.8	Canadian National Railway Company 121 Masonry Crt Burlington ON	SPL

Ref NO: 0174-7N2JJT
Contaminant Code:
Contaminant Name: DIESEL FUEL
Contaminant Quantity: 20 L
Incident Cause: Other Discharges
Incident Dt:
Incident Reason: Spill
Incident Summary: CN Rail- Diesel to railroad bed 20L, cln
MOE Reported Dt: 1/6/2009
Environmental Impact: Confirmed
Nature of Impact: Soil Contamination
Receiving Medium:
SAC Action Class: Derailment / Railway Spills
Sector Source Type: Train
Site Municipality: Burlington

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
11	1 of 2	ENE/188.5	102.8	BURLINGTON HYDRO ELECTRIC COMMISSION 1063 BEDFORD AVENUE C/O 1340 BRANT STREET BURLINGTON ON L7T 2K4	GEN

PO Box Num:
Status:
Country:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Generator #:		ON0676612			
Approval Yrs:		93,94			
SIC Code:		0000			
SIC Description:		*** NOT DEFINED ***			
11	2 of 2	ENE/188.5	102.8	BURLINGTON HYDRO-ELECTRIC COMM 1063 BEDFORD AVE TRANSFORMER BURLINGTON CITY ON L7T 2K4	SPL
Ref NO:		89924			
Contaminant Code:					
Contaminant Name:					
Contaminant Quantity:					
Incident Cause:		COOLING SYSTEM LEAK			
Incident Dt:		8/17/1993			
Incident Reason:		OVERSTRESS/OVERPRESSURE			
Incident Summary:		BURLINGTON HYDRO-<8 LITERTRANSFORMER OIL TO POLE &GROUND,114 PPM PCB'S.			
MOE Reported Dt:		8/17/1993			
Environmental Impact:		NOT ANTICIPATED			
Nature of Impact:		Soil contamination			
Receiving Medium:		LAND			
SAC Action Class:					
Sector Source Type:					
Site Municipality:		14101			
12	1 of 9	W/191.3	104.3	TCG MATERIALS LTD 101 MASONRY CRT BURLINGTON ON	EXP
Instance ID:		31462			
TSSA Program Area:					
Maximum Hazard Rank:					
Facility Type:					
Expired Date:					
Instance Number:		10634786			
Instance Type:		FS Piping			
Status:		EXPIRED			
Description:		FS Piping			
12	2 of 9	W/191.3	104.3	TCG MATERIALS LTD 101 MASONRY CRT BURLINGTON ON	EXP
Instance ID:		30531			
TSSA Program Area:					
Maximum Hazard Rank:					
Facility Type:					
Expired Date:					
Instance Number:		10634808			
Instance Type:		FS Liquid Fuel Tank			
Status:		EXPIRED			
Description:		FS Liquid Fuel Tank			
12	3 of 9	W/191.3	104.3	TCG MATERIALS LTD 101 MASONRY CRT BURLINGTON ON L7T 4A8	EXP
Instance ID:					
TSSA Program Area:					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site		DB
Maximum Hazard Rank:						
Facility Type:						
Expired Date:		4/5/2010 14:02				
Instance Number:		9472288				
Instance Type:		FS Facility				
Status:		EXPIRED				
Description:						
12	4 of 9	W/191.3	104.3	TCG MATERIALS LTD 101 MASONRY CRT BURLINGTON ON		EXP
Instance ID:		31421				
TSSA Program Area:						
Maximum Hazard Rank:						
Facility Type:						
Expired Date:						
Instance Number:		10634759				
Instance Type:		FS Liquid Fuel Tank				
Status:		EXPIRED				
Description:		FS Liquid Fuel Tank				
12	5 of 9	W/191.3	104.3	TCG MATERIALS LTD 101 MASONRY CRT BURLINGTON ON		EXP
Instance ID:		32080				
TSSA Program Area:						
Maximum Hazard Rank:						
Facility Type:						
Expired Date:						
Instance Number:		10634826				
Instance Type:		FS Piping				
Status:		EXPIRED				
Description:		FS Piping				
12	6 of 9	W/191.3	104.3	TCG MATERIALS LIMITED 101 MASONRY COURT BURLINGTON ON L7T 4A8	37-466	GEN
PO Box Num:						
Status:						
Country:						
Generator #:		ON0683405				
Approval Yrs:		92,93,94,95,96				
SIC Code:		0821				
SIC Description:		SAND & GRAVEL PITS				
--- Details ---						
Waste Code:		213				
Waste Description:		PETROLEUM DISTILLATES				
+						
Waste Code:		252				
Waste Description:		WASTE OILS & LUBRICANTS				
12	7 of 9	W/191.3	104.3	TCG MATERIALS LIMITED 101 MASONRY COURT BURLINGTON ON L7T 4A8		GEN
PO Box Num:						

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

Status:
Country:
Generator #: ON0683405
Approval Yrs: 97,98,99,00,01
SIC Code: 0821
SIC Description: SAND & GRAVEL PITS

--- Details ---
Waste Code: 213
Waste Description: PETROLEUM DISTILLATES
+
Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

12	8 of 9	W/191.3	104.3	TCG MATERIALS LTD 101 MASONRY CT BURLINGTON ON	PRT

Location ID: 2491
Type: retail
Expiry Date: 1996-02-28
Capacity (L): 50000
Licence #: 0012892001

12	9 of 9	W/191.3	104.3	T C G MATERIALS LIMITED 101 MASONRY CRT BURLINGTON ON L7T 4A8	SCT

Established: 0000
Plant Size (ft²): 0
Employment: 20

--- Details ---
Description: CONCRETE BLOCK AND BRICK
SIC/NAICS Code: 3271

13	1 of 1	E/197.2	101.8	Coral Gable Homes Ltd. 1040 Bedford Avenue Burlington ON L7T 2K3	GEN

PO Box Num:
Status:
Country:
Generator #: ON3069698
Approval Yrs: 06
SIC Code: 531390
SIC Description: Other Activities Related to Real Estate

--- Details ---
Waste Code: 221
Waste Description: LIGHT FUELS

14	1 of 2	E/198.9	101.8	Coral Gable Homes Ltd. 1040 Bedford Ave Burlington ON	CA

Certificate #: 2776-6TLJL3
Application Year: 2006
Issue Date: 9/15/2006
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:

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

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

---

14 | ***2 of 2*** | ***E/198.9*** | ***101.8*** | ***1478510 Ontario Inc.***
1040 Bedford Avenue, Burlington, Ontario , L7T 2K3,
ON | ***RSC***

Date Submitted:	11-Oct-06
Date Acknowledg.:	
Date Returned:	
Certification Date:	28-Aug-06
Soil Type:	
Restoration Type:	
Registration #:	3902
Stratified (Y/N):	
Criteria:	
Consultant:	
District Office:	BURLINGTON
Intended Prop Use:	Residential
Current Property Use:	Commercial
Certificate Prop Use #:	No CPU
Applicable Standards:	Full Depth Site Conditions Standard, with Nonpotable Ground Water, Coarse Textured Soil, for Residential/Parkland/Institutional property use
Legal Description:	Part Lot 5, Concession 1, as in FH267116, except 307960; T/W 307960; Burlington/ E Flam Twp
Prop. Identification #:	07114-0044 (LT)
Entire legal prop. (y/n):	Yes
UTM Coordinates:	NAD83 17-593300-4795800
Latitude & Longitude:	43.30925030N 79.84955020W (converted from UTM)
Accuracy Estimate:	11 to 20 meters
Measurement Method:	Interpolation from a map
CPU Issued Sect 1686:	No

---

15 | ***1 of 1*** | ***NW/199.1*** | ***104.8*** | ***lot 6 con 1***
ON | ***WWIS***

Well ID:	2800273	***Lot:***	006
Construction Date:		***Concession:***	01
Primary Water Use:	Commerical	***Concession Name:***	FEF
Sec. Water Use:		***Easting NAD83:***	
Final Well Status:	Water Supply	***Northing NAD83:***	
Specific Capacity:		***Zone:***	
Municipality:	BURLINGTON CITY	***UTM Reliability:***	
County:	HALTON		

