

Phase One Environmental Site Assessment

2829 Dumauiier
Avenue
Ottawa, Ontario

Prepared for:
3223701 Canada Inc.



January 8, 2021

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1. Executive Summary

Lopers & Associates (Lopers) was retained by 3223701 Canada Inc. (Brigil) to complete a Phase One Environmental Site Assessment (Phase One ESA) of the commercial property with Civic address No. 2829 Dumaaurier Avenue, Ottawa, Ontario ("Phase One Property", "Property" or "Site").

This Phase One ESA is being completed as part of due diligence requirements associated with the submission of a Development Application to the City of Ottawa Municipal Planning Department. This Phase One ESA can also be used to support the filing of a record of site condition for the Property.

The Phase One Property was unoccupied prior to the mid 1950's when it was reported that the City of Ottawa operated a waste disposal site on the north portion of the Phase One Property and adjacent lands to the north and east from approximately 1953 to 1957. The south portion of the Property was developed circa 1980, in conjunction with adjacent land to the south, with the present day commercial Dumaaurier Plaza. The north portion of the Property, which is elevated approximately 1 to 2 meters above the south portion of the Property, is landscaped. The southern portion is level and has the commercial plaza plus an asphalted area used for access or parking.

The Property is currently used for commercial purposes and is zoned for mixed use. 1248816 Ontario Inc. is the current registered owner of the Property, with a vendor take back agreement signed in 2018 for ownership to transfer to 3223701 Canada Inc. (Brigil) by July 2023 and it is understood that the intended future use is for residential purposes, with possible commercial use on the ground floor. The Phase One Property is immediately surrounded by the adjoining south portion of Dumaaurier Plaza to the south, a municipal Right-of-Way followed by Dumaaurier Park to the east, by institutional properties to the north, and by residential properties to the west.

The presence of a former waste disposal site on the north portion of the Phase One Property is a significant PCA (PCA #1) which represents an APEC for the Property. Given that previous environmental reports and investigations have documented petroleum hydrocarbon (PHC) groundwater contamination and that waste fill material has been observed in boreholes on the north portion of the Property, the Property is not in compliance with the Soil, Groundwater and Sediment Standards for use under Part XV.1 of the Environmental Protection Act, which are also for consideration of O.Reg. 153/04.

The contaminants of potential concern (CPCs) associated with the former waste disposal site are volatile organic compounds (VOCs) (for groundwater only), metals, polycyclic aromatic

hydrocarbons (PAHs) and PHCs/BTEXs. An investigation of the soil and groundwater quality with respect to these CPCs at the Property was completed by others in 2019.

One active automotive service garage and a historical retail fuel outlet are located at properties in the Phase One Study Area and constitute PCA#2 and PCA#3, respectively. The PCAs at properties in the Phase One Study Area are located significant distances and/or at cross-gradient orientations with respect to the Phase One Property and are not considered to represent APECs for the Phase One Property.

The PCAs identified at the Phase One Property and properties in the Phase One Study Area and APECs at the Phase One Property are included in Table 1 below.

Table 1: Potentially Contaminating Activities and Areas of Potential Environmental Concern

PCA Report Reference No.	Potentially Contaminating Activity	Location	APEC Report Reference No.
1	Former Waste Disposal Site (O.Reg. 153/04 PCA Item 58: Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners)	North portion of the Phase One Property and neighbouring lands to the north and east.	APEC #1
2	Active automotive service garage (O.Reg. 153/04 PCA Item 52: Storage, Maintenance, Fuelling and Repair of Equipment, Vehicles, and Material used to Maintain Transportation Systems)	1037 Pinecrest Road (commercial property, located approximately 200 m east)	Not Applicable
3	Former retail fuel outlet (O.Reg. 153/04 PCA Item 28: Gasoline and Associated Products Storage in Fixed Tanks)	1037 Pinecrest Road (commercial property, located approximately 200 m east)	Not Applicable

Based on the identification of an APEC at the Phase One Property, a Phase Two Environmental Site Assessment is required to assess the soil and/or groundwater quality in the vicinity of the APEC.

O.Reg. 153/04 stipulates that reports being used to support the filing of a RSC must be done no earlier than 18 months before the submission of a RSC. Given that a recent (2019) Phase Two ESA report has been prepared for the Phase One Property, and because it is not anticipated that remediation of the Phase One ESA property will be completed and an RSC submission will not be completed in the next 18 months, it is recommended that an additional Phase Two ESA study, which is anticipated to include documentation of remediation and be used to support a RSC submission, take place in conjunction with redevelopment of the Phase One Property.

2. Introduction

Lopers & Associates (Lopers) was retained by 3223701 Canada Inc. (Brigil) to complete a Phase One Environmental Site Assessment (Phase One ESA) of the commercial property with Civic address No. 2829 Dumaaurier Avenue, Ottawa, Ontario ("Site" or "Phase One Property").

The Phase One Property is legally described as Part of Lot 20, Concession 2, Ottawa Front, Registered Plan 479600, Township of Nepean, now in the City of Ottawa and has a property identifier number of 03944-0237, as obtained from a Legal Survey completed by Annis, O'Sullivan, Vollebakk Ltd., on November 20, 2000, provided by Brigil; a copy of the Legal Survey is presented in Appendix A.

Based on approximate dimensions obtained from the City of Ottawa's GIS mapping software, the Phase One Property has an approximate area of 4,200 m² (0.42 Hectares) and a zoning designation of GM[62] F(0.25), which signifies a general mixed use zone with a gross floor area restriction of 0.25 m² per m² of Property. The approximate elevation of the Phase One Property as indicated on the City of Ottawa mapping and the Ministry of Natural Resources topographic mapping is between approximately 74 and 78 m above mean sea level (m AMSL). The section of Dumaaurier Avenue which fronts the Property is considered to be the north-south axis for the purposes of this Phase One ESA. The approximate centre of the Phase One Property has Latitude and Longitude coordinates of 45° 21' 03" N and 75° 47' 37" W and Universal Transverse Mercator (UTM) coordinates of 437831 m E and 5022219 m N.

The Phase One Property is currently owned by 1248816 Ontario Inc. with a vendor take back agreement signed in 2018 for ownership to transfer to 3223701 Canada Inc. by July 2023. 3223701 Canada Inc. is a subsidiary company of Brigil Construction ("Brigil"). It is Lopers' understanding that Brigil intends to redevelop the Phase One Property for mixed use (commercial and residential purposes), including the current concept for construction of one building, approximately 30 storeys in height, with subgrade parking, commercial ground floors and residential units above. A copy of an artist's rendering of the current Site development design concept plan, as provided by Brigil, is presented in Appendix B.

This Phase One ESA was commissioned by Mr. Jean-Luc Rivard, Director of Land Development and Infrastructure for Brigil Construction (Brigil), operating as 3223701 Canada Inc. Brigil has a business address of 98 Rue Lois, Gatineau, Quebec, J8Y 3R7 and a business telephone number of 819-243-7392.

3. Scope of Investigation

This Phase One ESA has been completed as per the details of scope presented in Lopers' Letter entitled "Proposal for Phase One Environmental Site Assessment, Proposed Residential Re-development, 2829 Dumaaurier Avenue, Ottawa, ON", dated June 4, 2020, reference No. PRO-004-20-Brigil.

The Phase One ESA has been prepared in accordance with the technical requirements and formatting guidance as presented by the Ministry of Environment, Conservation and Parks (MECP) in Ontario Regulation (O.Reg.)153/04, as amended July 1, 2020. This format is based on the provincial regulation for brownfields redevelopment and has been adopted as a standard by the City of Ottawa for development applications.

The scope of work for the Phase One ESA involved the following components:

- Historical Research (Review of available historical reports, public environmental databases, Fire Insurance Plans (FIPs), City Directories, Aerial Photographs, geological mapping and any other relevant environmental records which were readily accessible at the time of the Phase One ESA);
- Requests for Information from the MECP Freedom of Information (FOI), Technical Standards and Safety Authority (TSSA), and City of Ottawa Historical Land Use Inventory (HLUI);
- Subcontracted research of environmental databases through Environmental Risk Information Services (ERIS);
- Property Title Search (subcontracted through READ Abstracts Limited and reviewed herein)
- Physical Site inspection
- Interviews with persons knowledgeable about the Property and past uses
- Interpretation of findings
- Preparation of a Phase One ESA report

The specific objectives of the Phase One ESA are to:

- Provide an overview of the Phase One Environmental Site Assessment conducted with respect to the Phase One Property.
- Provide an environmental record of the Phase One Property, in a manner that can be assessed, tested and reconstructed, to document and demonstrate:
 - How the objectives of the Phase One ESA were achieved and how the requirements for the objectives were met;
 - Whether further investigation is required to submit a Record of Site Condition (RSC) for filing;
 - Whether there exists an adequate basis for further investigation; and,
 - The basis for required certifications.

4. Records Review

a) General

i. Phase One Study Area

The Phase One Study Area includes the Phase One Property and properties with their boundaries within 250 m of the Phase One Property limits. Based on a review of the Phase One Property and properties in the Phase One Study Area, their associated historical and/or current uses and operations and physical characteristics of the Phase One Study Area, it was determined that an assessment of properties within 250 m of the Phase One property was sufficient to meet the objectives of the scope of this investigation for a Phase One ESA.

ii. First Developed Use Determination

The first developed use determination of the Phase One Property was based on research and information presented in subsequent sections of this report and is summarized below.

A land title search was completed by READ Abstracts Limited for the Phase One Property. The title search indicates that the Phase One Property was owned by individuals since at least 1831 until 1957 when ownership of the portions of the Property began to be transferred to Campeau Construction Company Ltd. A commercial lease was registered at the Phase One Property in 1980.

Aerial photographs reviewed from 1958, 1965 and 1976 show evidence of soil disturbance on the north portion of the Phase One Property and adjacent lands to the north and east; it was reported that the City of Ottawa operated landfill site at this location from 1953 to 1957; the operation of the Phase One Property as a landfill is interpreted as industrial use.

The 1991 aerial photograph shows the presence of the present-day commercial development at the Phase One Property. The commercial lease granted for the Property in 1980 is interpreted to represent the earliest developed use of the Phase One Property and was for commercial use.

Based on the information reviewed as part of this Phase One ESA, specifically the title search and aerial photographs, the first developed use of the Phase One Property is considered to be 1980.

iii. Fire Insurance Plans

Fire insurance plans (FIPs), were reviewed where available, for the City of Ottawa as part of this Phase One ESA.

There was no coverage in the FIPs for the Phase One Property or for properties located in the Phase One Study Area as part of available FIPs.

iv. Chain of Title

A chronological chain of title was prepared by READ Abstracts Limited for the Phase One Property. The chain of title provides the names of historical owners, lessees and dates of ownership for the Phase One Property dating back to 1831. The legal description as obtained from the Chain of Title was Part of Lot 20, Concession 2 OF Nepean, parts 1 to 8 on Registered Plan 4R-16235; Part of Lot 20, Concession 2 OF Nepean and Part Dumaaurier Ave. and one foot reserve, Plan 479600, Parts 1 to 8 on Registered Plan 4R-16235.

Based on additional historical research completed as part of this Phase One ESA and a review of the chain of title, the Phase One Property was agricultural and/or unoccupied with no developed use prior to 1953. A chain of title ownership summary was prepared dating back to 1831 and is presented in Table 2 below. A copy of the Chain of Title for the Phase One Property, as prepared by READ Abstracts Limited for the Phase One Property is provided in Appendix C.

Table 2: Chain of Title Ownership Summary

Year(s)	Phase One Property Ownership
Prior to November 4, 1831	Ira Honeywell, Henry Hare, Martin Wholeban
1831 to 1846	Ed. Watson, Henry Hare, Martin Wholeban
1846 to 1875	Ed. Watson, Robert Hare, Martin Wholeban
1875 to 1877	Ed. Watson, Robert Hare, Joseph Flynn
1875 to 1881	Ed. Watson, Robert Hare, Isaac Munson
1881 to 1887	Ed. Watson, Robert Hare, Harriet Mosgrove
1887 to 1906	Ed. Watson, Albert Edward Hare, Harriet Mosgrove
1906 to 1923	Ed. Watson, Albert Edward Hare, William G.M. Mosgrove
1923 to 1926	Ed. Watson, Albert Edward Hare, George Lark
1926 to 1930	Elizabeth Viens, Albert Edward Hare, George Lark
1930 to 1932	Elizabeth Viens, Albert Edward Hare, Richard R. Foster
1932 to 1957	Elizabeth Viens, Richard R. Foster
1957 to 1969	Campeau Construction Corporation Ltd., Richard R. Foster
1969 to 1971	Campeau Construction Corporation Ltd., Catkey Construction (Ottawa) Limited
1971	The Corporation of the City of Ottawa, Catkey Construction (Ottawa) Limited
1973 to 1973	Catkey Construction (Ottawa) Limited
1973 to 1975	Noren Construction Corporation Limited
1975 to 1985	Bangar Enterprises Limited

Year(s)	Phase One Property Ownership
1985 to 1986	Katila Enterprises Ltd.
1986 to 1989	Bhag Karamchandani and Peter Pecora
1989 to 1997	Bhag Karamchandani
October 1, 1997 to Present	1248816 Ontario Inc.

One lease was registered at the Phase One Property including:

- NS92283 on July 29, 1980 – D.A.P.I. Limited

There were no potentially Contaminating Activities (PCAs) interpreted from the ownership of the Phase One Property based on the chain of title ownership summary. No Areas of Potential Environmental Concern (APECs) were identified for the Phase One Property based on the Chain of Title research.

v. Environmental Reports

Brigil provided the following four reports for review as part of this Phase One ESA:

1. "Phase I Environmental Site Assessment, 2831, 2833, 2835, 2841 and 2865 Dumaaurier Avenue, Ottawa, Ontario", dated August 16, 2018, completed by GHD Limited for 3223701 Canada Inc.
2. "Phase II Environmental Site Assessment, 2831, 2833, 2835, 2841 and 2865 Dumaaurier Avenue, Ottawa, Ontario", dated April 2, 2019, completed by GHD Limited for 3223701 Canada Inc.
3. "Geotechnical Investigation, Proposed Hi-Rise Building, 2829 Dumaaurier Avenue, Ottawa, Ontario", dated December 18, 2019, completed by Paterson Group Inc. for 3223701 Canada Inc.
4. "Methane Gas Detection Monitoring Program (2015-2019), Dumaaurier Plaza - 2829 Dumaaurier Avenue, Closed Pinecrest Landfill Site, Ottawa, Ontario", dated August 26, 2020, completed by Wood Canada Limited for 1248816 Ontario Inc.

2018 Phase I Environmental Site Assessment by GHD (2018 GHD Phase I ESA)

The 2018 GHD Phase I ESA was completed for a larger parcel of land which included that Phase One Property and the adjacent commercial land to the south, including the entire Dumaaurier Plaza. The Phase One Property was occupied by the northern portion of the present-day commercial plaza building at the time of the 2018 GHD Phase I ESA. The occupants of the plaza were retail commercial and did not include any operations which were interpreted as PCAs. The presence of a former waste disposal site was identified on the northeast portion of the Phase One Property and on adjacent land to the east. This former waste disposal site is associated with the PCA of "Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners" (PCA #1). This

former waste disposal site is a significant PCA and is considered to represent APEC #1 for the Property. The location of this PCA and APEC is depicted on Figure 3: Surrounding Land Use and are summarized in Table 6 in Section 7. (b).

An additional PCA, "Importation of Fill material of Unknown Quality" was identified to south of the Phase One Property (O.Reg. PCA item #30). This fill placement occurred off-Site and interpreted down- or cross-gradient with respect to the Property and is not considered to represent an APEC for the Property.

Based on the identification of a PCA and APEC at the Phase One Property, a Phase Two Environmental Site Assessment was recommended to be completed to assess the soil and/or groundwater quality in the vicinity of the identified APEC #1. Investigation of the aforementioned fill material was also recommended as part of the Phase Two ESA.

2019 Phase Two Environmental Site Assessment by GHD (2019 Phase Two ESA)

The 2019 GHD Phase Two ESA was completed for a larger parcel of land which included the Phase One Property and the adjacent commercial land to the south, including the entire Dumaurier Plaza. Only the findings at the Phase One Property have been included in this report summary.

The 2019 GHD Phase Two Environmental Site Assessment (2019 GHD Phase Two ESA) was completed to assess the APECs identified through a review of the 2018 GHD Phase I ESA, namely, the potential for residual soil and groundwater contamination in the vicinity of the former waste disposal site on the north and east portions of the Phase One Property, as well as fill material on the commercial property adjacent to the south of the Property.

Five boreholes, each instrumented with a groundwater monitoring well, were drilled as part of the 2019 GHD Phase Two ESA, however, only two of these boreholes/monitoring wells were located at the Phase One Property. Soil conditions on the northeast portion of the Property were found to consist of a layer silty sand and gravel fill, underlain by peat, followed by fractured limestone bedrock at approximately 3.7 m below ground surface (m BGS). Black staining was observed in the fill material. Groundwater was encountered at depths ranging from approximately 1.3 to 1.4 m BGS.