Bore Hole Information

--	--
Bore Hole ID:	10146830
DP2BR:	40
Code OB:	r
Code OB Description:	Bedrock
Open Hole:	
Date Completed:	15-MAR-49
Remarks:	
Zone:	17
East 83:	592928.5
North 83:	4796182
UTMRC:	9

UTMRC Description:	unknown UTM
Location Method:	p9
Org CS:	
Elevation:	104.77
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--
Overburden and Bedrock Materials Interval	
--	--
Formation ID:	931421578
Layer:	1
General Color:	RED
Most Common Material:	CLAY
Other Materials:	GRAVEL
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	40
Formation End Depth UOM:	ft
--	--
Formation ID:	931421579
Layer:	2
General Color:	RED
Most Common Material:	SHALE
Other Materials:	
Other Materials:	
Formation Top Depth:	40
Formation End Depth:	225
Formation End Depth UOM:	ft
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	962800273
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	10695400
Casing Number:	1
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	930249823
Layer:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	46
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Casing ID:	930249824
Layer:	2
Open Hole or Material:	OPEN HOLE
Depth From:	

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

Depth To:	225
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Well Yield Testing	
--	--
Pump Test ID:	992800273
Pump Set At:	
Static Level:	22
Final Level After Pumping:	
Recommended Pump Depth:	
Pumping Rate:	
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	1
Pumping Duration HR:	
Pumping Duration MIN:	
Flowing:	N
--	--
Water Details	
--	--
Water ID:	933601498
Layer:	1
Kind Code:	2
Kind:	SALTY
Water Found Depth:	40
Water Found Depth UOM:	ft
--	--
--	--

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16 | **1 of 1** | **W/200.8** | **103.9** | **PARTS 2,5,7,8,9 & 10 OF LOT 6, CONCESSION 1 BURLINGTON ON** | **EHS**

Postal Code:	
City:	
Address2:	
Address1:	
Provstate:	
Order No.:	20090902017
Addit. Info Ordered:	
Report Date:	9/8/2009
Report Type:	Custom Report
Search Radius (km):	0.25

---

17 | **1 of 1** | **NNW/215.8** | **105.3** | **Burlington ON** | **WWIS**

Well ID:	7141517	**Lot:**	
Construction Date:		**Concession:**	
Primary Water Use:	Monitoring	**Concession Name:**	
Sec. Water Use:		**Easting NAD83:**	
Final Well Status:	Test Hole	**Northing NAD83:**	
Specific Capacity:		**Zone:**	
Municipality:	BURLINGTON CITY	**UTM Reliability:**	
County:	HALTON		

Bore Hole Information	
--	--
Bore Hole ID:	1002949870

DP2BR:	
Code OB:	
Code OB Description:	
Open Hole:	
Date Completed:	05-OCT-09
Remarks:	
Zone:	17
East 83:	592939
North 83:	4796217
UTMRC:	4
UTMRC Description:	margin of error : 30 m - 100 m
Location Method:	wwr
Org CS:	UTM83
Elevation:	105
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--
Overburden and Bedrock Materials Interval	
--	--
Formation ID:	1003285006
Layer:	1
General Color:	BROWN
Most Common Material:	FILL
Other Materials:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	1.5
Formation End Depth UOM:	m
--	--
Formation ID:	1003285007
Layer:	2
General Color:	BROWN
Most Common Material:	CLAY
Other Materials:	SILT
Other Materials:	
Formation Top Depth:	1.5
Formation End Depth:	8.2
Formation End Depth UOM:	m
--	--
Annular Space/Abandonment Sealing Record	
--	--
Plug ID:	1003285009
Layer:	1
Plug From:	0
Plug To:	.4
Plug Depth UOM:	m
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	1003285013
Method Construction Code:	6
Method Construction:	Boring
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	1003285005

Casing Number:	0
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	1003285010
Layer:	1
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	6
Casing Diameter:	5.2
Casing Diameter UOM:	cm
Casing Depth UOM:	m
--	--
--	--
Construction Record - Screen	
--	--
Screen ID:	1003285011
Layer:	1
Slot:	10
Screen Top Depth:	
Screen End Depth:	
Screen Material:	5
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	6
--	--
Hole Diameter	
--	--
Hole ID:	1003285008
Diameter:	12.5
Depth From:	0
Depth To:	8.2
Hole Depth UOM:	m
Hole Diameter UOM:	cm
--	--
--	--

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
18	*1 of 10*	*SW/216.8*	*102.9*	***ETRATECH DESIGNS INC.*** ***1074 COOKE BOULEVARD*** ***BURLINGTON CITY ON L7T 4A8***	*CA*

Certificate #:	8-3194-96-
Application Year:	96
Issue Date:	12/12/1997
Approval Type:	Industrial air
Status:	Underwent 1st revision in 97
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	VENT FOR SOLDERING PROCESS
Contaminants:	Lead, Tin, Antimony, Isopropyl Alcohol, Toluene(Pentyl Methane)(Methyl Benzene), Ethylene Glycol
Emission Control:	No Controls

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
18	*2 of 10*	*SW/216.8*	*102.9*	***ETRATECH DESIGNS INC.*** ***1074 COOKE BOULEVARD*** ***BURLINGTON CITY ON L7T 4A8***	*CA*

Certificate #:	8-3335-93-
Application Year:	93

Issue Date: 7/14/1993
Approval Type: Industrial air
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description: RELOCATION OF (2) EXHAUST SYSTEMS
Contaminants: Tin, Lead, Isopropyl Alcohol, Ethyl-3-Ethoxy Propionate
Emission Control: Mist Eliminator,

---

18 | 3 of 10 | SW/216.8 | 102.9 | **Etratech Designs Inc**
1074 Cooke Boulevard
City of Burlington ON L7T 4A8 | EBR

Year: 1996
Notice Date:
EBR Registry No.: IA6E0609
Ministry Ref. No.:
Notice Type: Instrument
Instrument Type: EPA s. 9 - Approval for discharge into the natural environment other than water (i.e. Air)
Proposal Date: 4/24/96
Location: City of Burlington
Proponent Address: Etratech Designs Inc.1074 Cooke Boulevard,Burlington, Ontario, L7T 4A8

---

18 | 4 of 10 | SW/216.8 | 102.9 | **ETRATECH MANUFACTURING INC.**
1074 COOKE BOULEVARD
BURLINGTON ON L7T 4A8 | GEN

PO Box Num:
Status:
Country:
Generator #: ON1622301
Approval Yrs: 93,94,95,96,97,98,99,00,01
SIC Code: 3352
SIC Description: ELECT. PARTS & COMP.

--- Details ---
Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES
+
Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS
+
Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS
+
Waste Code: 232
Waste Description: POLYMERIC RESINS
+
Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

---

18 | 5 of 10 | SW/216.8 | 102.9 | **ECLIPSE COLOUR ONTARIO LTD.**
1074 COOKE BLVD
BURLINGTON ON L7T 4A8 | GEN

PO Box Num:
Status:
Country:
Generator #: ON2634400

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

Approval Yrs: 01
SIC Code: 2821
SIC Description: PLATEMAKING, ETC.