Soil and groundwater samples were submitted from each of the borehole/monitoring well locations, which were analyzed for a combination of petroleum hydrocarbons (PHCs), volatile organic compounds (VOCs), polycyclic aromatic hydrocarbons (PAHs), metals and inorganics. The one analyzed soil sample from the Property was in compliance with the site condition standards (MECP Table 3). One of the three analyzed groundwater samples from the Property had exceedances of the site condition standards, with respect to PHCs. The 2019 GHD Phase Two ESA report concluded that the Property would require remediation or a risk assessment to be in compliance with the site condition standards. It was recommended that a remedial action

plan, including a soil and groundwater management program be completed prior to the construction phase of redevelopment.

2019 Geotechnical Investigation by Paterson Group Inc. (2019 Paterson Geotechnical Investigation)

The 2019 Paterson Geotechnical Investigation was completed for the Phase One Property. Three boreholes, each instrumented with a groundwater monitoring well, were drilled as part of the 2019 Paterson Geotechnical Investigation. Soil conditions at the Property were found to consist of a layer silty sand and gravel fill, underlain by glacial till, fine sand and/or silty clay, followed by limestone bedrock at depths ranging from approximately 3.9 to 5.3 m BGS. Each of the boreholes were cored into the bedrock and monitoring wells were installed with their screens set at approximately 15 to 18 m BGS. Groundwater was encountered at depths ranging from approximately 5.8 to 7.1 m BGS.

2020 Methane Gas Detection Monitoring Program by Wood (2020 Wood Methane Monitoring)

The 2020 Wood Methane Monitoring report was completed to assess methane presence as a result of a former waste disposal site¹. Monitoring data was collected from three gas probes at the Phase One Property over the period from 2015 to 2019 at approximately quarterly intervals. The results of the methane monitoring indicate that, while a decreasing trend in methane concentrations does appear evident from 2015 to 2019, several regulation criteria including concentration at the site boundary (2.5% volume methane/total volume), concentration of indoor air in an on-site building (1% volume methane/total volume) and concentration of indoor air in an off-site building (0.05% volume methane/total volume) were intermittently exceeded by observed methane concentrations in some of the gas probes.

It is noted that the regulation which applies to landfills is Ontario Regulation (O.Reg.) 232/98 (as amended in 2011); this regulation is not part of O.Reg. 153/04 for which this Phase One ESA has been prepared in accordance with. It should also be noted that the on-Site building and off-Site building criteria is based on indoor air monitoring, and as such the gas probes may provide data which is a conservative approximation of what indoor conditions may exist; it is not known if any indoor air monitoring for methane has been completed at the Phase One Property. Based on the current concept for construction for redevelopment of the Property, it is expected that all waste on the Property will be excavated and sent off-Site for disposal. Subgrade design of the proposed building may also include construction features for methane risk mitigation.

b) Environmental Source Information

A review of the readily available environmental source information records was completed as part of this Phase One ESA.

¹ For the purposes of this review section only, the word 'site' references a landfill site.

As part of environmental source information review, Environmental Risk Information Systems (ERIS) was also contracted to complete a search of their records of environmental data bases within 250 m of the Site. The pertinent search results to this Phase One ESA are presented in the following subsections. A copy of the ERIS database search is included as Appendix D.

National Pollutant Release Inventory

The National Pollutant Release Inventory (NPRI) is a database maintained by Environment and Climate Change Canada (ECCC). Reporting of releases of pollutants into the natural environment are reported annually by corporations and/or their representatives and posted for public record by ECCC. Presently, data is available and posted for the years 1994 through 2018. No records were identified within 250 m of the Phase One Property during a review of the posted NPRI data on the ECCC electronic website on November 26, 2020 and the results were confirmed through the subcontracted ERIS search, dated July 21, 2020.

Polychlorinated Biphenyl (PCB) Inventories

The MECP, formerly known as the Ministry of Environment and Energy, published the "Ontario Inventory of PCB Storage Sites". The inventory documented the company information, physical address, number of tonnes of liquid PCBs by region. No records were identified within 250 m of the Phase One Property during a review this document and the results were confirmed through the subcontracted ERIS search, dated July 21, 2020.

The ERIS search also reviewed the National PCB Inventory, which details in use PCB containing equipment in federal, provincial and private facilities; this database was last updated in 2008. No records were identified within 250 m of the Phase One Property during a review this database.

Environmental Instruments

Environmental Instruments, such as Environmental Compliance Approvals (ECAs), Certificates of Approval (CAs), Permits to Take Water (PTTWs), Risk Management Plans (RMPs), and Certificates of Property Use (CPUs) are maintained by the MECP on a property specific basis and can generally be obtained by submitting a Freedom of Information (FOI) request. If records exist, they can generally be obtained through the MECP through additional communications. The subcontracted ERIS search also confirms the filing of any such records associated with properties.

An FOI request was submitted to the MECP as part of this Phase One ESA; however, a response was not received in the timeframe permitted as part of this mandate; a copy of the FOI request is included as Appendix E. The ERIS search did not identify any records of environmental instruments at the Phase One Property, however, three records of ECAs and two records of CAs were identified within 250 m of the Phase One Property. Two ECAs were issued to The City of Ottawa at the Bayshore Transit Station to Pinecrest Road, shown to be located approximately 120 m south of the Phase One Property, in September of 2007 and January of 2008 for municipal sewage. One CA and one ECA were issued to Ottawa Community Housing

Corporation at 1065 Ramsey Crescent, located adjacent to the west of the Phase One Property, in January of 2003 for air discharges. One CA was issued to The City of Ottawa at Dumaurier Avenue near Watson Street, located approximately 50 m northeast of the Phase One Property, in May of 1988 for a landfill gas vent. These activities associated with the aforementioned CAs are not PCAs and do not represent APECs for the Phase One Property, with one exception. The landfill gas vent is associated with a former waste disposal site, which is associated with the PCA of "Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners" (PCA #1). The location of this PCA is depicted on Figure 3: Surrounding Land Use and are summarized in Table 6 in Section 7. (b).

Inventory of Coal Gasification Plants

The document "Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario, Volume II", produced by Intera Technologies Ltd. for the Ontario Ministry of the Environment, dated July 1988 was reviewed as part of this Phase One ESA. No records were identified within 250 m of the Phase One Property during a review of this document and the results were confirmed through the subcontracted ERIS search, dated July 21, 2020.

Environmental Records of Incidents, Orders, Offences, Spills, Discharges of Contaminants or Inspections maintained by the Ministry

Environmental records of incidents, orders, offences, spills, discharges of contaminants or inspections are maintained by the MECP on a property specific basis and can generally be obtained by submitting a Freedom of Information (FOI) request. If records exist, they can generally be obtained through the MECP through additional communications. The subcontracted ERIS search also confirms the filing of such records associated with properties.

An FOI request was submitted to the MECP as part of this Phase One ESA; however, a response was not received in the timeframe permitted as part of this mandate; a copy of the FOI request is included as Appendix E. The ERIS search did not identify any records of environmental records at the Phase One Property; however, two records of spills were identified within 250 m of the Phase One Property. A spill of motor oil discharged to a storm sewer catch basin was recorded at 1065 Ramsey Crescent, adjacent to the west of the Phase One Property, in June of 1995; this spill is not suspected to have been of a significant volume, is not a PCA and does not represent an APEC for the Phase One Property. A spill of 20 L of gasoline discharged to a storm sewer catch basin was recorded at 1065 Ramsey Crescent, adjacent to the west of the Phase One Property, in December of 2008; this spill was not a significant volume, is not a PCA and does not represent an APEC for the Phase One Property.

Waste Management Records

Waste management records, including current and historical waste storage locations and waste generator and waste receiver information maintained pursuant to Regulation 347 of the Revised

Regulations of Ontario, 1990 (General — Waste Management) made under the Act, or its predecessors are maintained by the MECP on a property specific basis and can generally be obtained by submitting a Freedom of Information (FOI) request. If records exist, they can generally be obtained through the MECP through additional communications. The subcontracted ERIS search also confirms the filing of such records associated with properties.

An FOI request was submitted to the MECP as part of this Phase One ESA, however, a response was not received in the timeframe permitted as part of this mandate; a copy of the FOI request is included as Appendix E. The ERIS search did not identify any waste generators at the Phase One Property, however, the search identified records of environmental waste generators at two properties within 250 m of the Phase One Property.

PSL Mechanical, with a property at 1065 Ramsey Crescent, was listed as a generator of Aliphatic Solvents and residues in 2018. It is suspected that this waste registration was associated with a private business located at the residential property at 1065 Ramsay Crescent. This waste generator is not suspected to be associated with a PCA and does not represent an APEC for the Phase One Property.

Conseil Scolaire de Langue Francais Ecole Franco-Nations with a property at 1085 Grenon Avenue, adjacent to the north of the Phase One Property, was listed as a generator of PCBs from 1994 through 1998. It is suspected that the waste generated is related to the decommissioning of electrical equipment and storage prior to disposal availability, which was a common practice in Ontario in the 1990's. This waste generator is not suspected to be associated with a PCA and does not represent an APEC for the Phase One Property.

MECP Property Specific Reports

Reports submitted to the Ministry related to environmental conditions are maintained by the MECP on a property specific basis and can generally be obtained by submitting a FOI request. If records exist, they can generally be obtained through the MECP through additional communications. The subcontracted ERIS search also confirms the filing of such records associated with properties.

An FOI request was submitted to the MECP as part of this Phase One ESA; however, a response was not received in the timeframe permitted as part of this mandate; a copy of the FOI request is included as Appendix E. The ERIS search did not identify any records of environmental reports at the Phase One Property, or properties within 250 m of the Phase One Property.

Technical Standards and Safety Authority

Records of retail fuel storage tanks, retail fuel outlets, spills, releases, and other associated information is maintained by the Technical Standards and Safety Authority (TSSA). These records can be obtained through electronic communications with the TSSA. The subcontracted ERIS search also confirms the filing of such records associated with properties.

The TSSA was contacted by email to complete a search of available records associated with the current property address and addresses of surrounding properties with historical environmental listings (based on other historical research). The TSSA response, received on July 16, 2020, did not identify the presence of any fuel storage tanks at the Phase One Property or immediately adjacent properties. A copy of the TSSA response is included as Appendix F.

The subcontracted ERIS search did not identify any records of private and retail fuel storage tanks in the Phase One Study Area. One historic incident was identified in the Phase One Study Area; a pipeline strike of natural gas was reported in September of 2007 at 2921 Dumaaurier Avenue, located approximately 230 m south-southwest of the Phase One Property. This incident is not a PCA and does not represent an APEC for the Phase One Property.

Registry Filings

Records of notices and instruments, including records of site condition (RSC), which have been posted in the environmental registry, are maintained by the MECP. These records can be reviewed electronically on the MECP Environmental Site Registry (ESR) website. The subcontracted ERIS search also confirms the filing of such records associated with properties. The website was reviewed for RSCs filed at the Phase One Property and in the Phase One Study Area; no RSCs have been filed for the Phase One Property or for any properties in the Phase One Study Area.

Areas of Natural and Scientific Interest

Records of areas of natural and scientific interest (ANSIs) formerly referred to as areas of natural significance, are maintained by the Ministry of Natural Resources and Forestry (MNRF), and are available for review on the Ontario GeoHub website. The website was reviewed on November 26, 2020 for records of ANSIs in the Phase One Study Area. There were no ANSIs identified within 250 m of the Phase One Property.

Current and Historical Landfills

Records of historical and operating landfills is maintained by the MECP. The document "Waste Disposal Site Inventory", produced by the Ontario Ministry of the Environment, dated June 1991 was reviewed as part of this Phase One ESA. One record of a closed waste disposal site was identified to the east of the Phase One Property. The closed landfill site was identified with Site ID X1006 and was classified as "A5: Potential Human Impact – Urban Municipal/Domestic Waste. No records of active landfill sites were identified within 250 m of the Phase One Property during a review of this document.

The City of Ottawa contracted Golder Associates Ltd. to conduct an inventory and assessment of former waste disposal sites in within the City of Ottawa. The document "Old Landfill Management Strategy, Phase 1 – Identification of Sites, City of Ottawa, Ontario", produced by Golder Associates Ltd., finalized October 2004, was reviewed as part of this Phase One ESA. One record of a former landfill was identified within 250 m of the Phase One Property during a

review of this document. The Pinecrest & Dumaurier Landfill was identified southwest of the Dumaurier Avenue and Pinecrest Road intersection, with its limits shown to extend onto the north portion of the Phase One Property. The landfill reportedly operated between 1953 and 1957 and accepted mostly domestic waste with some commercial and industrial waste. Various historical investigations were completed at the landfill property, including the installation of gas probes and a methane extraction system. Methane concentrations were detected in the observation probes, however, methane was not detected in any of the buildings situated on the landfill footprint. The soil quality was tested at the Phase One Property and was reportedly in compliance with the applicable criteria (data not provided). The direction of groundwater flow was reportedly toward the southeast.

The presence of this former waste disposal site at the Phase One Property is associated with the PCA of "Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners" (PCA #1). The location of this PCA is depicted on Figure 3: Surrounding Land Use and are summarized in Table 6 in Section 7. (b).

City of Ottawa Historical Land Use Inventory

The City of Ottawa's Planning, Infrastructure and Economic Development department was contacted to complete a search of the Historical Land Use Inventory (HLUI) maintained by the City. The response, received on August 28, 2020, indicated that the HLUI search identified one activity (of environmental significance) associated with the Phase One Property, including:

- A former waste disposal site was identified on the north portion of the Phase One Property and on the adjacent lands to the east. This listing was previously identified as PCA/APEC # 1.

Six additional activities were identified at four properties in the HLUI study area. The listed occupants and/or operations of the associated activities included: Former Waste Disposal Site (PCA #1), Paroisses Catholiques Romaines and an unnamed sand and gravel pit. The presence of Roy Rump & Sons Automotive, identified at 1037 Pinecrest Road, located with property limits approximately 200 m east of the Phase One Property, is identified as a PCA #2 associated with Storage, maintenance, fuelling and repair of equipment, vehicles, and material used to maintain transportation systems and PCA #3 associated with Gasoline and Associated Products Storage in Fixed Tanks; this property and its actual operations are located a significant distance and cross-gradient of the Phase One Property and as such these PCAs are not considered to represent APECs for the Property.

None of the additional identified listed 'activities' are PCAs and no APECs were identified for the Phase One Property as part of a review of the HLUI. A copy of the HLUI response letter is included in Appendix G.

c) Physical Setting Sources

i. Aerial Photographs

Aerial Photographs were reviewed for the Phase One Property and Phase One Study Area from available sources as part of the historical review. Aerial photographs were reviewed from historical research previously completed in the Phase One Study Area, Google Earth Aerial Imagery and from the City of Ottawa's geoOttawa GIS tool. Aerial Photographs were reviewed over the period of 1958 through 2019, which depict development at the Phase One Property. A summary of the information gleaned from the aerial photographs is provided below. Copies of the aerial photographs reviewed are provided in Appendix H.

1958 Aerial Photograph

The south and west portions of the Phase One Property appear to be undeveloped and are treed in the 1958 Aerial Photograph. Soil disturbance, suspected to be associated with the former waste disposal site, is present on the north and east portions of the Phase One Property, as well as on lands to the east and northeast. Other properties in the Phase One Study Area appear to be used primarily for agricultural purposes, with some rural residential buildings present. Pinecrest Road has been constructed further east of the Phase One Property, while a railway line is present approximately 260 m south of the Property.

1965 Aerial Photograph

The Phase One Property is not developed or occupied at the time of the 1965 aerial photograph. No other significant changes appear to have been made at the Phase One Property. The north portion of Dumaurier Avenue has been constructed to the northeast of the Phase One Property. An institutional building is under construction immediately to the northeast of the Phase One Property. Residential development, including single family residential dwellings have been constructed to the northeast of the Phase One Property in the Phase One Study Area. What appears to be a retail fuel outlet has been constructed to the east of Pinecrest Road, approximately 200 m east of the Phase One Property. The former railway line further south of the Phase One Study Area has been removed and replaced with the present-day Highway 417.

1976 Aerial Photograph

The Phase One Property is unoccupied but appears to have some soil disturbance on the southeast portion of the Property. Dumaurier Avenue has been fully constructed to the east of the Property. Residential development, including residential townhomes and a residential apartment building have been constructed to the southwest of the Phase One Property in the Phase One Study Area. An institutional building (school) has been developed to the northwest of the Property.

1991 Aerial Photograph

The Phase One Property has been developed with what appears to be the present-day commercial plaza building on the south portion of the Property, this building extends onto the adjacent property to the south as well. The north portion of the Property is landscaped. A separate commercial building has been constructed to the south of the Phase One Property. Increased institutional development is apparent on the property adjacent to the northwest of the Phase One Property.

1999 Aerial Photograph

The former retail fuel outlet to the east of Pinecrest Road appears to have been removed and an automotive garage has been redeveloped in its place. No other significant changes appear to have been made to the Phase One Property or neighbouring properties in the Phase One Study Area.

2005 Aerial Photograph

The commercial building at the Phase One Property and the adjacent property to the south has been joined to the commercial building on the property further south; these buildings appear to be operating as a single commercial plaza. A residential development of single family residential dwellings, has been constructed further to the west of the Phase One Property. No other significant changes appear to have been made to the Phase One Property or neighbouring properties in the Phase One Study Area.

2019 Aerial Photograph

No significant changes appear to have been made to the Phase One Property or neighbouring properties in the Phase One Study Area.

As previously noted, the presence of an automotive service garage and a retail fuel outlet at 1037 Pinecrest Road, approximately 200 m east of the Phase One Property are interpreted as PCA #2 and PCA #3 respectively, however, due to their significant distance and cross-gradient orientation, these activities do not represent APECs for the Phase One Property. The use of the Property and neighbouring lands to the north and east as a former waste disposal site at the Phase One Property represents a PCA #1 and APEC #1 for the Phase One Property.

ii. Topography, Hydrology, Geology

The Ontario Ministry of Natural Resources and Forestry's (MNRF's) Topographic Map GIS website was used to produce a topographic map showing the location of the Phase One Property, nearby water bodies and the regional topography of the Phase One Study Area. A copy of the Topographic Map is provided in Appendix I. The local regional topography in the Phase One Study Area is undulating but generally slopes downward to the south. Regionally, the topography slopes downward to the northwest, toward the Ottawa River. The north portion of the Phase One Property is elevated approximately 2 m with respect to the south portion of

the Property. The Ottawa River is located approximately 1.3 km northwest of the Phase One Property.

Information on the regional surficial soil was obtained from the Geological Survey of Canada map 1425A titled Surficial Materials and Terrain features Ottawa Hull. Based on a review of the map, the natural soil conditions in the Phase One Study Area consist of "Abandoned River Channel Deposits of silt and silty clay; commonly including lenses of sand and generally underlain at variable depth by unit 3. 7. Stratified, buff, medium grained sand; unfossiliferous; locally reworked into low dunes".

Information on the regional bedrock was obtained from the Ontario Geological Survey Map P2716 titled 'Paleozoic Geology Ottawa Area'. Based on a review of the map, the Phase One Study Area is underlain by bedrock of the Rockcliffe Formation, described as a "interbedded fine grained light greenish grey quartz sandstone, shaly limestone, and shale; locally conglomerate at base; interbeds of calcarenite and silty dolostone in upper part".

Well records and borehole logs, obtained from the MECP Water Well Records database, the subcontracted ERIS search and from historical investigations at the Phase One Property were reviewed. Based on these records, the general stratigraphy of the Phase One Property and Phase One Study Area consists of sand and gravel fill, underlain by silty clay, followed by silty sand. The overburden soil is underlain by interbedded shale and dolostone bedrock.

iii. Fill Materials

The Phase One Property was historically partially occupied by a former waste disposal site, with waste having been placed on the north portion of the Property in the late 1950s; this activity is a PCA associated with "Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners" PCA #1.

The Property was developed with the present-day commercial plaza building and paved asphalt parking areas in the late 1970s or early 1980s. Granular base fill material is expected to have been used as part of construction of the aforementioned features; this fill type is not considered to represent a PCA, as gravel does not meet the definition of soil.

iv. Water Bodies and Areas of Natural Significance & Ground Water Information

The closest significant water body to the Phase One Property is the Ottawa River, located approximately 1.3 km to the northwest. There were no areas of natural and scientific interest (ANSIs or areas of natural significance) identified in the Phase One Study Area.

The Phase One Property and Study Area are not located in the vicinity of any well-head protection areas or other designation identified by the City of Ottawa in its official plan for the protection of ground water. The Phase One Study Area is serviced by municipally treated drinking water. No private or agricultural water supply wells are located within the Phase One Study Area.

v. Well Records

Well records and borehole logs, obtained from the MECP Water Well Records database, the subcontracted ERIS search and from historical investigations at the Phase One Property were reviewed. One historic potable water supply well was identified in the Phase One Study Area during a review of the MECP Water Well Records database, however, this well was drilled in the early 1950s and was located at a property that has since been redeveloped. Additionally, the Phase One Study Area is provided with municipally treated non-potable water and as such it is not suspected that this well remains in use.

Based on reports provided by Brigil, monitoring well logs completed as part of previous investigations by others (a total of 7 groundwater monitoring wells) are located on exterior of the Phase One Property. Based on these records, the general stratigraphy of the Phase One Property and Phase One Study Area consists of sand and gravel fill, underlain by glacial till, silty clay and/or peat, underlain by limestone bedrock. The approximate depth to bedrock is expected to range from 3 to 5 m below ground surface (m BGS) in the area of the existing monitoring wells at the Phase One Property, with a groundwater table at approximately 1 to 2 m BGS in the shallow bedrock aquifer and 6 to 7 m BGS in the deeper bedrock aquifer.

d) Site Operating Records

Waste management records are maintained by the individual tenants of the building at the Phase One Property. No generators of hazardous waste have been registered for the Property and based on current and known previous commercial operations at the Property it is not suspected that any hazardous waste has been generated by the commercial occupants. Leasing information on tenants and operations is maintained by the current owner of the Property, who stated that the Property has never been used as an automotive garage or as a dry cleaner. None of the operating records are considered to represent PCAs for the Phase One Property.

5. Interviews

An in-person interview was completed on the day of the Site Investigation (November 10, 2020) with Mr. Philip Thibert, Project Manager – Land Development and Infrastructure for Brigil Construction. Mr. Thibert has been familiar with the Phase One Property since 2018 when Brigil entered into an agreement to purchase the Property. Mr. Thibert stated that Brigil signed an agreement to purchase the Property in 2018 which will conclude in 2023. Mr. Thibert was not aware of any spills or poor environmental management practices associated with the current operation of the Phase One Property. Mr. Thibert stated that to the best of his knowledge, no dry-cleaning equipment has ever been operated at the Phase One Property. Mr. Thibert was aware of the former landfill to the east of Dumaaurier Avenue, which also has extends onto the

north portion of the Property, however, he was not aware of any other PCAs or environmental concerns with neighbouring properties.

An interview was conducted as part of a previous 2018 GHD Phase I ESA, which was also completed by the author of this Phase One ESA. The interview was conducted in 2018 with Mr. Daniel Blais, Property Manager and representative of the Property owner: 1248816 Ontario Inc. Mr. Blais had been familiar with the Phase One Property for at least 17 years at the time of the interview and reportedly had good knowledge of active activities at the Phase One Property and in the Phase One Study Area as well as some knowledge of historical activities. The pertinent findings of the interview as they relate to the Phase One Property subject of this Phase One ESA are provided as follows:

- *The initial development at the Phase One Property occurred in the late 1970's or early 1980's and the Property has been used for commercial purposes since that time.*
- *The commercial building at the Property has always been heated using natural gas and Mr. Blais was not aware of any current or historical fuel storage at the Property.*
- *Mr. Blais stated, that to the best of his knowledge, no dry cleaner has ever been present at the Property.*
- *Mr. Blais was not aware of any environmental concerns with the Property since his involvement with the Property.*
- *Mr. Blais stated that a former landfill had historically operated to the east of Dumaurier Avenue.*

The findings of the interview completed by in 2018 are consistent with information gleaned through other historical sources as part of this Phase One ESA, with the exception that documents reviewed as part of this Phase One ESA also identified the presence of the former waste disposal site on the north portion of the Property.

One PCA, "Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners" (PCA #1) was identified in the Phase One Study Area. This former waste disposal site is a significant PCA and is considered to represent APEC #1 for the Property. The location of this PCA and APEC is depicted on Figure 3: Surrounding Land Use and are summarized in Table 6 in Section 7. (b).

6. Site Reconnaissance

a) General Requirements

The Phase One Site Investigation was completed on November 10, 2020 between the hours of 1:00 and 3:30 PM. Weather conditions were sun and clouds with an ambient air temperature of approximately 22 degrees Celsius. The Phase One Property was occupied by the north portion of a commercial plaza style building at the time of the Site Investigation. The portion of the

commercial plaza building located on the Property was occupied by commercial tenants at the time of the Site Investigation. The Site Investigation was completed by Mr. Luke Lopers, who is a registered Professional Engineer (Environmental) in the province of Ontario and a Qualified Person (QP) for Environmental Site Assessments, and has been conducting Phase I/One Environmental Site Assessments and environmental reconnaissance since 2006. Mr. Lopers was accompanied by Mr. Philip Thibert, Project Manager – Land Development and Infrastructure for Brigil Construction.

Photographs were taken of the exterior of the Phase One Property, documenting any areas of potential environmental concern and areas of disturbed soils, including fill areas, and existing groundwater monitoring wells. A copy of the Photographic Log and written descriptions of the photos are provided in Appendix J.

b) Specific Observations at Phase One Property

The Phase One Property was developed with the north portion of a multi-unit commercial building at the time of the Site Investigation.

The commercial building is generally a single storey slab-on-grade building with a flat tar and gravel roof. The exterior of this building is finished with brick, metal and wood siding, with steel or glass doors. No sumps were identified on the interior of the building.

The portion of the commercial building on the Phase One Property consists of three commercial tenant units. The occupants of the building were observed as presented in Table 3 below. It should be noted that a U-Haul franchise is run out of the Halal Meat & Grocery commercial unit, which has vehicles parked on the paved central portion of the Property; no service or fueling of vehicles was ever reported to have taken place at the Property, nor are any such activities suspected. The occupant identifiers (A through C) in Table 3 below are depicted on Figure 2: Site Plan.

Table 3: Building Occupants

Commercial Building Occupants	
A	Barney's Pizza
B	As-Sahaba Musala
C	Halal Meat & Grocery

No aboveground storage tanks (ASTs) or visual indications of the presence of underground storage tanks (USTs), such as vent and fill pipes or access hatches, were observed as part of the Site Investigation.

No potable water wells were observed at the Phase One Property during the Site Investigation. The Phase One Property is supplied with potable water by the City of Ottawa through an underground connection from Dumaurier Avenue to the east of the building.

Underground utility corridors for sanitary and storm sewers, potable water, electricity and natural gas lines lead to the commercial plaza building, generally from Dumaaurier Avenue to the east.

The commercial plaza building is heated with natural gas fired heating, ventilating and air conditioning units located on the roof of the building. There were no details regarding former heating and cooling systems, including historical fuel sources for buildings at the Phase One Property, however, given the date of development of the Property, it is suspected that the current building has always been heated and cooled using natural gas or electricity.

There were no significant cracks or stains on the concrete or finished floors of the commercial plaza building.

The commercial buildings are connected to the City of Ottawa municipal sanitary sewer system. There were no septic tanks or leaching beds observed at the Phase One Property as part of the Site Investigation.

Approximately 20% of the Phase One Property is developed with the northern portion of a commercial building and the majority of the remainder of the south portion of the Property is surfaced with asphalt. The north portion of the Property is landscaped.

There were no current or former railway lines, tracks or spurs identified at the Phase One Property or in the Phase One Study Area as part of the Site Investigation. A former railway line was identified approximately 260 m south of the Phase One Property.

No surficial staining was observed on the asphalt covered surfaces of the Phase One Property during the Site Investigation. No stressed vegetation was observed.

The presence of historical placement of fill material was suspected on the north portion of the Phase One Property during the Site Investigation; this portion of the Property was elevated approximately 1 to 2 m above the existing surface grade of the southern portion of the Property as well as the adjacent roadway to the east and neighbouring lands to the west and south. Fill placement is suspected to be associated with the former waste disposal site, which has been found to extend onto the northern portion of the Phase One Property.

i. Enhanced Investigation Property

The Phase One Property is not currently operating for any industrial use or any of the following commercial uses: as a garage, as a bulk liquid dispensing facility, including a gasoline outlet, or for the operation of dry-cleaning equipment. The Phase One Property is hence not an enhanced investigation property.

c) Land Use Observations of the Phase One Study Area

Properties in the Phase One Study Area were reviewed from publicly accessible Rights-of-Way as part of the Site Investigation on November 10, 2020. Uses of these lands were noted and any

potential presence of PCAs was also assessed. Neighbouring land uses were recorded as follows:

North: Institutional properties (Muslim Association of Canada, Abraar School and Saint Remi Church) to the northeast, followed by residential properties.

East: Dumaurier Avenue followed by Parkland (Dumaurier Park baseball fields), followed by Pinecrest Road, with commercial businesses and an institutional property on the east side of Pinecrest Road.

South: The southern portion of the commercial building, which adjoins the commercial building on the Phase One Property, followed by Ramsay Crescent, followed by residential townhouses.

West: A residential apartment followed by residential properties (south) and parkland (north).

Land uses in the Phase One Study Area are shown on Figure 3: Surrounding Land Use. One PCA was observed during the review of land use in the Phase One Study Area. An automotive service garage was observed at the commercial property at 1037 Pinecrest Road with property limits approximately 200 m east of the Phase One Property. The automotive service garage represents PCA #2, however, these operations are located a significant distance and cross-gradient with respect to the Property and are not considered to represent an APEC for the Property.

7. Review and Evaluation of Information

a) Current and Past Land Use

The current and past land use of the Phase One Property, dating back to the first developed use, is provided in Table 4 below.

Table 4: Current and Past Land Use

Year	Name of Owner	Description of Property Use	Property Use	Other observations from historical sources
1831 - 1953	Individuals	Unknown	Agricultural or other use	Property owned by individuals. 1933 and 1958 aerial photographs show Property in undeveloped condition.
1953 - 1957	Individuals	North portion of the Property (and adjacent lands to the north and east) used by the City of Ottawa as a waste disposal Site	Industrial Use	Historical environmental documentation and previous environmental reports maintained by the MECP and Municipality indicate landfilling operations between 1953 and 1957. Evidence of historical soil disturbance is apparent in the 1958 aerial photograph.
1957 - 1969	Individuals & Campeau Construction Company Ltd.	Site is vacant with no developed use	Industrial Use	Title search indicates transfers of ownership between construction companies between 1957 and 1975, when a developer purchased the Property. Aerial photographs from 1965 and 1976 show the Property to be vacant with no developed structures or improved surfaces.
1969 - 1971	Campeau Construction Company Ltd. and Catley Construction (Ottawa) Company Limited			
1971	Catley Construction (Ottawa) Limited and The Corporation of the City of Ottawa			
1971 - 1973	Catley Construction (Ottawa) Limited			
1971 - 1973	Catley Construction (Ottawa) Limited			
1973 - 1975	Noren Construction Corporation Limited			
1975 - 1979	Bangar Enterprises Limited			

Year	Name of Owner	Description of Property Use	Property Use	Other observations from historical sources
1980 - 1985	Bangar Enterprises Limited	Southern portion of Site is the northern portion of the existing Dumauiier commercial plaza present at the Property.	Commercial Use	Title search indicates a commercial lease registered at the Property in 1980. Research and interviews with individuals familiar with the Property history indicated that commercial operations have been present at the Property since the early 1980's. Aerial photographs from 1991 to 2019 show the presence of the north portion of Dumauiier Plaza at the Property.
1985 - 1986	Katila Enterprises Ltd.			
1986 - 1989	Bhag Karamchandani and Peter Pecora			
1989 - 1997	Bhag Karamchandani			
October 1, 1997 to Present	1248816 Ontario Inc.			

b) Potentially Contaminating Activity

One Potentially Contaminating Activity was identified at the Phase One Property and is summarized in Table 5 below.

Table 5: Potentially Contaminating Activities at the Phase One Property

PCA Report Reference No.	Potentially Contaminating Activity	Location
1	Former Waste Disposal Site (O.Reg. 153/04 PCA Item 58: Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners)	North portion of the Phase One Property and neighbouring lands to the north and east.

Additionally, two PCAs were identified at properties in the Phase One Study Area and are summarized in Table 6 below.

Table 6: Potentially Contaminating Activities in the Phase One Study Area

PCA Report Reference No.	Potentially Contaminating Activity	Location
2	Active automotive service garage (O.Reg. 153/04 PCA Item 52: Storage, Maintenance, Fuelling and Repair of Equipment, Vehicles, and Material used to Maintain Transportation Systems)	1037 Pinecrest Road, located approximately 200 m east
3	Former retail fuel outlet (O.Reg. 153/04 PCA Item 28: Gasoline and Associated Products Storage in Fixed Tanks)	1037 Pinecrest Road, located approximately 200 m east

The PCAs at properties within the Phase One Study Area are located significant distances and/or at down- or cross-gradient orientations with respect to the Phase One Property and are not considered to represent APECs for the Phase One Property.

c) Areas of Potential Environmental Concern

One PCA was identified at the Property and is considered to an represent APEC for the Phase One Property and are summarized in Table 7 below.

Table 7: Areas of Potential Environmental Concern

APEC Report Reference No.	Location of APEC on Phase One Property	PCA	Location of PCA (on-site or off-site)	Contaminants of Potential Concern	Media Potentially Impacted (Groundwater, soil and/or Sediment)
1	North portion of the Phase One Property	PCA Item 58: Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners)	North portion of the Phase One Property and neighbouring lands to the north and east.	Volatile Organic Compounds (Groundwater Only) Metals Polycyclic Aromatic Hydrocarbons (PAHs) Petroleum Hydrocarbons (PHCs) / Benzene, Toluene, Ethylbenzene, Xylenes (BTEXs)	Soil Groundwater

The presence of a former waste disposal site on the north portion of the Phase One Property (PCA #1) is a significant PCA which represents APEC #1 for the Property. Given that reports were provided which document remnant PHC/BTEXs groundwater contamination and that waste fill material has been observed in boreholes on the north portion of the Property, the Property is not in compliance with the Soil, Groundwater and Sediment Standards for use under Part XV.1 of the Environmental Protection Act, which are also for consideration of O.Reg. 153/04.

The contaminants of potential concern (CPCs) associated with the former waste disposal site are VOCs (for groundwater only), metals, PAHs and PHCs/BTEXs. An investigation of the soil and groundwater quality with respect to these CPCs at the Property was completed by others in 2019.