--- Details ---
Waste Code: 264
Waste Description: PHOTOPROCESSING WASTES
+
Waste Code: 265
Waste Description: GRAPHIC ART WASTES

---

18 ***6 of 10*** ***SW/216.8*** ***102.9*** ***Townmedia, Laurel Oak***
1074 Cooke Blvd
Burlington ON L7T 4A8 ***SCT***

Established: 1977
Plant Size (ft²):
Employment: 25

--- Details ---
Description: Periodical Publishers
SIC/NAICS Code: 511120

---

18 ***7 of 10*** ***SW/216.8*** ***102.9*** ***Ontario Golf***
1074 Cooke Blvd
Burlington ON L7T 4A8 ***SCT***

Established: 01-JUL-00
Plant Size (ft²): 4000
Employment:

--- Details ---
Description: Periodical Publishers
SIC/NAICS Code: 511120

---

18 ***8 of 10*** ***SW/216.8*** ***102.9*** ***Eclipse Colour Ltd.***
1074 Cooke Blvd
Burlington ON L7T 4A8 ***SCT***

Established: 1993
Plant Size (ft²):
Employment: 15

--- Details ---
Description: Support Activities for Printing
SIC/NAICS Code: 323120

---

18 ***9 of 10*** ***SW/216.8*** ***102.9*** ***ETRATECH DESIGN INC.***
1074 COOKE BLVD
BURLINGTON ON L7T 4A8 ***SCT***

Established: 1989
Plant Size (ft²): 0
Employment: 150

--- Details ---
Description: SEMICONDUCTORS AND RELATED DEVICES
SIC/NAICS Code: 3674
+
Description: ELECTRONIC COILS, TRANSFORMERS, AND OTHER INDUCTORS
SIC/NAICS Code: 3677
+
Description: ELECTRONIC COMPONENTS, NOT ELSEWHERE CLASSIFIED

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
SIC/NAICS Code:		3679			
18	10 of 10	SW/216.8	102.9	Town Media 1074 Cooke Blvd Burlington ON L7T 4A8	SCT
Established:					
Plant Size (ft²):					
Employment:					
--- Details ---					
Description:		Periodical Publishers			
SIC/NAICS Code:		511120			
19	1 of 2	SSW/220.2	100.9	CATEGORY 5 IMAGING 1062 COOKE BLVD. BURLINGTON ON	GEN
PO Box Num:					
Status:					
Country:					
Generator #:		ON8332190			
Approval Yrs:		2013			
SIC Code:		323119			
SIC Description:		OTHER PRINTING			
--- Details ---					
Waste Code:		145			
Waste Description:		PAINT/PIGMENT/COATING RESIDUES			
19	2 of 2	SSW/220.2	100.9	CATEGORY 5 IMAGING 1062 COOKE BLVD. BURLINGTON ON L7T 4A8	GEN
PO Box Num:					
Status:		Registered			
Country:		Canada			
Generator #:		ON8332190			
Approval Yrs:		As of Sep 2016			
SIC Code:					
SIC Description:					
--- Details ---					
Waste Code:		145 I			
Waste Description:		Wastes from the use of pigments, coatings and paints			
+					
Waste Code:		252 L			
Waste Description:		Waste crankcase oils and lubricants			
20	1 of 12	SSW/220.8	101.3	ETRATECH PRINTED CIRCUIT BOARDS INC. 1062 COOKE BOULEVARD BURLINGTON CITY ON L7T 4A8	CA
Certificate #:		8-3515-97-			
Application Year:		97			
Issue Date:		1/6/1998			
Approval Type:		Industrial air			
Status:					
Application Type:					
Client Name:					
Client Address:					
Client City:					
Client Postal Code:					

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

Project Description: BAG FILTER FOR DRILLING/BOARD PREP.PROC.
Contaminants: Suspended Particulate Matter
Emission Control: Baghouse (Incl Vent Fil.)

---

20 | **2 of 12** | **SSW/220.8** | **101.3** | **Category 5 Imaging Ltd.**
1062 Cooke Blvd
Burlington ON L7T 4A8 | **CA**

Certificate #: 3066-7P7RVU
Application Year: 2009
Issue Date: 2/26/2009
Approval Type: Air
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

---

20 | **3 of 12** | **SSW/220.8** | **101.3** | **Etratech Printed Circuit Boards Inc**
1062 Cooke Boulevard
City of Burlington ON L7T 4A8 | **EBR**

Year: 1997
Notice Date:
EBR Registry No.: IA7E1724
Ministry Ref. No.:
Notice Type: Instrument
Instrument Type: EPA s. 9 - Approval for discharge into the natural environment other than water (i.e. Air)
Proposal Date: 11/25/97
Location: City of Burlington
Proponent Address: Etratech Printed Circuit Boards Inc.1047 Cooke Boulevard,Burlington,, Ontario, L7T 4A8

---

20 | **4 of 12** | **SSW/220.8** | **101.3** | **Category 5 Imaging Ltd.**
1062 Cooke Boulevard
Burlington ON L7T 4A8 | **EBR**

Year: 2007
Notice Date:
EBR Registry No.: 010-0961
Ministry Ref. No.: 7796-743LL4
Notice Type: Instrument Proposal
Instrument Type: Approval for discharge into the natural environment other than water (i.e. Air) - EPA s. 9
Proposal Date:
Location: 1062 Cooke Boulevard Burlington Regional Municipality of Halton L7T 4A8
Proponent Address: 1062 Cooke Boulevard Burlington Ontario Canada L7T 4A8

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20 | **5 of 12** | **SSW/220.8** | **101.3** | **1062 Cooke Blvd**
Burlington ON L7T 4A8 | **EHS**

Postal Code:
City:
Address2:
Address1:
Provstate:
Order No.: 20061123011

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Addit. Info Ordered:					
Report Date:		12/1/2006			
Report Type:		Basic Report			
Search Radius (km):		0.25			
20	6 of 12	SSW/220.8	101.3	CATEGORY 5 IMAGING 1062 COOKE BLVD. BURLINGTON ON L7T 4A8	GEN
PO Box Num:					
Status:					
Country:					
Generator #:		ON8332190			
Approval Yrs:		2009			
SIC Code:		323119			
SIC Description:		Other Printing			
--- Details ---					
Waste Code:		145			
Waste Description:		PAINT/PIGMENT/COATING RESIDUES			
20	7 of 12	SSW/220.8	101.3	CATEGORY 5 IMAGING 1062 COOKE BLVD. BURLINGTON ON L7T 4A8	GEN
PO Box Num:					
Status:					
Country:					
Generator #:		ON8332190			
Approval Yrs:		As of May 2015			
SIC Code:					
SIC Description:					
--- Details ---					
Waste Code:		145			
Waste Description:		Wastes from the use of pigments, coatings and paints			
+					
Waste Code:		252			
Waste Description:		Waste crankcase oils and lubricants			
20	8 of 12	SSW/220.8	101.3	CATEGORY 5 IMAGING 1062 COOKE BLVD. BURLINGTON ON L7T 4A8	GEN
PO Box Num:					
Status:					
Country:					
Generator #:		ON8332190			
Approval Yrs:		2010			
SIC Code:		323119			
SIC Description:		Other Printing			
--- Details ---					
Waste Code:		145			
Waste Description:		PAINT/PIGMENT/COATING RESIDUES			
20	9 of 12	SSW/220.8	101.3	CATEGORY 5 IMAGING 1062 COOKE BLVD. BURLINGTON ON L7T 4A8	GEN
PO Box Num:					
Status:					

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

Country:
Generator #: ON8332190
Approval Yrs: 2012
SIC Code: 323119
SIC Description: Other Printing

--- Details ---
Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

20	10 of 12	SSW/220.8	101.3	CATEGORY 5 IMAGING 1062 COOKE BLVD. BURLINGTON ON L7T 4A8	GEN

PO Box Num:
Status:
Country:
Generator #: ON8332190
Approval Yrs: 2011
SIC Code: 323119
SIC Description: Other Printing

--- Details ---
Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

20	11 of 12	SSW/220.8	101.3	CATEGORY 5 IMAGING 1062 COOKE BLVD. BURLINGTON ON L7T 4A8	GEN

PO Box Num:
Status:
Country:
Generator #: ON8332190
Approval Yrs: 07,08
SIC Code: 323119
SIC Description: Other Printing

--- Details ---
Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

20	12 of 12	SSW/220.8	101.3	ETRATECH PRINTED CIRCUIT BOARDS INC. 1062 COOKE BOULEVARD BURLINGTON ON L7T 4A8	GEN

PO Box Num:
Status:
Country:
Generator #: ON1622302
Approval Yrs: 97,98,99,00,01
SIC Code: 3352
SIC Description: ELECT. PARTS & COMP.

--- Details ---
Waste Code: 112
Waste Description: ACID WASTE - HEAVY METALS
+
Waste Code: 121
Waste Description: ALKALINE WASTES - HEAVY METALS
+
Waste Code: 131
Waste Description: NEUTRALIZED WASTES - HEAVY METALS
+

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

Waste Code: 132
Waste Description: NEUTRALIZED WASTES - OTHER METALS
+
Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS
+
Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS
+
Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

21	1 of 2	SSW/225.5	99.8	INVESTIGATIVE SCIENCE INC. 1050 COOKE BLVD, UNIT 2 BURLINGTON ON	GEN

PO Box Num:
Status:
Country:
Generator #: ON2335900
Approval Yrs: 2013
SIC Code: 541690, 541380
SIC Description: OTHER SCIENTIFIC AND TECHNICAL CONSULTING SERVICES, TESTING LABORATORIES

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

21	2 of 2	SSW/225.5	99.8	INVESTIGATIVE SCIENCE INC. 1050 COOKE BLVD, UNIT 2 BURLINGTON ON L7T 4A8	GEN

PO Box Num:
Status: Registered
Country: Canada
Generator #: ON2335900
Approval Yrs: As of Sep 2016
SIC Code:
SIC Description:

--- Details ---
Waste Code: 241 H
Waste Description: Halogenated solvents and residues

22	1 of 1	E/226.8	101.8	BURLINGTON CITY OLD ORCHARD RD/BEDFORD AVE. BURLINGTON CITY ON	CA

Certificate #: 3-0250-97-
Application Year: 97
Issue Date: 4/25/1997
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
23	1 of 9	SSW/242.0	100.5	INVESTIGATIVE SCIENCE INC. 1050 COOKE BLVD, UNIT 2 BURLINGTON ON L7T 4A8	GEN

PO Box Num:
Status:
Country:
Generator #: ON2335900
Approval Yrs: As of May 2015
SIC Code:
SIC Description:

--- Details ---
Waste Code: 241
Waste Description: Halogenated solvents and residues

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
23	2 of 9	SSW/242.0	100.5	INVESTIGATIVE SCIENCE INC. 1050 COOKE BLVD, UNIT 2 BURLINGTON ON	GEN

PO Box Num:
Status:
Country:
Generator #: ON2335900
Approval Yrs: 2009
SIC Code: 541690, 541380
SIC Description: Other Scientific and Technical Consulting Services, Testing Laboratories

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

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
23	3 of 9	SSW/242.0	100.5	INVESTIGATIVE SCIENCE INC. 1050 COOKE BLVD, UNIT 2 BURLINGTON ON	GEN

PO Box Num:
Status:
Country:
Generator #: ON2335900
Approval Yrs: 2010
SIC Code: 541690, 541380
SIC Description: Other Scientific and Technical Consulting Services, Testing Laboratories

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

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
23	4 of 9	SSW/242.0	100.5	INVESTIGATIVE SCIENCE INC. 1050 COOKE BLVD, UNIT 2 BURLINGTON ON L7T 4A8	GEN

PO Box Num:
Status:
Country:
Generator #: ON2335900
Approval Yrs: 02,03,04,05,06,07,08
SIC Code:
SIC Description:

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

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
23	5 of 9	SSW/242.0	100.5	INVESTIGATIVE SCIENCE INC. 1050 COOKE BOULEVARD, UNIT 2 BURLINGTON ON L7T 4A8	GEN

PO Box Num:
Status:
Country:
Generator #: ON2335900
Approval Yrs: 97,98,99,00,01
SIC Code: 9999
SIC Description: OTHER SERVICES

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

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
23	6 of 9	SSW/242.0	100.5	INVESTIGATIVE SCIENCE INC. 1050 COOKE BLVD, UNIT 2 BURLINGTON ON L7T 4A8	GEN

PO Box Num:
Status:
Country:
Generator #: ON2335900
Approval Yrs: 2012
SIC Code: 541690, 541380
SIC Description: Other Scientific and Technical Consulting Services, Testing Laboratories

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

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
23	7 of 9	SSW/242.0	100.5	INVESTIGATIVE SCIENCE INC. 1050 COOKE BLVD, UNIT 2 BURLINGTON ON	GEN

PO Box Num:
Status:
Country:
Generator #: ON2335900
Approval Yrs: 2011
SIC Code: 541690, 541380
SIC Description: Other Scientific and Technical Consulting Services, Testing Laboratories

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

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
23	8 of 9	SSW/242.0	100.5	Primary Fluid Systems Inc. 1050 Cooke Blvd Unit 3-4 Burlington ON L7T 4A8	SCT

Established: 01-AUG-91
Plant Size (ft²): 7000
Employment:

--- Details ---
Description: Metal Valve Manufacturing
SIC/NAICS Code: 332910
+
Description: Industrial Machinery, Equipment and Supplies Wholesaler-Distributors
SIC/NAICS Code: 417230
+

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

Description: All Other Plastic Product Manufacturing
SIC/NAICS Code: 326198
+
Description: Metal Valve Manufacturing
SIC/NAICS Code: 332910
+
Description: Glass Product Manufacturing from Purchased Glass
SIC/NAICS Code: 327215

---

23 | **9 of 9** | **SSW/242.0** | **100.5** | **BHC CABLE ASSEMBLIES INC.**
1050 Cooke Blvd Unit 3
Burlington ON L7T 4A8 | **SCT**

Established: 0000
Plant Size (ft²): 0
Employment: 9

--- Details ---
Description: Semiconductor and Other Electronic Component Manufacturing
SIC/NAICS Code: 334410

---

24 | **1 of 1** | **SSE/242.4** | **102.6** | **BURLINGTON ON** | **WWIS**

Well ID: 2809957
Construction Date:
Primary Water Use:
Sec. Water Use:
Final Well Status: Not A Well
Specific Capacity:
Municipality: BURLINGTON CITY
County: HALTON

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

Bore Hole Information
-- --
Bore Hole ID: 11105806
DP2BR:
Code OB: o
Code OB Description: Overburden
Open Hole:
Date Completed: 18-MAY-04
Remarks:
Zone: 17
East 83: 593196
North 83: 4795761
UTMRC: 5
UTMRC Description: margin of error : 100 m - 300 m
Location Method: wwr
Org CS: UTM83
Elevation: 98.98
Elevrc:
Elevrc Description:
Location Source Date:
Source Revision Comment:
Improvement Location Source:
Improvement Location Method:
Supplier Comment:
Spatial Status:
-- --
Overburden and Bedrock Materials Interval
-- --
Formation ID: 932958067
Layer: 1
General Color: RED

Most Common Material:	FILL
Other Materials:	SAND
Other Materials:	FILL
Formation Top Depth:	0
Formation End Depth:	7.6
Formation End Depth UOM:	m
--	--
Formation ID:	932958068
Layer:	2
General Color:	BROWN
Most Common Material:	SAND
Other Materials:	FRACTURED
Other Materials:	
Formation Top Depth:	7.6
Formation End Depth:	10.7
Formation End Depth UOM:	m
--	--
Annular Space/Abandonment Sealing Record	
--	--
Plug ID:	933249700
Layer:	1
Plug From:	8.5
Plug To:	7.5
Plug Depth UOM:	m
--	--
Plug ID:	933249701
Layer:	2
Plug From:	0
Plug To:	1
Plug Depth UOM:	m
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	962809957
Method Construction Code:	6
Method Construction:	Boring
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	11111389
Casing Number:	1
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	930838613
Layer:	1
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	9.1
Casing Diameter:	5
Casing Diameter UOM:	cm
Casing Depth UOM:	m
--	--
--	--
Construction Record - Screen	
--	--
Screen ID:	933408058
Layer:	1
Slot:	110
Screen Top Depth:	9.1
Screen End Depth:	10.7

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

Screen Material:	5
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	64
--	--
Hole Diameter	
--	--
Hole ID:	11111388
Diameter:	21
Depth From:	0
Depth To:	10.7
Hole Depth UOM:	m
Hole Diameter UOM:	cm
--	--
--	--

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
25	1 of 1	SE/245.7	102.1	Eighth Empire Inc. 91 Plains Road East. Unit 2c Burlington ON L7T 2C2	GEN

PO Box Num:	
Status:	Registered
Country:	Canada
Generator #:	ON5858948
Approval Yrs:	As of Sep 2016
SIC Code:	
SIC Description:	
--- Details ---	
Waste Code:	312 P
Waste Description:	Pathological wastes