Given that a PCA, interpreted as an APEC was identified on the Phase One Property, the uncertainty or absence of information obtained in each of the components of the Phase One ESA is not considered to affect the conclusions.

d) Phase One Conceptual Site Model

Three Figures are provided to visually depict the Conceptual Site Model. Figure 1: Key Plan shows the location of the Phase One Property within the City of Ottawa. Figure 2: Site Plan depicts the current structures and environmentally significant features at the Phase One Property; this figure is provided with an overlay of the 2019 aerial imagery, which depicts the current general conditions of the Phase One Property. Figure 3: Surrounding Land Use shows the current uses of properties in the Phase One Study Area, location of PCAs and the location of the APEC.

The Phase One Property is located at Civic No. 2829 Dumaaurier Avenue, Ottawa, Ontario and has an approximate area of 4,200 m² (0.42 Hectares).

The Phase One Property was unoccupied prior to the mid 1950's when it is reported that the City of Ottawa operated a waste disposal site on the north portion of the Phase One Property and adjacent lands to the north and east from approximately 1953 to 1957. The south portion of the Property was developed circa 1980, in conjunction with adjacent land to the south, with the present day commercial Dumaaurier Plaza. The north portion of the Property, which is elevated approximately 1 to 2 meters above the south portion of the Property, is landscaped. The remaining undeveloped areas of the Phase One Property are paved with asphalt and used for access or parking.

The Property is currently used for commercial purposes and is zoned for mixed use. 1248816 Ontario Inc. is the current registered owner of the Property, with a vendor take back agreement signed in 2018 for ownership to transfer to 3223701 Canada Inc. (Brigil) by July 2023 and it is understood that the intended future use is for residential purposes, with possible commercial use on the ground floor. The Phase One Property is immediately surrounded by the adjoining south portion of Dumaaurier Plaza to the south, a municipal Right-of-Way followed by Dumaaurier Park to the east, by institutional properties to the north, and by residential properties to the west.

The Phase One Study Area includes the Phase One Property and properties with their boundaries within 250 m of the Phase One Property limits. Based on a review of the Phase One Property and properties in the Phase One Study Area, their associated historical and/or current uses and operations and physical characteristics of the Phase One Study Area, it was determined that an assessment of properties within 250 m of the Phase One property was sufficient to meet the objectives of the scope of this investigation for a Phase One ESA.

No water bodies or areas of natural significance are located at the Phase One Property or in the Phase One Study Area. No drinking water wells are located at the Phase One Property and the Phase One Study Area is serviced by municipally treated non-potable water. Up to seven monitoring wells and three vapour probes exist at the Property. Two of the existing groundwater monitoring wells and three vapour probes were present at the Phase One Property

at the time of the Site Inspection; the locations of these wells and probes are presented on Figure 2.

The local regional topography in the Phase One Study Area is undulating but generally slopes downward to the south. Regionally, the topography slopes downward to the northwest, toward the Ottawa River. The north portion of the Phase One Property is elevated approximately 2 m with respect to the south portion of the Property. The Ottawa River is located approximately 1.3 km northwest of the Phase One Property.

Based on the historical research, the general stratigraphy of the Phase One Property and Phase One Study Area consists of sand and gravel fill, underlain by silty clay, followed by silty sand. The overburden soil is underlain by interbedded shale and dolostone bedrock. Groundwater is expected at a depth of approximately 2 to 6 m BGS and to flow in a predominantly south direction.

The presence of a former waste disposal site (PCA#1) on the north portion of the Phase One Property is a significant PCA which represents APEC #1 for the Property. Given that reports were provided which document PHC groundwater contamination and that waste fill material has been observed in boreholes on the north portion of the Property, the Property is not in compliance with the Soil, Groundwater and Sediment Standards for use under Part XV.1 of the Environmental Protection Act, which are also for consideration of O.Reg. 153/04.

The contaminants of potential concern (CPCs) associated with the former waste disposal site are VOCs (for groundwater only), metals, PAHs and PHCs/BTEXs. An investigation of the soil and groundwater quality with respect to these CPCs at the Property was completed by others in 2019.

One active automotive service garage and a historical retail fuel outlet are located at neighbouring properties in the Phase One Study Area and constitute PCA#2 and PCA#3, respectively. The PCAs at neighbouring properties in the Phase One Study Area are located significant distances and/or at cross-gradient orientations with respect to the Phase One Property and are not considered to represent APECs for the Phase One Property.

Underground utility service trenches are present at the Phase One Property. The underground utility corridors have the potential to affect contaminant distribution and transport, as they would create preferential pathways for lateral migration. It should be noted that the groundwater table is expected to be present at greater depths than underground utility service trenches at the Property, therefore it is not suspected that significant migration of contaminants has occurred through underground utility corridors.

Given that a PCA, interpreted as an APEC was identified at the Phase One Property, any uncertainty or absence of information obtained in the components of this Phase One ESA are not expected to affect the validity of the conclusions or conceptual site model.

8. Conclusions

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

The presence of a former waste disposal site on the north portion of the Phase One Property is a significant PCA which represents an APEC for the Property. Given that reports were provided which document remnant PHC/BTEXs groundwater contamination and that waste fill material has been observed in boreholes on the north portion of the Property, the Property is not in compliance with the Soil, Groundwater and Sediment Standards for use under Part XV.1 of the Environmental Protection Act, which are also for consideration of O.Reg. 153/04.

The contaminants of potential concern (CPCs) associated with the former waste disposal site are VOCs (for groundwater only), metals, PAHs and PHCs/BTEXs. An investigation of the soil and groundwater quality with respect to these CPCs at the Property was completed by others in 2019.

Based on the identification of an APEC at the Phase One Property, a Phase Two Environmental Site Assessment is required to assess the soil and/or groundwater quality in the vicinity of the APEC.

ii. Record of Site Condition Based on Phase One Environmental Site Assessment Alone

A Phase Two Environmental Site Assessment is required as part of a submission for a record of site condition (RSC). A RSC may not be submitted based on a Phase One ESA alone.

O.Reg. 153/04 stipulates that reports being used to support the filing of a RSC must be done no later than 18 months before the submission of a RSC. Given that a recent (2019) Phase Two ESA report has been prepared for the Phase One Property, and because it is not anticipated that remediation of the Phase One ESA property will be completed and an RSC submission will not be completed in the next 18 months, it is recommended that an additional Phase Two ESA study, which is anticipated to include documentation of remediation and be used to support a RSC submission, take place in conjunction with redevelopment of the Phase One Property.

iii. Signatures

The Qualified Person for this study is Mr. Luke Lopers, P. Eng. Mr. Lopers is a Professional Engineer registered in Ontario since 2012 and has been working on environmental site assessments since 2006. Mr. Lopers has been an author, project manager and/or peer reviewer for hundreds of Phase One ESAs and Phase Two ESAs as well as previously filed RSCs

The reviewer for this study is Mr. Don Plenderleith, P.Eng. Mr. Plenderleith is a Professional Engineer registered in Ontario since 1994 and has authored and/or reviewed hundreds of Phase One and Two ESAs in Ontario and the rest of Canada. The qualifications of the assessor/Qualified Person and reviewer are included in Appendix K.

Sincerely,



Luke Lopers, P.Eng., QP_{ESA}



Don Plenderleith, P.Eng., QP_{ESA}

iv. Limitations

The findings and conclusions of this Phase One ESA are based on the information provided and/or reviewed as part of this study.

This Phase One ESA has been completed with the standard of care generally expected in the industry for a study of this nature.

This Phase One ESA has been prepared for the sole use of 3223701 Canada Inc. for the purposes of a due diligence assessment of the potential liabilities which may exist at the Phase One Property. No other party is permitted to rely on the conclusions or findings of this report without the written consent of Lopers & Associates and 3223701 Canada Inc.

There were no portions of the Phase One Property which were inaccessible, or components of this ESA where insufficient information was available to complete the interpretation.

Changes to the physical setting of the Phase One Property, Phase One Study Area and applicable regulations governing Phase One Environmental Site Assessments have the potential to influence the validity of the conclusions and opinions presented in this Phase One ESA.

9. References

Legal Survey Plan, Annis, O'Sullivan, Vollebekk Ltd., dated November 20, 2000.

City of Ottawa, geoOttawa GIS mapping tool, Visited July through November, 2020.

<http://maps.ottawa.ca/geoottawa/>

City of Ottawa, Development Applications website, Visited January 7, 2021.

<http://ottwatch.ca/devapps?since=999>

Google Earth, Visited July through November, 2020.

Current Site Development Design Concept Plan, RLA Architecture, dated February 20, 2020 and Brigil, dated April 30, 2020.

"Phase I Environmental Site Assessment, 2831, 2833, 2835, 2841 and 2865 Dumaaurier Avenue, Ottawa, Ontario", dated August 16, 2018, completed by GHD Limited for 3223701 Canada Inc.

"Phase II Environmental Site Assessment, 2831, 2833, 2835, 2841 and 2865 Dumaaurier Avenue, Ottawa, Ontario", dated April 2, 2019, completed by GHD Limited for 3223701 Canada Inc.

"Geotechnical Investigation, Proposed Hi-Rise Building, 2829 Dumaaurier Avenue, Ottawa, Ontario", dated December 18, 2019, completed by Paterson Group Inc. for 3223701 Canada Inc.

"Methane Gas Detection Monitoring Program (2015-2019), Dumaaurier Plaza - 2829 Dumaaurier Avenue, Closed Pinecrest Landfill Site, Ottawa, Ontario", dated August 26, 2020, completed by Wood Canada Limited for 1248816 Ontario Inc.

National Pollutant Release Inventory – Environmental Climate Change Canada online website, visited November 26, 2020. <https://www.canada.ca/en/services/environment/pollution-waste-management/national-pollutant-release-inventory.html>

"Ontario Inventory of PCB Storage Sites", Ministry of Environment and Energy, dated January 1993.

"Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario, Volume II", produced by Intera Technologies Ltd. For the Ontario Ministry of the Environment, dated July 1988.

"Waste Disposal Site Inventory", produced by the Ontario Ministry of the Environment, dated June 1991.

"Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario, Volume II", produced by Intera Technologies Ltd. For the Ontario Ministry of the Environment, dated July 1988.

“Old Landfill Management Strategy, Phase 1 – Identification of Sites, City of Ottawa, Ontario”, produced by Golder Associates Ltd., Dated October 2004.

Ministry of Environment, Conservation and Parks, Environmental Site Registry website, Visited November 26, 2020.

<https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDetail?submissionId=226318>

Ministry of Natural Resources and Forestry, Ontario GeoHub website, Visited November 26, 2020.

https://geohub.lio.gov.on.ca/datasets/b88037cdb71e4daf9445afa6fb999194_3?geometry=-75.706%2C45.443%2C-75.543%2C45.464

Ministry of Natural Resources and Forestry, Make a Topographic Map website, Visited November 26, 2020.

<https://www.gisapplication.lrc.gov.on.ca/matm/Index.html?site=Make A Topographic Map&viewer=MATM&locale=en-US>

Ministry of Environment, Conservation and Parks, Water Well Records database website, Visited November 26, 2020. <https://www.ontario.ca/environment-and-energy/map-well-records>

10. Appendices

Appendix A – Legal Survey Plan

Appendix B – Site Development Design Concept Plan

Appendix C – Environmental Chain of Title prepared by READ Abstracts Limited

Appendix D – Environmental Risk Information Systems (ERIS) database Search

Appendix E – Ministry of Environment, Conservation and Parks Freedom of Information (FOI) Request

Appendix F – Technical Standards and Safety Association Correspondence

Appendix G – City of Ottawa Historic Land Use Inventory (HLUI)

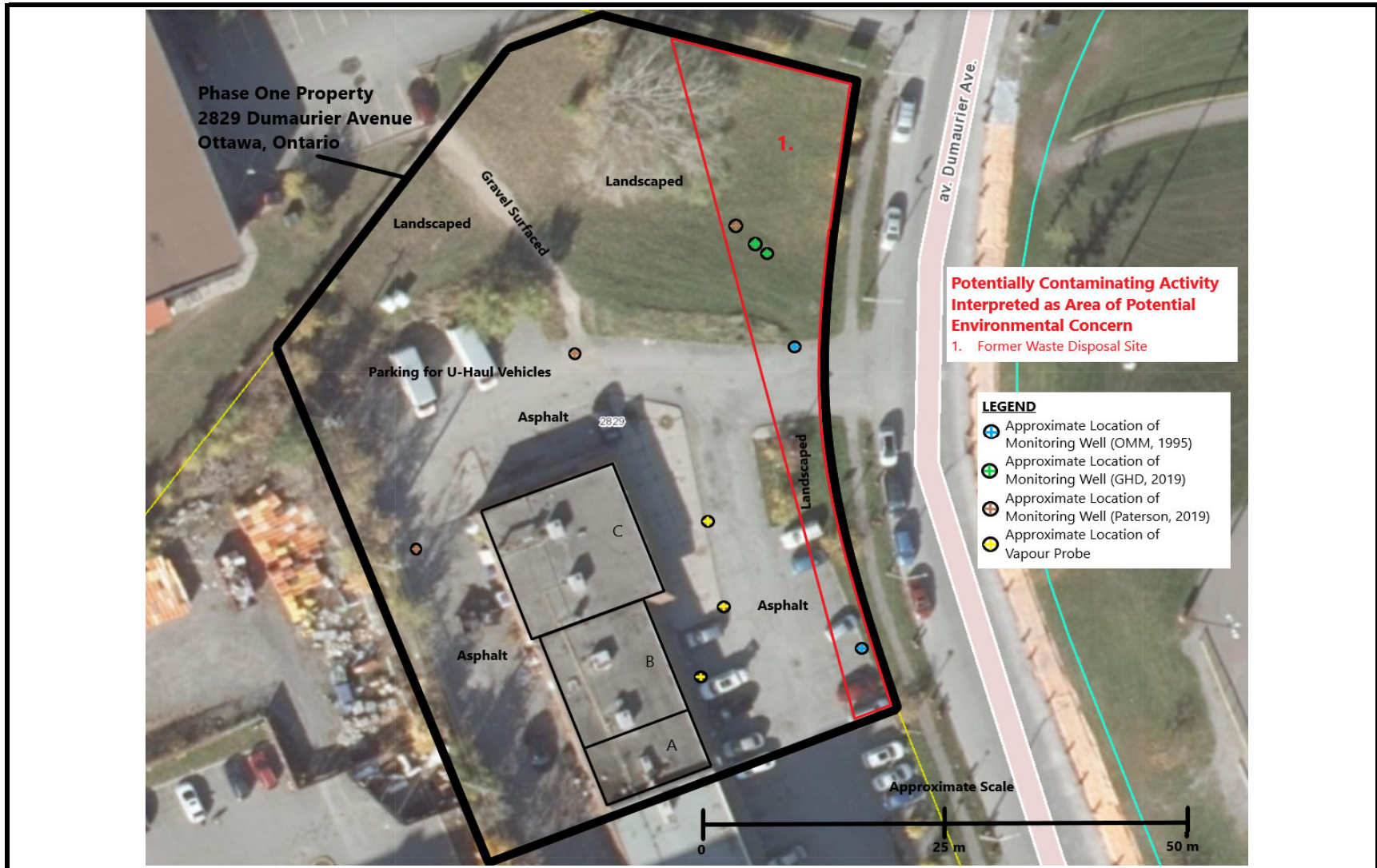
Appendix H – Aerial Photographs

Appendix I – Topographic Map

Appendix J – Photographic Log

Appendix K – Qualifications of Assessors

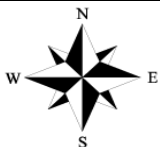
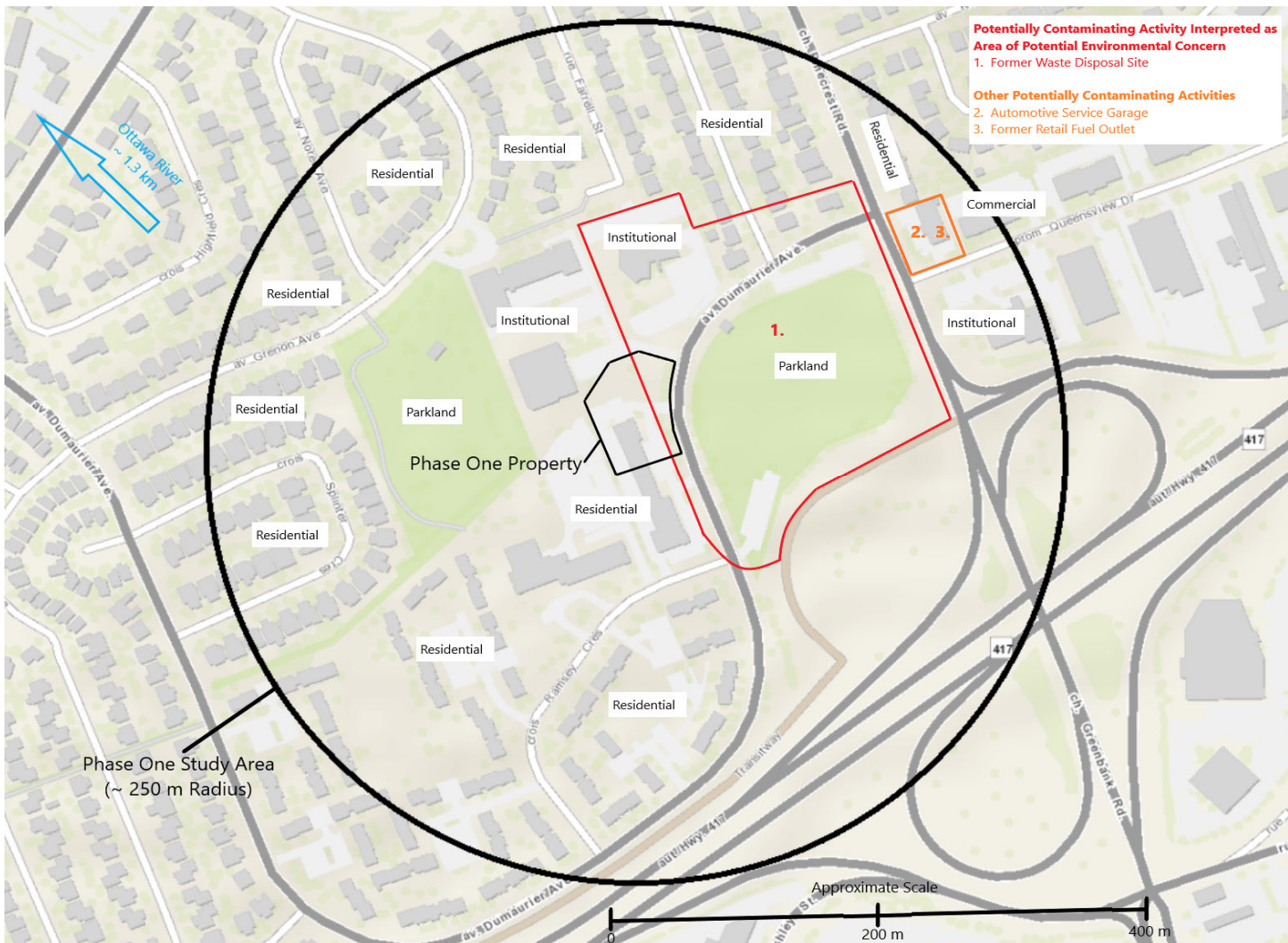
Figures



LOPERS & ASSOCIATES

Figure 2: Site Plan
Phase One Environmental Site Assessment
2829 Dumaurier Avenue, Ottawa, Ontario
3223701 Canada Inc.