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
26	1 of 1	ESE/246.7	101.5	ABBEY STAINED GLASS 115 Plains Rd E Burlington ON L7T 2C2	SCT

Established:	0000
Plant Size (ft²):	0
Employment:	0
--- Details ---	
Description:	Glass Product Manufacturing from Purchased Glass
SIC/NAICS Code:	327215

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
27	1 of 3	SSE/249.9	102.9	71 Plains Rd E Burlington ON L7T 2B8	EHS

Postal Code:	
City:	
Address2:	
Address1:	
Provstate:	
Order No.:	20040401001
Addit. Info Ordered:	
Report Date:	4/2/04
Report Type:	Site Report
Search Radius (km):	0.25

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
27	2 of 3	SSE/249.9	102.9	Budget Car and Truck Rentals 71 Plains Road East Burlington ON L7T 2B8	GEN

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

PO Box Num:
Status:
Country:
Generator #: ON3194901
Approval Yrs: 03,04
SIC Code: 447190
SIC Description: Other Gasoline Stations

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
27	3 of 3	SSE/249.9	102.9	BURLINGTON HYDRO 71 PLAINS RD EAST TRANSFORMER BURLINGTON CITY ON L7T 2B8	SPL

Ref NO: 238085
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: OTHER TRANSPORTATION ACCIDENT
Incident Dt: 9/3/2002
Incident Reason: ERROR
Incident Summary: BURLINGTON HYDRO--16 GALL-ONS OF TRANSFORMER OIL (<50 PPM) TO GROUND
MOE Reported Dt: 9/3/2002
Environmental Impact: POSSIBLE
Nature of Impact: Soil contamination
Receiving Medium: LAND
SAC Action Class:
Sector Source Type:
Site Municipality: 14101

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
28	1 of 2	SE/251.8	102.0	PETRO-PARTNERS 91 PLAINS RD E BURLINGTON ON L7T 2C2	RST

Code: 924800
Facility: Oils-Fuel
Description:
List Name:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
28	2 of 2	SE/251.8	102.0	Abbey Stained Glass 91 Plains Rd E Burlington ON L7T 2C2	SCT

Established: 01-JUL-83
Plant Size (ft²):
Employment:

--- Details ---
Description: Glass Product Manufacturing from Purchased Glass
SIC/NAICS Code: 327215
+
Description: Glass Product Manufacturing from Purchased Glass
SIC/NAICS Code: 327215

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
29	1 of 1	SW/253.9	104.4	BHC Cable Assemblies Inc. 2 Masonry Crt Burlington ON L7T 4A8	SCT

Established: 01-JAN-96
Plant Size (ft²): 12000
Employment:

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

--- Details ---

Description:	Semiconductor and Other Electronic Component Manufacturing
SIC/NAICS Code:	334410
+	
Description:	Semiconductor and Other Electronic Component Manufacturing
SIC/NAICS Code:	334410

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
30	1 of 1	SW/257.1	104.7	2 Masonry Crt Burlington ON L7T4A8	EHS

Postal Code:	
City:	
Address2:	
Address1:	
Provstate:	
Order No.:	20131203005
Addit. Info Ordered:	
Report Date:	09-DEC-13
Report Type:	Custom Report
Search Radius (km):	.25

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
31	1 of 1	SE/257.5	101.8	109 PLAINS ROAD EAST BURLINGTON ON L7T 2C2	HINC

External File Num:	FS INC 0703-01041
Date of Occurrence:	2/9/2007
Fuel Occurrence Type:	CO Release
Fuel Type Involved:	Fuel Oil
Status Desc:	Completed - Causal Analysis(End)
Job Type Desc:	Incident/Near-Miss Occurrence (FS)
Oper. Type Involved:	Multi-unit Residential
Service Interruptions:	No
Property Damage:	No
Fuel Life Cycle Stage:	Utilization
Root Cause:	Root Cause: Equipment/Material/Component:N/A Procedures:N/A Maintenance:Yes Design:Yes Training:Yes Management:Yes Human Factors:Y
Reported Details:	
Fuel Category:	Unknown
Occurrence Type:	Near-miss
Affiliation:	Safety Authorities (MOL, ESA, Insurers, etc.)
County Name:	Halton
Approx. Quant. Rel:	
Nearby body of water:	
Enter Drainage Syst.:	
Approx. Quant. Unit:	
Environmental Impact:	

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
32	1 of 1	SE/258.2	101.8	PLAINS ROAD ANIMAL HOSPITAL 105 PLAINS ROAD EAST BURLINGTON ON L7T 2C2	GEN

PO Box Num:	
Status:	
Country:	
Generator #:	ON5757660
Approval Yrs:	02,03,04
SIC Code:	
SIC Description:	

--- Details ---

Waste Code:	264
Waste Description:	PHOTOPROCESSING WASTES

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
33	1 of 2	S/261.7	100.1	Lextoner.com 1038 Cooke Blvd Unit 2 Burlington ON L7T 4A8	SCT

Established: 9/1/1995
Plant Size (ft²):
Employment:

--- Details ---
Description: All Other Miscellaneous Chemical Product Manufacturing
SIC/NAICS Code: 325999
+
Description: All Other Miscellaneous Chemical Product Manufacturing
SIC/NAICS Code: 325999

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
33	2 of 2	S/261.7	100.1	O'Dell Associates Inc. 1038 Cooke Blvd Unit 3 Burlington ON L7T 4A8	SCT

Established: 01-SEP-87
Plant Size (ft²): 3500
Employment:

--- Details ---
Description: Wholesale Trade Agents and Brokers
SIC/NAICS Code: 419120
+
Description: Wholesale Trade Agents and Brokers
SIC/NAICS Code: 419120

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
34	1 of 2	SSW/275.2	105.0	1063 WATERDOWN RD, BURLINGTON ON	PINC

Incident ID:
Tank Status: RC Established
Attribute Category: FS-Perform P-line Inc Invest
Task Number: 5816608
Type: FS-Pipeline Incident
Incident Number: 1696420
Status Code: Pipeline Damage Reason Est
Summary: 1063 WATERDOWN RD, BURLINGTON - PIPELINE HIT - 1/2"
Spills Action Centre:
Reported By: John Blakley - UNION GAS
Affiliation:
Method Details: E-mail
Fuel Category: Natural Gas
Fuel Occurrence Type:
Date of Occurrence:
Occurrence Start Date: 2015/08/06
Health Impact:
Occurrence Desc:
Environment Impact:
Property Damage: Yes
Service Interupt:
Fuel Type:
Enforce Policy: Yes
Operation Type:
Damage Reason: Excavation practices not sufficient
Public Relation:
Pipeline System:
Pipeline Type:
Depth:
Pipe Material:

Regualtor Location:
PSIG:
Regulator Type:
Notes:

---

34 **2 of 2** **SSW/275.2** **105.0** **Union Gas Limited**
1063 Waterdown Rd
Burlington ON **SPL**

Ref NO:	2525-9Z5LH9
Contaminant Code:	35
Contaminant Name:	NATURAL GAS (METHANE)
Contaminant Quantity:	0 other - see incident description
Incident Cause:	
Incident Dt:	8/6/2015
Incident Reason:	Operator/Human Error
Incident Summary:	TSSA- 0.5 inch line strike, made safe
MOE Reported Dt:	8/6/2015
Environmental Impact:	
Nature of Impact:	
Receiving Medium:	
SAC Action Class:	TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill
Sector Source Type:	Miscellaneous Industrial
Site Municipality:	Burlington

---

35 **1 of 1** **S/299.1** **99.9**
Burlington ON **WWIS**

Well ID:	7248588	**Lot:**	
Construction Date:		**Concession:**	
Primary Water Use:	Monitoring	**Concession Name:**	
Sec. Water Use:		**Easting NAD83:**	
Final Well Status:	Observation Wells	**Northing NAD83:**	
Specific Capacity:		**Zone:**	
Municipality:	BURLINGTON CITY	**UTM Reliability:**	
County:	HALTON		

Bore Hole Information

--	--
Bore Hole ID:	1005694573
DP2BR:	
Code OB:	
Code OB Description:	
Open Hole:	
Date Completed:	18-AUG-15
Remarks:	
Zone:	17
East 83:	593098
North 83:	4795664
UTMRC:	4
UTMRC Description:	margin of error : 30 m - 100 m
Location Method:	wwr
Org CS:	UTM83
Elevation:	
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--

Overburden and Bedrock Materials Interval	
--	--
Formation ID:	1005719755
Layer:	1
General Color:	RED
Most Common Material:	MEDIUM SAND
Other Materials:	
Other Materials:	LOOSE
Formation Top Depth:	0
Formation End Depth:	9.2
Formation End Depth UOM:	m
--	--
Annular Space/Abandonment Sealing Record	
--	--
Plug ID:	1005719762
Layer:	1
Plug From:	0
Plug To:	5.9
Plug Depth UOM:	m
--	--
Plug ID:	1005719763
Layer:	2
Plug From:	5.9
Plug To:	9.2
Plug Depth UOM:	m
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	1005719761
Method Construction Code:	6
Method Construction:	Boring
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	1005719754
Casing Number:	0
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	1005719758
Layer:	1
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	6.2
Casing Diameter:	5.2
Casing Diameter UOM:	cm
Casing Depth UOM:	m
--	--
--	--
Construction Record - Screen	
--	--
Screen ID:	1005719759
Layer:	1
Slot:	10
Screen Top Depth:	6.2
Screen End Depth:	9.2
Screen Material:	5
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	6.4

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

--	--
Hole Diameter	
--	--
Hole ID:	1005719756
Diameter:	18
Depth From:	0
Depth To:	9.2
Hole Depth UOM:	m
Hole Diameter UOM:	cm
--	--
--	--

---

36 | **1 of 2** | **SSW/299.9** | **103.9** | **1045 WATERDOWN RD, BURLINGTON ON** | **PINC**

Incident ID:	
Tank Status:	RC Established
Attribute Category:	FS-Perform P-line Inc Invest
Task Number:	5291002
Type:	FS-Pipeline Incident
Incident Number:	1539128
Status Code:	Pipeline Damage Reason Est
Summary:	1045 WATERDOWN RD, BURLINGTON - PIPELINE HIT - 1/2"
Spills Action Centre:	
Reported By:	John Blakely - UNION GAS
Affiliation:	
Method Details:	E-mail
Fuel Category:	Natural Gas
Fuel Occurrence Type:	
Date of Occurrence:	
Occurrence Start Date:	2014/12/10
Health Impact:	
Occurrence Desc:	
Environment Impact:	
Property Damage:	Yes
Service Interupt:	
Fuel Type:	
Enforce Policy:	Yes
Operation Type:	
Damage Reason:	Excavation practices not sufficient
Public Relation:	
Pipeline System:	
Pipeline Type:	
Depth:	
Pipe Material:	
Regualtor Location:	
PSIG:	
Regulator Type:	
Notes:	

---

36 | **2 of 2** | **SSW/299.9** | **103.9** | **Enbridge Gas Distribution Inc.**
1045 Waterdown Rd
Burlington ON | **SPL**

Ref NO:	7425-9RNNDB
Contaminant Code:	35
Contaminant Name:	NATURAL GAS (METHANE)
Contaminant Quantity:	0 other - see incident description
Incident Cause:	Leak/Break
Incident Dt:	2014/12/10
Incident Reason:	Operator/Human Error
Incident Summary:	TSSA: 1/2" plastic gasline
MOE Reported Dt:	2014/12/10

Environmental Impact:	
Nature of Impact:	Air
Receiving Medium:	
SAC Action Class:	TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill
Sector Source Type:	Other
Site Municipality:	Burlington

Unplottable Summary

Total: 17 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	THE COOKE GROUP COOKE BUS. PARK	COOKE BLVD.	BURLINGTON CITY ON	
CA	THE COOKE GROUP INC.	COOKE BLVD.	BURLINGTON CITY ON	
CA		lot 4 and lot 5, Concession 1 & 2, SDS	Burlington ON	
CA	SAMPURAN ENTERPRISES LTD.	PLAINS RD. EAST KINGS LANDING	BURLINGTON CITY ON	
CA	IMPERIAL CITY CORP.	PLAINS RD. E.	BURLINGTON CITY ON	
CA	BURLINGTON CITY	PLAINS RD. EAST	BURLINGTON CITY ON	
CA	SAMPURAN ENTERPRISES LTD.	PLAINS RD. EAST KINGS LANDING	BURLINGTON CITY ON	
CA	FORTINO'S SUPERMARKET LTD.	PLAINS ROAD EAST	BURLINGTON CITY ON	
CA	R.M. OF HALTON ST. MATTHEWS AVE.	ST. MATTHEWS AVE/OLD WATERDOWN	BURLINGTON CITY ON	
CA	THE COOKE GROUP INC.	COOKE BLVD.	BURLINGTON CITY ON	
GEN	Brennan Paving Ltd	Waterdown Rd	Burlington ON	
PTTW	Lowville Golf Course	Lot 5	City of Burlington ON	
SCT	T C G MATERIALS LTD	PO BOX 5000 LCD 1	ON	L7R 3Y8
SCT	OMNI-STONE	RR 2	ON	L0P 1B0
SPL	CANADIAN NATIONAL RAILWAY	ALDERSHOT RAIL YARD, WEST OF QEW, NORTH OF PLAINS RD, WEST OF HWY 2 TRAIN	BURLINGTON CITY ON	
SPL	CANADIAN NATIONAL RAILWAY	CN ALDERSHOT YARD & ALONG TRAIN TRACKS FROM CONCORD UP TO BURLINGTON YARD. TRAIN	BURLINGTON CITY ON	

SPL	Petro Canada<UNOFFICIAL>	CN RAILYARD - ALDERSHOT<UNOFFICIAL>	Burlington ON

Unplottable Report

Site: ***THE COOKE GROUP COOKE BUS. PARK***
COOKE BLVD. BURLINGTON CITY ON

Database: ***CA***

Certificate #:	3-1594-88-
Application Year:	88
Issue Date:	9/2/1988
Approval Type:	Municipal sewage
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site: ***THE COOKE GROUP INC.***
COOKE BLVD. BURLINGTON CITY ON

Database: ***CA***

Certificate #:	7-1366-88-
Application Year:	88
Issue Date:	9/2/1988
Approval Type:	Municipal water
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site:
lot 4 and lot 5, Concession 1 & 2, SDS Burlington ON

Database: ***CA***

Certificate #:	8780-4LGQG4
Application Year:	00
Issue Date:	6/21/00
Approval Type:	Municipal & Private sewage
Status:	Approved
Application Type:	New Certificate of Approval
Client Name:	Corporation Of The City Of Burlington
Client Address:	P.O. Box 5013, 426 Brant Street
Client City:	Burlington
Client Postal Code:	L7R 3Z6
Project Description:	Extension of existing 965mm x 1625mm storm sewer from existing outlet to proposed culvert, and construction of new storm sewer and catchbasins along Upper Middle Road (from Appleby Line to Orchard Road).
Contaminants:	
Emission Control:	

Site: ***SAMPURAN ENTERPRISES LTD.***
PLAINS RD. EAST KINGS LANDING BURLINGTON CITY ON

Database: ***CA***

Certificate #: 3-2066-87-
Application Year: 87
Issue Date: 11/20/1987
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***IMPERIAL CITY CORP.***
PLAINS RD. E. BURLINGTON CITY ON

Database: ***CA***

Certificate #: 7-1379-89-
Application Year: 89
Issue Date: 8/14/1989
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***BURLINGTON CITY***
PLAINS RD. EAST BURLINGTON CITY ON

Database: ***CA***

Certificate #: 3-1430-92-
Application Year: 92
Issue Date: 11/2/1992
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***SAMPURAN ENTERPRISES LTD.***
PLAINS RD. EAST KINGS LANDING BURLINGTON CITY ON

Database: ***CA***

Certificate #: 7-1744-87-
Application Year: 87
Issue Date: 11/20/1987
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:

Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***FORTINO'S SUPERMARKET LTD.***
PLAINS ROAD EAST BURLINGTON CITY ON

Database: ***CA***

Certificate #: 8-3222-96-
Application Year: 96
Issue Date: 5/7/1996
Approval Type: Industrial air
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description: COMMERCIAL KITCHEN EXHAUST HOOD
Contaminants: Odour/Fumes
Emission Control: No Controls

Site: ***R.M. OF HALTON ST. MATTHEWS AVE.***
ST. MATTHEWS AVE/OLD WATERDOWN BURLINGTON CITY ON

Database: ***CA***

Certificate #: 3-2042-89-
Application Year: 89
Issue Date: 10/24/1989
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***THE COOKE GROUP INC.***
COOKE BLVD. BURLINGTON CITY ON

Database: ***CA***

Certificate #: 3-1682-88-
Application Year: 88
Issue Date: 9/13/1988
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***Brennan Paving Ltd***
Waterdown Rd Burlington ON

Database: ***GEN***

PO Box Num:
Status:

Country:
Generator #: ON5498956
Approval Yrs: 2013
SIC Code: 237310
SIC Description: HIGHWAY, STREET AND BRIDGE CONSTRUCTION

--- Details ---
Waste Code: 146
Waste Description: OTHER SPECIFIED INORGANICS

Site: ***Lowville Golf Course***
Lot 5 City of Burlington ON

Database: ***PTTW***

Year: 2000
Notice Date:
EBR Registry No.: IA00E1201
Ministry Reference Number:
Notice Type: Instrument
Instrument Type: OWRA s. 34 - Permit to take water
Proposal Date: 5/3/01
Location: City of Burlington
Proponent Address: Lowville Golf Course2662 Brittania Road,Burlington, Ontario, L9T 2X6

Site: ***T C G MATERIALS LTD***
PO BOX 5000 LCD 1 ON L7R 3Y8

Database: ***SCT***

Established:
Plant Size (ft²): 0
Employment: 20

--- Details ---
Description: CONCRETE BLOCK & BRICK
SIC/NAICS Code: 3271

Site: ***OMNI-STONE***
RR 2 ON L0P 1B0

Database: ***SCT***

Established: 1979
Plant Size (ft²): 30000
Employment: 11

--- Details ---
Description: CONCRETE PRODUCTS, EXCEPT BRICK & BLOCK
SIC/NAICS Code: 3272
+
Description: CUT STONE & STONE PRODUCTS
SIC/NAICS Code: 3281

Site: ***CANADIAN NATIONAL RAILWAY***
ALDERSHOT RAIL YARD, WEST OF QEW, NORTH OF PLAINS RD, WEST OF HWY 2 TRAIN BURLINGTON CITY ON

Database: ***SPL***

Ref NO: 137367
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: DERAILMENT
Incident Dt: 2/20/1997
Incident Reason: UNKNOWN
Incident Summary: CN RAIL-DERAILMENT AND SPILL OF 20 M3 OF SODIUM CARBONATE TO RAIL.
MOE Reported Dt: 2/20/1997
Environmental Impact: POSSIBLE
Nature of Impact: Multi Media Pollution
Receiving Medium: LAND
SAC Action Class:

Sector Source Type:
Site Municipality: 14101

Site: ***CANADIAN NATIONAL RAILWAY***
CN ALDERSHOT YARD & ALONG TRAIN TRACKS FROM CONCORD UP TO BURLINGTON YARD. TRAIN BURLINGTON CITY ON

Database: ***SPL***

Ref NO: 176974
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: VALVE/FITTING LEAK OR FAILURE
Incident Dt: 1/25/2000
Incident Reason: EQUIPMENT FAILURE
Incident Summary: CANADIAN NATIONAL-DIESEL TRAIL ALONG TRACKS FROM LOCOMOTIVE RUPTURE LINE.
MOE Reported Dt: 1/25/2000
Environmental Impact: POSSIBLE
Nature of Impact: Soil contamination
Receiving Medium: LAND
SAC Action Class:
Sector Source Type:
Site Municipality: 14101

Site: ***Petro Canada<UNOFFICIAL>***
CN RAILYARD - ALDERSHOT<UNOFFICIAL> Burlington ON

Database: ***SPL***

Ref NO: 8564-65HVEG
Contaminant Code: 21
Contaminant Name: SPENT SULFURIC ACID
Contaminant Quantity: 227.5 L
Incident Cause: Tank (Above Ground) Leak
Incident Dt: 10/7/2004
Incident Reason: Equipment Failure
Incident Summary: CN- <50 gal spent sulf acid to grv,clng.
MOE Reported Dt: 10/6/2004
Environmental Impact: Possible
Nature of Impact: Other Impact(s)
Receiving Medium: Land
SAC Action Class: Spill to Land
Sector Source Type:
Site Municipality: Burlington

Appendix: Database Descriptions

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

Abandoned Aggregate Inventory: Provincial AAGR

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

Government Publication Date: Sept 2002*

Aggregate Inventory: Provincial AGR

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

Government Publication Date: Up to Sep 2016

Abandoned Mine Information System: Provincial AMIS

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

Government Publication Date: 1800-Oct 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 authoritative. The information was collected for research purposes only.

Government Publication Date: 1860s-Present

Automobile Wrecking & Supplies: Private AUWR

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

Government Publication Date: Oct 31, 2015

Borehole: Provincial BORE

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

Government Publication Date: 1875-Jul 2014

Certificates of Approval: Provincial CA

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

Government Publication Date: 1985-Oct 30, 2011*

Commercial Fuel Oil Tanks: Provincial CFOT

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

Government Publication Date: Aug 31, 2016

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: Oct 31, 2015

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-Jul 2016

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-Oct 2016

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-Jun 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: Jul 31, 2016

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-Oct 2016

Environmental Compliance Approval: Provincial ECA

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

Government Publication Date: Jul 31, 2016

Environmental Effects Monitoring: Federal EEM

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

Government Publication Date: 1992-2007*

ERIS Historical Searches: Private EHS

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

Government Publication Date: 1999-Aug 2016

Environmental Issues Inventory System: Federal EIIS

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

Government Publication Date: 1992-2001*

Emergency Management Historical Event: Provincial EMHE

The Emergency Management Historical Event data class will store the locations of historical occurrences of emergency events. Events captured will include those assigned to the Ministry of Natural Resources by Order-In-Council (OIC) under the Emergency Management and Civil Protection Act as well as events where MNR provided requested emergency response assistance. Many of these events will have involved community evacuations, significant structural loss, and/or involvement of MNR emergency response staff. These events fall into one of ten (10) type categories: Dam Failure; Drought / Low Water; Erosion; Flood; Forest Fire; Soil and Bedrock Instability; Petroleum Resource Center Event, EMO Requested Assistance, Continuity of Operations Event, Other Requested Assistance.