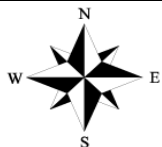
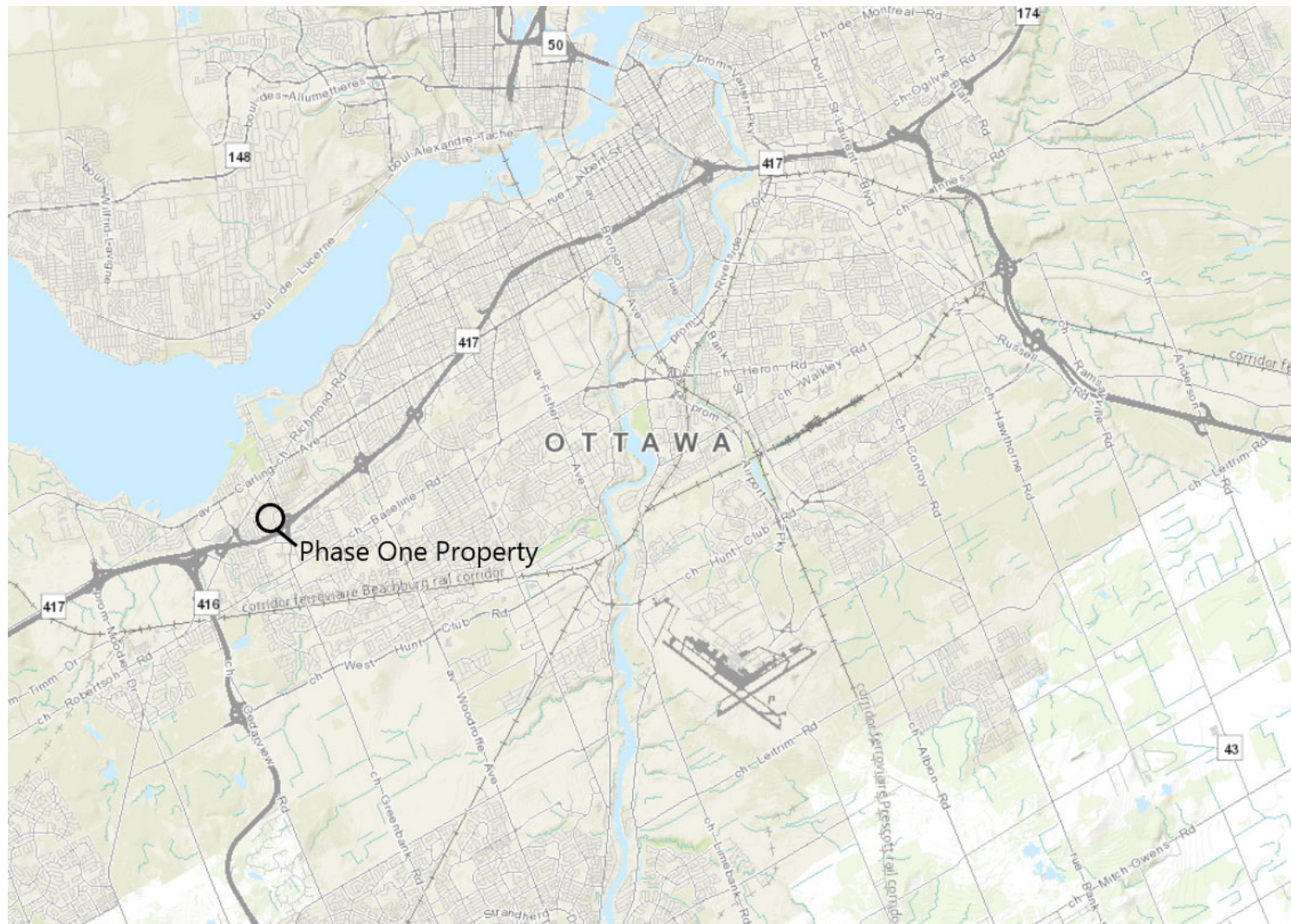
Project Reference No: LOP20-004
 Drawing No.: LOP20-004-2
 Date: January 8, 2021
 Author: L. Lopers
 Source: geoOttawa, 2019 Aerial Imagery



LOPERS & ASSOCIATES

Figure 3: Surrounding Land Use
 Phase One Environmental Site Assessment
 2829 Dumaurier Avenue, Ottawa, Ontario
 3223701 Canada Inc.

Project Reference No: LOP20-004
 Drawing No.: LOP20-004-3
 Date: January 8, 2021
 Author: L. Lopers
 Source: geoOttawa, Base Mapping



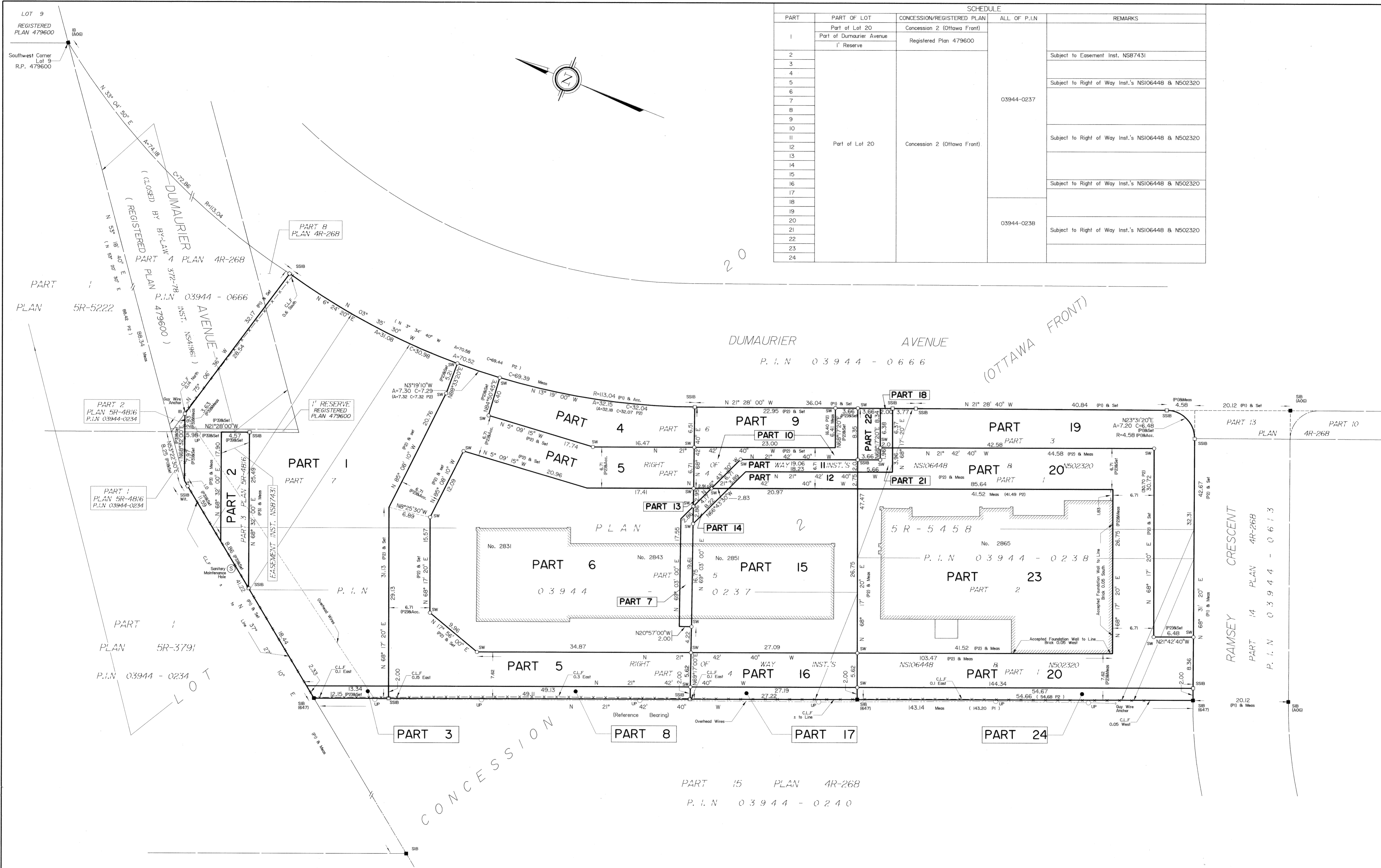
LOPERS & ASSOCIATES

Figure 1: Key Plan
 Phase One Environmental Site Assessment
 2829 Dumauiet Avenue, Ottawa, Ontario
 3223701 Canada Inc.

Project Reference No: LOP20-004
 Drawing No.: LOP20-004-1
 Date: January 8, 2021
 Author: L. Lopers
 Source: geoOttawa, Base Mapping

Appendix A

Legal Survey Plan



SCHEDULE			
PART	PART OF LOT	CONCESSION/REGISTERED PLAN	ALL OF P.I.N
1	Part of Lot 20	Concession 2 (Ottawa Front)	03944-0237
2	Part of Dumaurier Avenue	Registered Plan 479600	
3	1' Reserve		
4			
5			
6			
7			
8			
9			
10			
11			
12	Part of Lot 20	Concession 2 (Ottawa Front)	03944-0238
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			

I REQUIRE THIS PLAN TO BE DEPOSITED UNDER THE LAND TITLES ACT.
 DATE Nov 20, 2000
 RECEIVED AND DEPOSITED DATED Nov 20th 2000
 V. ANDREW SHELPE
 ONTARIO LAND SURVEYOR
 LAND REGISTRAR FOR THE LAND TITLES DIVISION OF OTTAWA-CARLETON NO. 4.

PLAN OF SURVEY OF
PART OF LOT 20
CONCESSION 2 (Ottawa Front)
 Township of Nepean
 NOW CITY OF OTTAWA
PART OF DUMAURIER AVENUE
 (As Closed by By-Law 372-78 Inst. NS41961)
AND PART OF THE 1' RESERVE
 REGISTERED PLAN 479600
 CITY OF OTTAWA

REGIONAL MUNICIPALITY OF OTTAWA-CARLETON
 Surveyed by
ANNIS, O'SULLIVAN, VOLLEBEKK LTD.

Scale 1 : 300
 Metric
 DISTANCES SHOWN ON THIS PLAN ARE IN METRES AND CAN BE CONVERTED TO FEET BY DIVIDING BY 0.3048

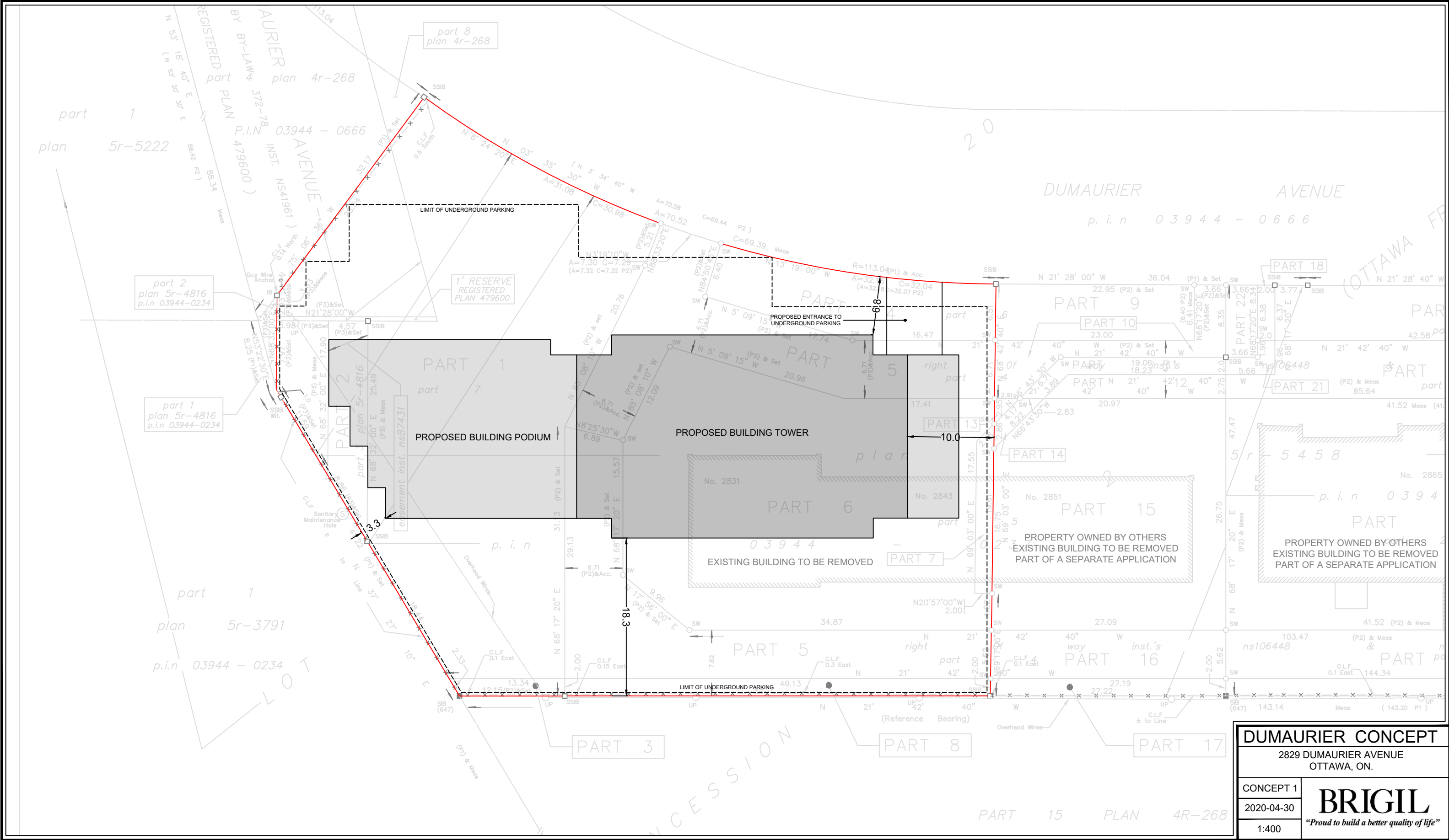
Surveyor's Certificate
 I CERTIFY THAT:
 1. This survey and plan are correct and in accordance with The Surveys Act, The Surveyors Act and The Land Titles Act and the regulations made under them.
 2. The survey was completed on October 27, 2000
 Date Nov 20 2000
 V. ANDREW SHELPE
 ONTARIO LAND SURVEYOR

Notes & Legend
 □ Denotes Survey Monument Planted.
 ■ " " Survey Monument Found.
 SIB " " Standard Iron Bar.
 SSB " " Short Standard Iron Bar.
 IB " " Iron Bar.
 SW " " Spike & Washer in Asphalt
 Wit. " " Witness
 (P1) " " Plan 4R-268
 (P2) " " Plan 5R-5458
 (P3) " " Plan 5R-4816
 (AOG) " " Annis, O'Sullivan, Vollebekk Ltd.
 C.L.F. " " Chain Link Fence
 UP " " Utility Pole

Bearings are astronomic derived from the westerly limit of Plan 5R-5458 shown to be N21°42'40"W thereon.

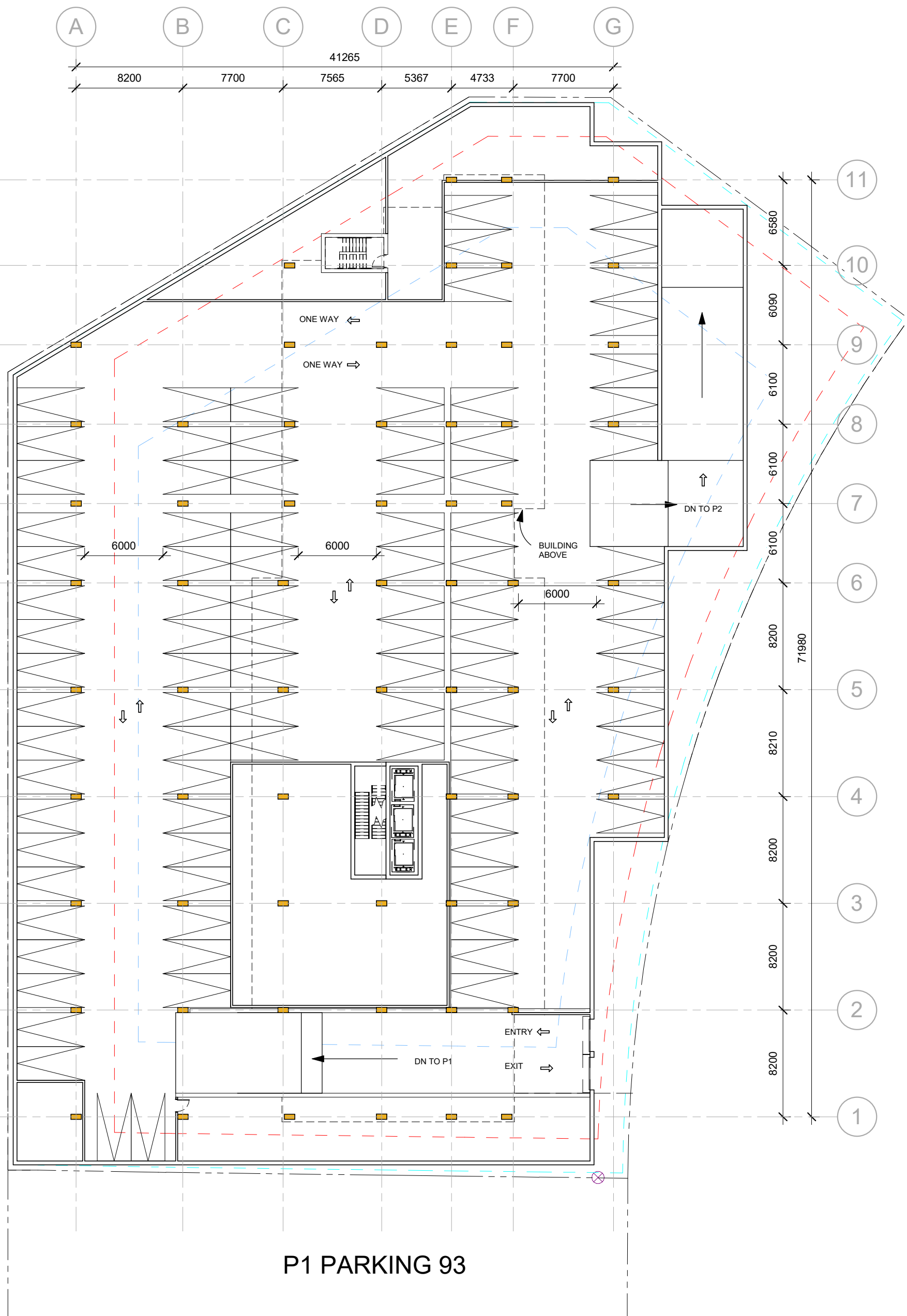
Appendix B

Current Proposed Design Concept Plan

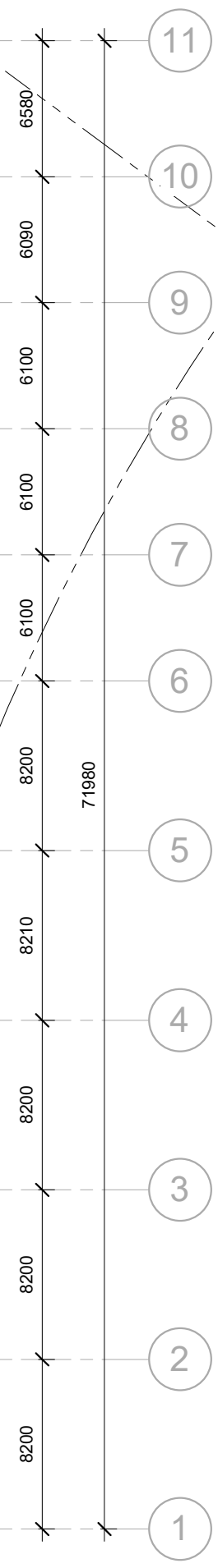
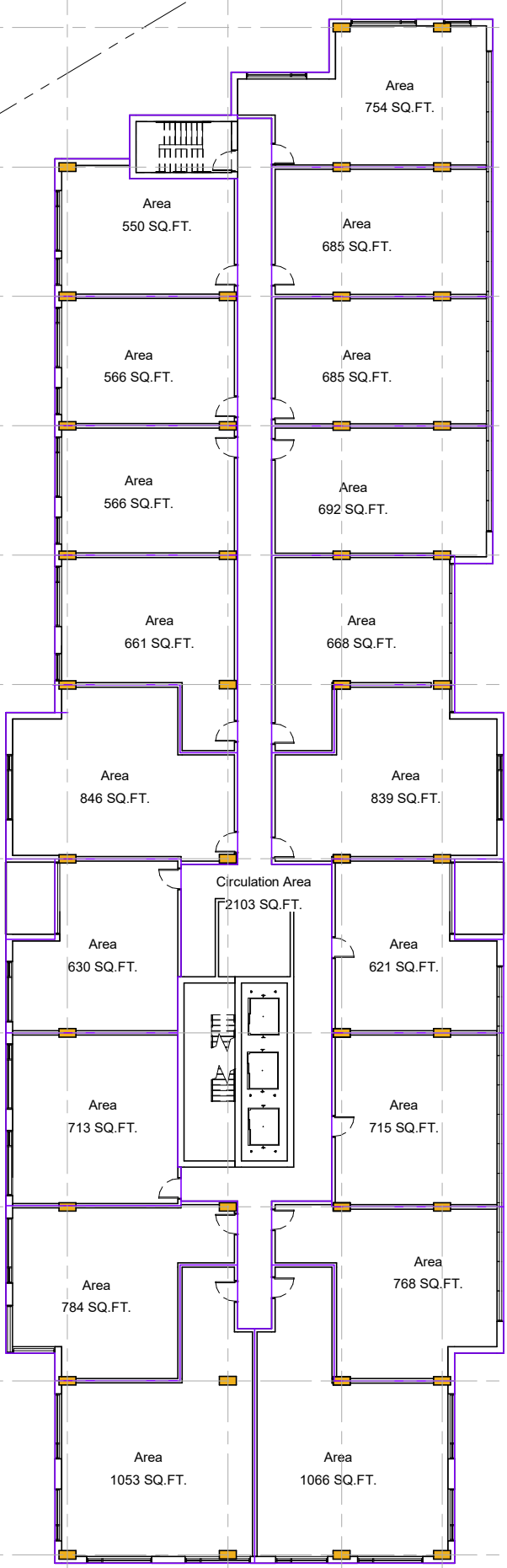
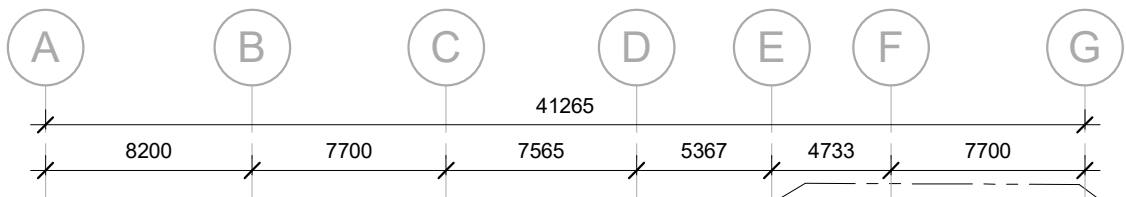


DUMAUER CONCEPT	
2829 DUMAUER AVENUE OTTAWA, ON.	
CONCEPT 1	BRIGIL "Proud to build a better quality of life"
2020-04-30	
1:400	

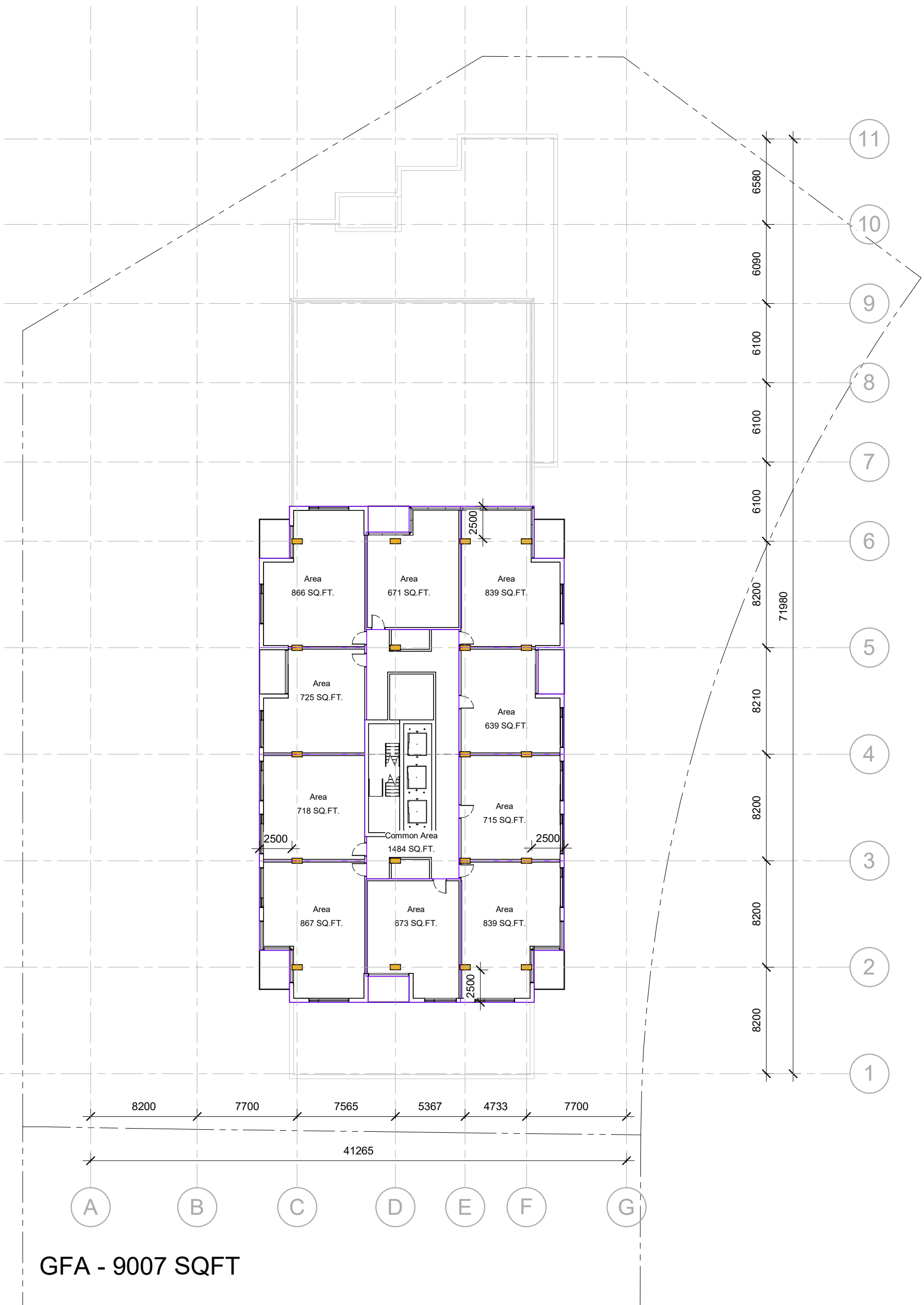
PART 15 PLAN 4R-268



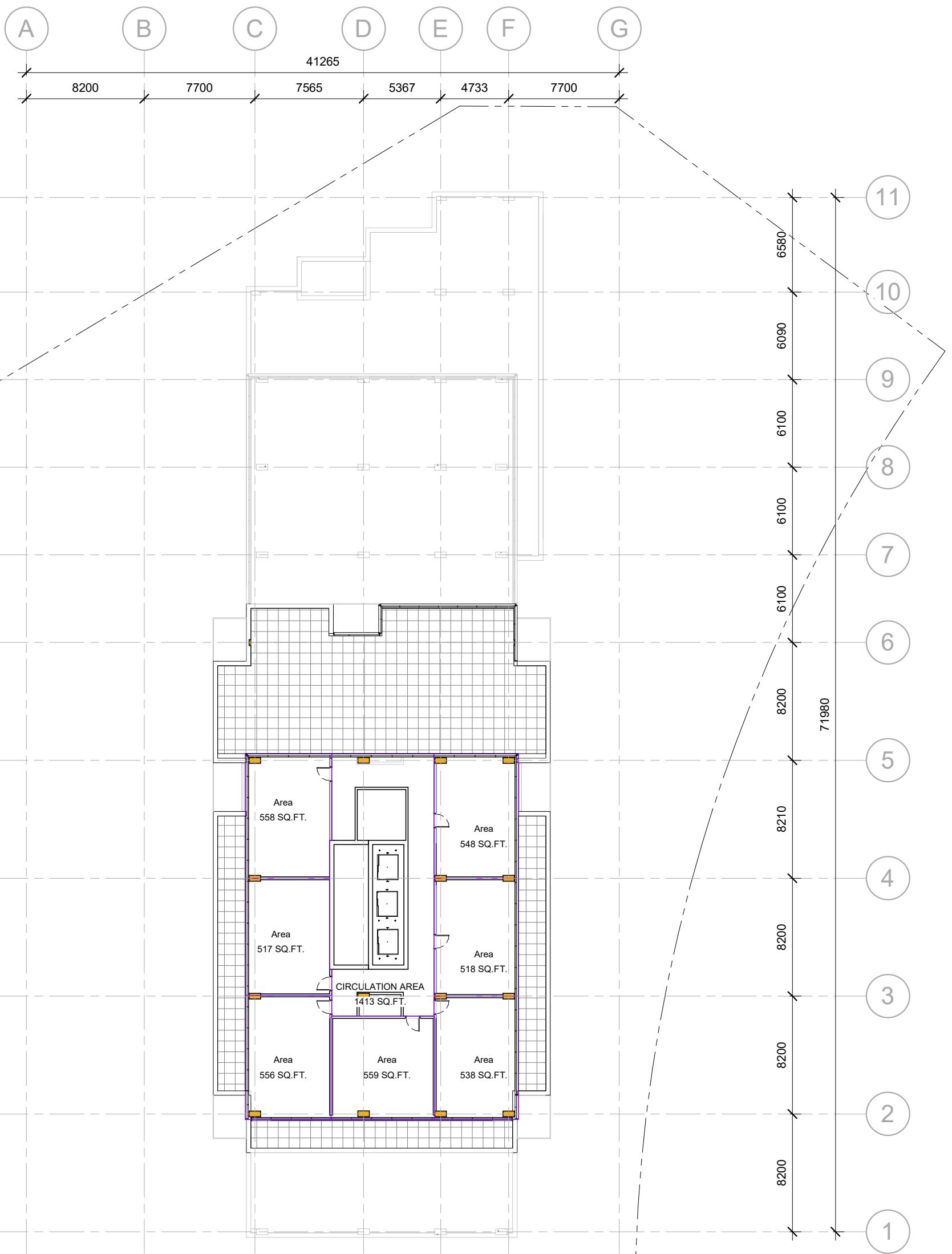
P1 PARKING 93



GFA - 15985 SQFT



GFA - 9007 SQFT



GFA - 5222 SQ.FT



PERSPECTIVE VIEW
SCALE

27/02/2020

DUMAURIER

2829 DUMAURIER AVE, OTTAWA, ON

D003



Appendix C

Chain of Title



READ Abstracts Limited

331 Cooper Street, Suite 300, Ottawa, Ontario K2P 0A4

Email: search@readsearch.com

Tel.: 613-236-0664

Fax: 613-236-3677

ENVIRONMENTAL SEARCH

Lopers & Associates

Attn: Luke

BRIEF DESCRIPTION OF LAND:

2829 Dumaaurier Ave., Ottawa

Part of Lot 20, Concession 2 OF Nepean, parts 1 to 8 4R16235;

Part of Lot 20, Concession 2 OF Nepean and Part Dumaaurier Ave. and one foot reserve,
Plan 479600, Parts 1 to 8 4R16235.