Government Publication Date: May 31, 2014

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: Aug 31, 2016

Federal Convictions: Federal FCON

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

Government Publication Date: 1988-Jun 2007*

Contaminated Sites on Federal Land: Federal FCS

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

Government Publication Date: June 2000-Oct 2015

Fisheries & Oceans Fuel Tanks: Federal FOFT

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

Government Publication Date: 1964-Sept 2003

Fuel Storage Tank: Provincial FST

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

Government Publication Date: Aug 31, 2016

Fuel Storage Tank - Historic: Provincial FSTH

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

Government Publication Date: Pre-Jan 2010*

Ontario Regulation 347 Waste Generators Summary: Provincial GEN

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

Government Publication Date: 1986-Sep 2016

Greenhouse Gas Emissions from Large Facilities: Federal GHG

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

Government Publication Date: 2013 - Dec 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 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: Aug 31, 2016

Landfill Inventory Management Ontario: Provincial LIMO

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

Government Publication Date: Dec 31, 2013

Canadian Mine Locations: Private MINE

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

Government Publication Date: 1998-2009*

Mineral Occurrences: Provincial MNR

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

Government Publication Date: 1846-Feb 2016

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

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

Government Publication Date: 1974-1994*

Non-Compliance Reports: Provincial NCPL

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

Government Publication Date: Dec 31, 2014

National Defense & Canadian Forces Fuel Tanks: Federal NDFT

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

Government Publication Date: Up to May 2001*

National Defense & Canadian Forces Spills: Federal NDSP

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

Government Publication Date: Mar 1999-Aug 2010

National Defence & Canadian Forces Waste Disposal Sites: Federal NDWD

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

Government Publication Date: 2001-Apr 2007*

National Energy Board Wells: Federal NEBW

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

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES): Federal NEES

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

Government Publication Date: 1974-2003*

National PCB Inventory: Federal NPCB

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

Government Publication Date: 1988-2008*

National Pollutant Release Inventory: Federal NPRI

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

Government Publication Date: Dec 31, 2014

Oil and Gas Wells: Private OGW

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

Government Publication Date: 1988-Jun 2016

Ontario Oil and Gas Wells: Provincial OOGW

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

Government Publication Date: 1800-Aug 2015

Inventory of PCB Storage Sites: Provincial OPCB

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

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

Orders: Provincial ORD

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

Government Publication Date: 1994-Oct 2016

Canadian Pulp and Paper: Private PAP

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

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

Parks Canada Fuel Storage Tanks: Federal PCFT

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

Government Publication Date: 1920-Jan 2005*

Pesticide Register: Provincial PES

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

Government Publication Date: 1988-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: Aug 31, 2016

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-Oct 2016

Ontario Regulation 347 Waste Receivers Summary: Provincial REC

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

Government Publication Date: 1986-2013

Record of Site Condition: Provincial RSC

The Record of Site Condition (RSC) is part of the Ministry of the Environment's Brownfields Environmental Site Registry. Protection from environmental cleanup orders for property owners is contingent upon documentation known as a record of site condition (RSC) being filed in the Environmental Site Registry. In order to file an RSC, the property must have been properly assessed and shown to meet the soil, sediment and groundwater standards appropriate for the use (such as residential) proposed to take place on the property. The Record of Site Condition Regulation (O. Reg. 153/04) details requirements related to site assessment and clean up.
RSCs filed after July 1, 2011 will also be included as part of the new (O.Reg. 511/09).

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

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: Oct 31, 2015

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-Jan 2016

Wastewater Discharger Registration Database: Provincial SRDS

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

Government Publication Date: 1990-2014

Anderson's Storage Tanks: Private TANK

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

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks: Federal TCFT

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

Government Publication Date: 1970-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: Aug 31, 2016

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: Jul 31, 2016

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

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

Government Publication Date: Up to Oct 1990*

Water Well Information System: Provincial WWIS

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

Government Publication Date: Jun 30, 2016

Definitions

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

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

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

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

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

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

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

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

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

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

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

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

Appendix ‘H’

1. T.S.S.A Correspondence

Ross Keiller

From: Public Information Services <publicinformationservices@tssa.org>
Sent: Wednesday, October 3, 2018 5:11 PM
To: Ross Keiller
Subject: RE: Underground Fuel Storage Tanks

Good afternoon Ross,

Thank you for your request for confirmation of public information.

I have searched the below noted addresses and I have located the following record:

Inst Number	Context		Address	City	Province	Postal Code		Inststatus
9472288	FS Facility		101 MASONRY CRT	BURLINGTON	ON	L7T 4A8		EXPIRED
10634759	FS Liquid Fuel Tank		101 MASONRY CRT	BURLINGTON	ON	L7T 4A8		EXPIRED
10634808	FS Liquid Fuel Tank		101 MASONRY CRT	BURLINGTON	ON	L7T 4A8		EXPIRED

For a further search in our archives, or for copies of documents, please complete our release of public information form found at https://www.tssa.org/en/about-tssa/release-of-public-information.aspx?_mid_=392 and email the completed form to publicinformationservices@tssa.org or through mail along with a fee of $56.50 (including HST) per location. The fee is payable with credit card (Visa or MasterCard) or with a Cheque made payable to TSSA.

Although TSSA believes the information provided pursuant to your request is accurate, please note that TSSA does not warrant this information in any way whatsoever.

Kind regards,

Sarah Quibell | Public Information Agent
Facilities
345 Carlingview Drive
Toronto, Ontario M9W 6N9
Tel: +1-877-682-8772 | Fax: +1-416-231-6183 | E-Mail: squibell@tssa.org
www.tssa.org

From: Ross Keiller <rkeiller@soilmat.ca>
Sent: October 3, 2018 3:40 PM
To: Public Information Services <publicinformationservices@tssa.org>
Subject: Underground Fuel Storage Tanks

Hi,

I am looking for any records of underground fuel storage tanks located at the following municipal addresses in Burlington, Ontario:

101 Masonry Court
121 Masonry Court
1077 Clearview Avenue
1085 Clearview Avenue
1078 St. Matthews Avenue
1082 St. Matthews Avenue
1086 St. Matthews Avenue
1090 St. Matthews Avenue

Thanks,
Ross

ROSS KEILLER
ENVIRONMENTAL TECHNICIAN
SOIL-MAT ENGINEERS & CONSULTANTS LTD.
M: 905.807.3525 TF: 800.243.1922 www.soil-mat.ca

HAMILTON: 130 Lancing Drive L8W 3A1 T: 905.318.7440 F: 905.318.7455
MILTON: PO Box 40012 Derry Heights PO L9T 7W4 T: 800.243.1922

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Appendix ‘I’

1. Qualifications of Assessor

COMPANY BACKGROUND

SOIL-MAT ENGINEERS & CONSULTANTS LTD. [SOIL-MAT ENGINEERS] is a Canadian Consulting Engineering firm owned by its senior staff. Over the past thirty years the principals of SOIL-MAT ENGINEERS have undertaken geotechnical investigations in all areas of Hamilton and surrounding area and are familiar with the distinct geology of the area and therefore well-versed with the various soil, bedrock and groundwater conditions. SOIL-MAT ENGINEERS has a staff of over twenty-five engineers and technical staff who specialize in geotechnical assignments, environmental assessments, hydrogeological investigations and construction quality control/assurance projects. The company commenced operation on June 15, 1992 and has undertaken over 5,000 projects since its inception. The firm and all professional staff are in good standing with Professional Engineers Ontario. The company has maintained a current Certificate of Authorisation since it was granted on April 28, 1992. The firm's office and laboratory facilities are located at 130 Lancing Drive in Hamilton, Ontario.

REPORT AUTHORS

Ian Shaw, P. Eng.
[Director/ Senior Professional]

Mr. Shaw has over fourteen years of experience in the geotechnical and geo-environmental fields. Mr. Shaw has supervised the geotechnical investigations for the replacement/rehabilitation of bridge/culvert structures located within the Haldimand County, numerous residential and industrial subdivision projects, slope stability assignments associated with Hamilton Conservation Authority and Conservation Halton requirements, and several high rise developments in Hamilton, Burlington, Oakville, Brantford, St. Catharines, and Niagara Falls. Mr. Shaw has also been involved in numerous hydrogeological investigations, primarily within the City of Hamilton, associated with the development of residential and commercial subdivision projects. Some of Mr. Shaw's projects have included the decommissioning of underground and above ground fuel oil storage tanks, the implementation of in-situ and ex-situ remediation programmes and numerous 'dig and dump' remediation projects.

Keith Gleadall, B.A., EA Dipl.
Vice-President [Senior Professional]

Mr. Gleadall has over fourteen years of experience in conducting Phase I, II and III Environmental Site Assessments and has successfully completed the requirements of the Associated Environmental Site Assessors of Canada and a Post Graduate Diploma in Environmental Site Assessment from Niagara College. Mr. Gleadall is responsible for undertaking numerous hydrogeological investigations, primarily within the City of Hamilton, associated with the development of residential and commercial subdivision projects, together with Phase I, II and III Environmental Site Assessments. Projects have included the decommissioning of underground and above ground fuel oil storage tanks, the implementation of in-situ and ex-situ remediation programmes, the decommissioning of a former dry cleaning facility and numerous 'dig and dump' remediation projects.