PIN: 03944-0827

LAST REGISTERED OWNER:

1248816 Ontario Inc.

(PIN 0827)

CHAIN OF TITLE:

Deed RO319 registered Nov 4, 1831

From Ira Honeywell to Ed. Watson

Deed RO3452 registered Feb 10, 1846

From Henry Hare to Robert Hare

Deed NP3308 registered Feb 1, 1875

From Martin Wholeban to Flynn Joseph

Deed NP4997 registered Feb 7, 1877

From Joseph Flynn to Isaac Munson

Deed NP7159 registered Feb 22, 1881

From Isaac Munson to Harriet Mosgrove

Will NP9873 registered Jun 12, 1884

From Ed. Watson to Ed Watson

Deed NP12046 registered Nov 5, 1887

From Robert Hare to Albert Edward Hare

Deed NP21273 registered Dec 28, 1906
From Toronto General Trust Corporation administrators of the estate of Harriet Mosgrove to William G. M. Mosgrove

Deed NP36771 registered Jul 24, 1923
From William G. M. Mosgrove to George Lark

Deed NP39243 registered Apr 15, 1926
From estate of Edward Watson to Elizabeth Viens

Deed NP41971 registered Apr 15, 1930
From George Lark to Richard R. Foster

Deed NP43209 registered May 27, 1932
From estate of Mary J. Hare (Albert Edward Hare) to Richard R. Foster

Deed CR364547 registered Oct 7, 1957
From Willibald Viens and Kathleen Viens executors of the estate of Elizabeth Viens to Campeau Construction Company Ltd.

Deed CR554466 registered Feb 3, 1969
From Elwyn G. Foster and Earl C. Foster executors of the estate of Richard R. Foster to Catkey Construction (Ottawa) Limited

Deed CR596415 registered Aug 16, 1971
From Campeau Corporation Limited to The Corporation of the City of Ottawa

Deed CR603981 registered Dec 28, 1971
From The Corporation of the City of Ottawa to Catkey Construction (Ottawa) Limited

Deed CR635810 registered Jul 30, 1973
From Catkey Construction (Ottawa) Limited to Noren Construction Company Limited

Deed CR676742 registered Aug 25, 1975
From Noren Construction Company Limited to Bangar Enterprises Limited

Lease NS92283 registered Jul 29, 1980
From Bangar Enterprises Limited to D.A.P.I. Limited

Deed N285435 registered May 2, 1985
From Bangar Enterprises Limited to Katila Enterprises Ltd.

Deed N363360 registered Nov 6, 1986
From Katila Enterprises Ltd. To Bhag Karamchandani and Peter Pecora

Deed N502320 registered Sep 1, 1989

From Bhag Karamchandani and Peter Pecora to Bhag Karamchandani

Power of Sale LT1078867 registered Oct 1, 1997 (re: Bhag Karamchandani)

From Business Development Bank of Canada to 1248816 Ontario Inc.

Appendix D

Environmental Risk Information Systems (ERIS) database Search



DATABASE REPORT

Project Property: *Phase One Environmental Site Assessment
2829 Dumaier Avenue
Ottawa ON K2B*

Project No: *LOP20-004*

Report Type: *Standard Report*

Order No: *20200716215*

Requested by: *Lopers & Associates*

Date Completed: *July 21, 2020*

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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: *Phase One Environmental Site Assessment
2829 Dumauiier Avenue Ottawa ON K2B*

Project No: *LOP20-004*

Coordinates:

Latitude: *45.3504161*
Longitude: *-75.7933954*
UTM Northing: *5,022,184.52*
UTM Easting: *437,850.66*
UTM Zone: *18T*

Elevation: *239 FT
72.96 M*

Order Information:

Order No: *20200716215*
Date Requested: *July 16, 2020*
Requested by: *Lopers & Associates*
Report Type: *Standard Report*

Historical/Products:

Executive Summary: Report Summary

<i>Database</i>	<i>Name</i>	<i>Searched</i>	<i>Project Property</i>	<i>Within 0.25 km</i>	<i>Total</i>
AAGR	<i>Abandoned Aggregate Inventory</i>	Y	0	0	0
AGR	<i>Aggregate Inventory</i>	Y	0	0	0
AMIS	<i>Abandoned Mine Information System</i>	Y	0	0	0
ANDR	<i>Anderson's Waste Disposal Sites</i>	Y	0	1	1
AST	<i>Aboveground Storage Tanks</i>	Y	0	0	0
AUWR	<i>Automobile Wrecking & Supplies</i>	Y	0	0	0
BORE	<i>Borehole</i>	Y	0	2	2
CA	<i>Certificates of Approval</i>	Y	0	2	2
CDRY	<i>Dry Cleaning Facilities</i>	Y	0	0	0
CFOT	<i>Commercial Fuel Oil Tanks</i>	Y	0	0	0
CHEM	<i>Chemical Register</i>	Y	0	0	0
CNG	<i>Compressed Natural Gas Stations</i>	Y	0	0	0
COAL	<i>Inventory of Coal Gasification Plants and Coal Tar Sites</i>	Y	0	0	0
CONV	<i>Compliance and Convictions</i>	Y	0	0	0
CPU	<i>Certificates of Property Use</i>	Y	0	0	0
DRL	<i>Drill Hole Database</i>	Y	0	0	0
EASR	<i>Environmental Activity and Sector Registry</i>	Y	0	0	0
EBR	<i>Environmental Registry</i>	Y	0	0	0
ECA	<i>Environmental Compliance Approval</i>	Y	0	3	3
EEM	<i>Environmental Effects Monitoring</i>	Y	0	0	0
EHS	<i>ERIS Historical Searches</i>	Y	0	3	3
EIIS	<i>Environmental Issues Inventory System</i>	Y	0	0	0
EMHE	<i>Emergency Management Historical Event</i>	Y	0	0	0
EPAR	<i>Environmental Penalty Annual Report</i>	Y	0	0	0
EXP	<i>List of Expired Fuels Safety Facilities</i>	Y	0	0	0
FCON	<i>Federal Convictions</i>	Y	0	0	0
FCS	<i>Contaminated Sites on Federal Land</i>	Y	0	0	0
FOFT	<i>Fisheries & Oceans Fuel Tanks</i>	Y	0	0	0
FRST	<i>Federal Identification Registry for Storage Tank Systems (FIRSTS)</i>	Y	0	0	0
FST	<i>Fuel Storage Tank</i>	Y	0	0	0
FSTH	<i>Fuel Storage Tank - Historic</i>	Y	0	0	0
GEN	<i>Ontario Regulation 347 Waste Generators Summary</i>	Y	0	4	4
GHG	<i>Greenhouse Gas Emissions from Large Facilities</i>	Y	0	0	0
HINC	<i>TSSA Historic Incidents</i>	Y	0	1	1
IAFT	<i>Indian & Northern Affairs Fuel Tanks</i>	Y	0	0	0
INC	<i>Fuel Oil Spills and Leaks</i>	Y	0	0	0

Database	Name	Searched	Project Property	Within 0.25 km	Total
LIMO	Landfill Inventory Management Ontario	Y	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0
NCPL	Non-Compliance Reports	Y	0	0	0
NDFT	National Defense & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defense & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
NEBI	National Energy Board Pipeline Incidents	Y	0	0	0
NEBP	National Energy Board Wells	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	0	0
NPRI	National Pollutant Release Inventory	Y	0	0	0
OGWE	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	4	4
PINC	Pipeline Incidents	Y	0	0	0
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0
PTTW	Permit to Take Water	Y	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	0	0
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	0	0
SPL	Ontario Spills	Y	0	2	2
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	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	1	1
WWIS	Water Well Information System	Y	0	1	1
Total:			0	24	24

Executive Summary: Site Report Summary - Project Property

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

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

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
1	WDSH		Pinecrest Rd. & DuMaurier Ave. OTTAWA ON	SE/20.4	-0.90	16
2	ANDR	Pinecrest & DuMaurier Dump	Ottawa ON K2B	ESE/36.6	-1.08	16
3	PES	GIANT TIGER STORE # 22 - ISHIKO LIMITED	2865 DUMAURIER AVE OTTAWA ON K2B7W3	S/38.6	-0.90	17
3	PES	GIANT TIGER STORE # 22 - ISHIKO LIMITED	2865 DUMAURIER AVE OTTAWA ON K2B 7W3	S/38.6	-0.90	17
3	PES	GIANT TIGER STORE # 22 - ISHIKO LIMITED	2865 DUMAURIER AVE OTTAWA ON K2B 7W3	S/38.6	-0.90	17
3	EHS		2865 Dumaurier Ave Ottawa ON K2B7W3	S/38.6	-0.90	18
4	EHS		2865 Dumaurier Avenue Ottawa ON K2B 7W3	SSE/38.6	-0.90	18
4	PES	GIANT TIGER STORE # 22 - ISHIKO LIMITED	2865 DUMAURIER AVE OTTAWA ON K2B7W3	SSE/38.6	-0.90	18
5	ECA	City of Ottawa	Bayshore Transit Station to Pinecrest Road Ottawa ON K1P 1J1	SE/92.2	-2.08	19
5	ECA	City of Ottawa	Bayshore Transit Station to Pinecrest Road Ottawa ON K1P 1J1	SE/92.2	-2.08	19
6	EHS		2825 Dumaurier Ave. Ottawa ON K2B 7W3	NNW/103.5	2.92	19
7	SPL	UNKNOWN	1065 RAMSEY CRESC., OTTAWA/CARLETON REGIONAL HOUSING AUTHORITY COMPLEX. OTTAWA CITY ON K2B 8A1	SW/108.1	0.00	19

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
7	CA	Ottawa Community Housing Corporation	1065 Ramsey Crescent Ottawa ON	SW/108.1	0.00	20
7	ECA	Ottawa Community Housing Corporation	1065 Ramsey Crescent Ottawa ON K1H 1A9	SW/108.1	0.00	20
7	GEN	PSL MECHANICAL	1065 Ramsay Cres Ottawa ON K2B 7Z8	SW/108.1	0.00	20
8	GEN	CONSEIL SCOLAIRE DE LANGUE FRANCAIS	ECOLE FRANCO-NATIONS 1085 AVE GRENON OTTAWA ON K2B 8L7	NW/163.6	3.88	21
8	GEN	CONSEIL DES ECOLES PUBLIQUES	FRANCO-NATIONS 1085, AVENUE GRENON OTTAWA ON K2B 8L7	NW/163.6	3.88	21
8	GEN	CONSEIL (OUT OF BUS)	ECOLE FRANCO-NATIONS 1085 AVE GRENON OTTAWA ON K2B 8L7	NW/163.6	3.88	21
9	CA	OTTAWA CITY	DUMAUERIE AVE. NEAR WATSON ST. OTTAWA CITY ON	NE/170.9	2.63	22
10	HINC		2921 DUMAUERIE AVENUE OTTAWA ON K2B 8A2	SSE/209.9	-4.17	22
11	BORE		ON	ESE/220.7	-3.63	22
12	WWIS		ON Well ID: 1508638	ENE/222.5	-0.17	23
13	BORE		ON	ENE/222.6	-0.17	26
14	SPL	Ottawa Community Housing Corporation	1095 Ramsey Crescent Ottawa ON K2B 7Z9	SSW/247.7	-1.39	28

Executive Summary: Summary By Data Source

ANDR - Anderson's Waste Disposal Sites

A search of the ANDR database, dated 1860s-Present has found that there are 1 ANDR site(s) within approximately 0.25 kilometers of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Pinecrest & DuMaurier Dump	Ottawa ON K2B	ESE	36.61	<u>2</u>

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2018 has found that there are 2 BORE site(s) within approximately 0.25 kilometers of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	ON	ESE	220.72	<u>11</u>
	ON	ENE	222.56	<u>13</u>

CA - Certificates of Approval

A search of the CA database, dated 1985-Oct 30, 2011* has found that there are 2 CA site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Ottawa Community Housing Corporation	1065 Ramsey Crescent Ottawa ON	SW	108.12	<u>7</u>
OTTAWA CITY	DUMAURIER AVE. NEAR WATSON ST. OTTAWA CITY ON	NE	170.85	<u>9</u>

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011-Jun 30, 2020 has found that there are 3 ECA site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Ottawa Community Housing Corporation	1065 Ramsey Crescent Ottawa ON K1H 1A9	SW	108.12	7

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
City of Ottawa	Bayshore Transit Station to Pinecrest Road Ottawa ON K1P 1J1	SE	92.22	5
City of Ottawa	Bayshore Transit Station to Pinecrest Road Ottawa ON K1P 1J1	SE	92.22	5

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Apr 30, 2020 has found that there are 3 EHS site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	2825 Dumaaurier Ave. Ottawa ON K2B 7W3	NNW	103.47	6

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	2865 Dumaaurier Ave Ottawa ON K2B7W3	S	38.60	3
	2865 Dumaaurier Avenue Ottawa ON K2B 7W3	SSE	38.64	4

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Apr 30, 2020 has found that there are 4 GEN site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
PSL MECHANICAL	1065 Ramsay Cres Ottawa ON K2B 7Z8	SW	108.12	7

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
CONSEIL (OUT OF BUS)	ECOLE FRANCO-NATIONS 1085 AVE GRENON OTTAWA ON K2B 8L7	NW	163.64	<u>8</u>
CONSEIL DES ECOLES PUBLIQUES	FRANCO-NATIONS 1085, AVENUE GRENON OTTAWA ON K2B 8L7	NW	163.64	<u>8</u>
CONSEIL SCOLAIRE DE LANGUE FRANCAIS	ECOLE FRANCO-NATIONS 1085 AVE GRENON OTTAWA ON K2B 8L7	NW	163.64	<u>8</u>

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 0.25 kilometers of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	2921 DUMAURIER AVENUE OTTAWA ON K2B 8A2	SSE	209.87	<u>10</u>

PES - Pesticide Register

A search of the PES database, dated Oct 2011-Jun 30, 2020 has found that there are 4 PES site(s) within approximately 0.25 kilometers of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
GIANT TIGER STORE # 22 - ISHIKO LIMITED	2865 DUMAURIER AVE OTTAWA ON K2B 7W3	S	38.60	<u>3</u>
GIANT TIGER STORE # 22 - ISHIKO LIMITED	2865 DUMAURIER AVE OTTAWA ON K2B 7W3	S	38.60	<u>3</u>
GIANT TIGER STORE # 22 - ISHIKO LIMITED	2865 DUMAURIER AVE OTTAWA ON K2B7W3	S	38.60	<u>3</u>
GIANT TIGER STORE # 22 - ISHIKO LIMITED	2865 DUMAURIER AVE OTTAWA ON K2B7W3	SSE	38.64	<u>4</u>

SPL - Ontario Spills

A search of the SPL database, dated 1988-Nov 2019 has found that there are 2 SPL site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
UNKNOWN	1065 RAMSEY CRESC., OTTAWA/CARLETON REGIONAL HOUSING AUTHORITY COMPLEX. OTTAWA CITY ON K2B 8A1	SW	108.12	7

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Ottawa Community Housing Corporation	1095 Ramsey Crescent Ottawa ON K2B 7Z9	SSW	247.70	14

WDSH - Waste Disposal Sites - MOE 1991 Historical Approval Inventory

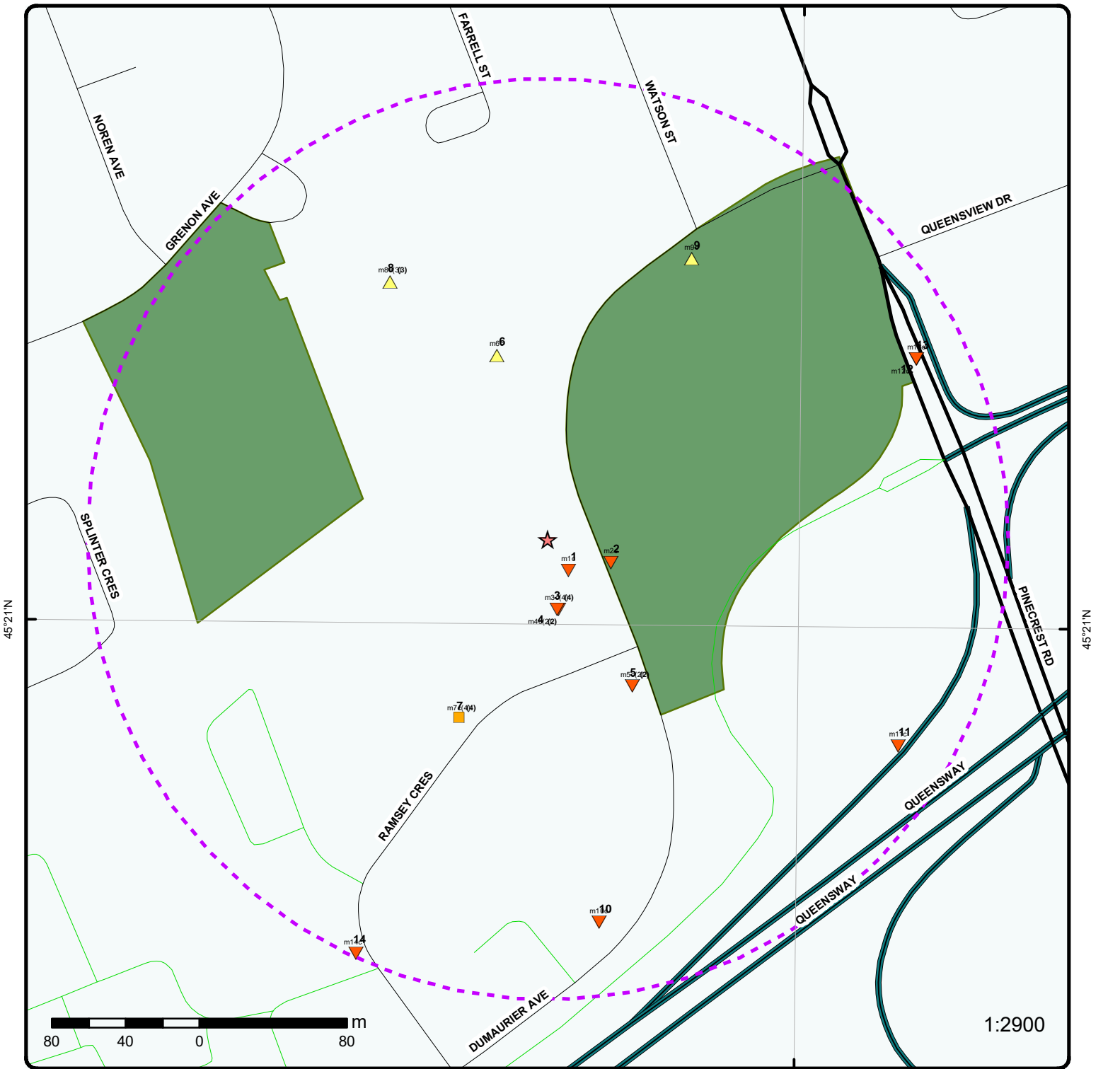
A search of the WDSH database, dated Up to Oct 1990* has found that there are 1 WDSH site(s) within approximately 0.25 kilometers of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	Pinecrest Rd. & DuMaurier Ave. OTTAWA ON	SE	20.38	1

WWIS - Water Well Information System

A search of the WWIS database, dated Feb 28, 2019 has found that there are 1 WWIS site(s) within approximately 0.25 kilometers of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	ON <i>Well ID:</i> 1508638	ENE	222.53	12



Map : 0.25 Kilometer Radius

Order Number: 20200716215

Address: 2829 Dumaurier Avenue, Ottawa, ON

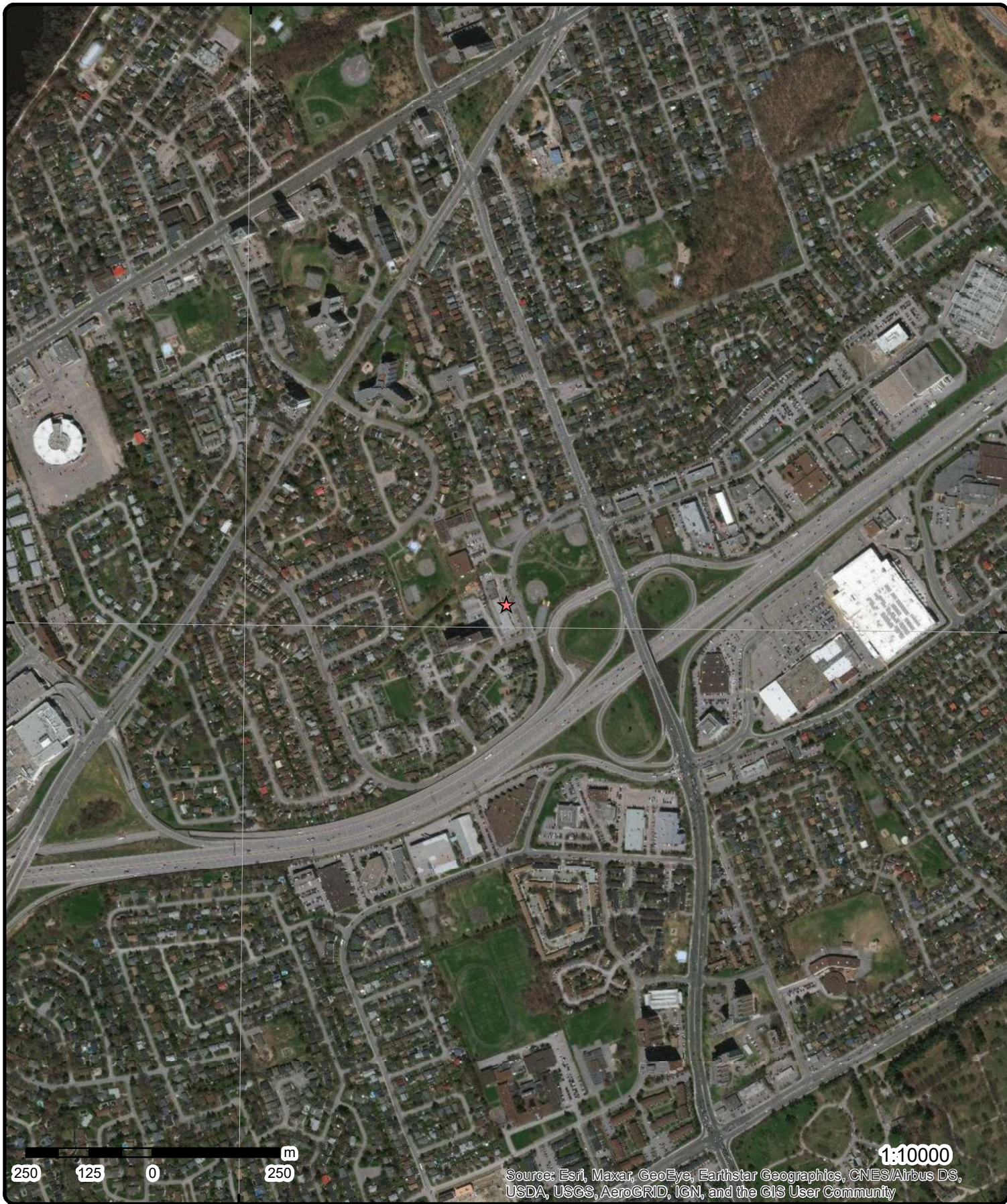


★ Project Property	Expressway	Industrial and Resource - Regions	National Park
⬡ Buffer Outline	Principal Highway	Main Line	Provincial or Territorial Park
▲ Eris Sites with Higher Elevation	Secondary Highway	Sidetrack	Other Park
■ Eris Sites with Same Elevation	Major Road	Transit Line	Golf Course or Driving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

75°48'W

45°21'N

45°21'N



250 125 0 250 m

1:10000

Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Aerial Year: 2019

Address: 2829 Dumauiier Avenue, Ottawa, ON

Source: ESRI World Imagery

Order Number: 20200716215



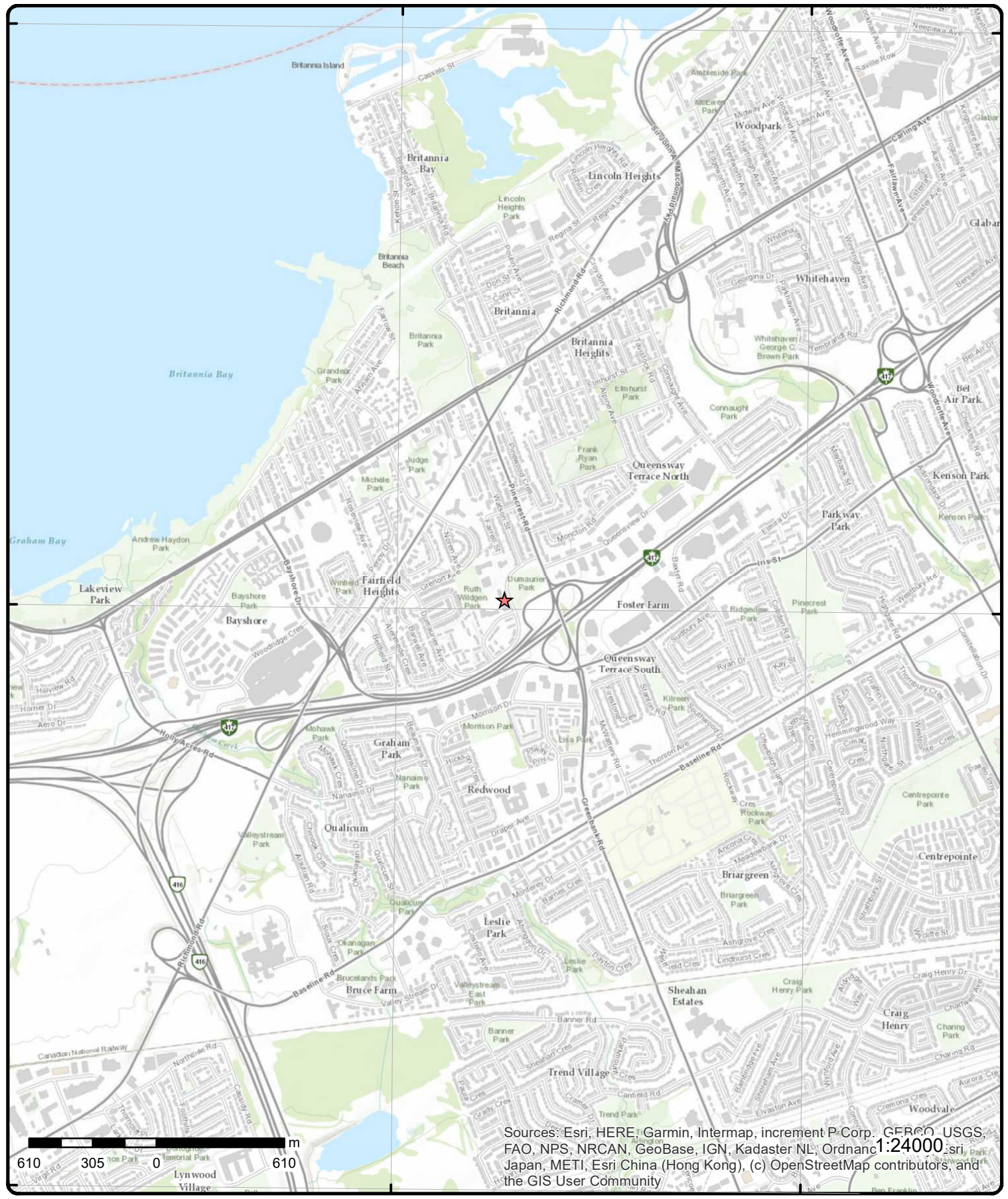
© ERIS Information Limited Partnership

45°22'30"N
45°21'N
45°19'30"N

75°48'W

75°46'30"W

45°22'30"N
45°21'N



Topographic Map

Address: 2829 Dumaurier Avenue, ON

Source: ESRI World Topographic Map

Order Number: 20200716215



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Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>1</u>	1 of 1	SE/20.4	72.1 / -0.90	Pinecrest Rd. & DuMaurier Ave. OTTAWA ON	WDSH
Site No.:		X1006			
Region:		SOUTHEAST			
County:		OTTAWA CARLETON			
Concession:					
Lot:		Pinecrest Rd. & DuMaurier Ave.			
Easting:		437860			
Northing:		5021950			
Zone:		18			
Date Closed:		CLOSED			
Status:		CLOSED			
Classification:		A5 - POTENTIAL HUMAN IMPACT-URBAN MUNICIPAL/DOMESTIC WASTE - CLOSED 10-20 YRS			
%CommercialWste:		n/a			
%DomesticWste Rec:		n/a			
%LiquidWste Rec:		n/a			
%HazardousWste Rec:		n/a			
%Non-haz.Wste Rec:		n/a			
%Sewage/Sludge Rec:		n/a			
%Other Wste Rec:		n/a			

<u>2</u>	1 of 1	ESE/36.6	71.9 / -1.08	Pinecrest & DuMaurier Dump Ottawa ON K2B	ANDR
Legal Description:		Nepean Con 2 Lot 20 pt			
Location Description:		Pinecrest Rd & DuMaurier Ave, 100m S of Sprague Ave*, 100m N of DuMaurier Ave*, 100m W of Pinecrest Rd*			
Municipality:		Ottawa City			
Current Municipality:		Ottawa City			
RM:		Ottawa-Carleton Region			
Facility:		Dump			
Date Active:		1950s?			
Date Begun:					
Date Complete:					
Area (Ha):					
Landfill Type:					
Group Name:					
Operated By:					
Serial:		MOEE 1006			
NTS:		31G05			
Diameter (m):					

Historical Summary:

Pinecrest & DuMaurier Dump MOEE 1994 Pinecrest Rd & DuMaurier Ave cited as closed waste disposal site (Ontario Ministry of the Environment [1994] Waste disposal site inventory, [Toronto]: Ontario Environment, 1994., i, 196 pp., maps, ISBN 0772984093). datapoint plots to Nepean Con 2 Lot 20 pt. 1954 Airphotomap Slight ground disturbance visible at or near this location [YUML: 1954 Airphotomap 453754E]. 1965 Military Town Plan ASE 306 Not marked, partly wooded site [1965 Military Town Plan Ottawa-Hull ASE 306 Edition 1 (produced 1965)]. 1968 NTS Map 31G05 Not marked, site is 100m S of Sprague Ave*, 100m N of DuMaurier Ave*, 100m W of Pinecrest Rd* [1968 NTS Map Ottawa-Hull Sheet 31G05 edition 7 (air photos 1967, publication 1968)]. 1973 Military Town Plan MCE 306 Not marked [1973 Military Town Plan Ottawa-Hull MCE 306 Edition 2 (information 1972, produced 1973)]. 1976 NTS Map 31G05 Not marked [1976 NTS Map Ottawa-Hull Sheet 31G05 edition 8 (air photos 1975, culture check 1975, information 1975, publication 1976)]. 1982 Military Town Plan MCE 306 Not marked [1982 Military Town Plan Ottawa-Hull MCE 306 Edition 5 (information 1980, produced 1982)]. 1983 NTS Map 31G05 Not marked [1983 NTS Map Ottawa-Hull Sheet 31G05 edition 9 (air photos 1979, culture check 1979, publication 1983)]. 1987 NTS Map 31G05 Not marked [1987 NTS Map Ottawa-Hull Sheet 31G05 edition 10 (air photos 1984, culture

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
check 1985, publication 1987). *[1992] MapArt Corporation Ontario, Towns and Cities [Street Atlas].					
Waste Type: UTM X Nad 27: 437860 UTM Y Nad 27: 5021950 UTM Zone: 18					
3	1 of 4	S/38.6	72.1 / -0.90	GIANT TIGER STORE # 22 - ISHIKO LIMITED 2865 DUMAURIER AVE OTTAWA ON K2B7W3	PES
Detail Licence No: Licence No: Status: Approval Date: Report Source: Licence Type: Limited Vendor Licence Type Code: 23 Licence Class: Licence Control: Latitude: Longitude: Lot: Concession: Region: District: County: Trade Name: PDF Link:		Operator Box: Operator Class: Operator No: Operator Type: Oper Area Code: Oper Phone No: Operator Ext: Operator Lot: Oper Concession: Operator Region: Operator District: Operator County: Op Municipality: Post Office Box: MOE District: SWP Area Name:			
3	2 of 4	S/38.6	72.1 / -0.90	GIANT TIGER STORE # 22 - ISHIKO LIMITED 2865 DUMAURIER AVE OTTAWA ON K2B 7W3	PES
Detail Licence No: Licence No: Status: Approval Date: Report Source: Licence Type: Vendor Licence Type Code: Licence Class: Licence Control: Latitude: Longitude: Lot: Concession: Region: District: County: Trade Name: PDF Link:		Operator Box: Operator Class: Operator No: Operator Type: Oper Area Code: Oper Phone No: Operator Ext: Operator Lot: Oper Concession: Operator Region: Operator District: Operator County: Op Municipality: Post Office Box: MOE District: SWP Area Name:			
3	3 of 4	S/38.6	72.1 / -0.90	GIANT TIGER STORE # 22 - ISHIKO LIMITED 2865 DUMAURIER AVE OTTAWA ON K2B 7W3	PES
Detail Licence No: 23-01-13515-0 Licence No: Status:		Operator Box: Operator Class: Operator No:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Approval Date: Report Source: Licence Type: LIMITED Licence Type Code: Licence Class: Licence Control: Latitude: Longitude: Lot: Concession: Region: District: County: Trade Name: PDF Link:					
Operator Type: Oper Area Code: Oper Phone No: Operator Ext: Operator Lot: Oper Concession: Operator Region: Operator District: Operator County: Op Municipality: Post Office Box: MOE District: SWP Area Name:					
3	4 of 4	S/38.6	72.1 / -0.90	2865 Dumaaurier Ave Ottawa ON K2B7W3	EHS
Order No: 20130806035 Status: C Report Type: Custom Report Report Date: 13-AUG-13 Date Received: 06-AUG-13 Previous Site Name: Lot/Building Size: Additional Info Ordered:					
Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .25 X: -75.793327 Y: 45.350072					
4	1 of 2	SSE/38.6	72.1 / -0.90	2865 Dumaaurier Avenue Ottawa ON K2B 7W3	EHS
Order No: 20180808091 Status: C Report Type: Standard Express Report Report Date: 08-AUG-18 Date Received: 08-AUG-18 Previous Site Name: Lot/Building Size: Additional Info Ordered: Title Searches					
Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .25 X: -75.79332 Y: 45.350177					
4	2 of 2	SSE/38.6	72.1 / -0.90	GIANT TIGER STORE # 22 - ISHIKO LIMITED 2865 DUMAURIER AVE OTTAWA ON K2B7W3	PES
Detail Licence No: Licence No: 13515 Status: Approval Date: Report Source: Legacy Licenses (Excluding TS) Licence Type: Limited Vendor Licence Type Code: 23 Licence Class: 01 Licence Control: Latitude: Longitude: Lot: Concession: Region: District: County:					
Operator Box: Operator Class: Operator No: Operator Type: Oper Area Code: 613 Oper Phone No: 8296581 Operator Ext: Operator Lot: Oper Concession: Operator Region: Operator District: Operator County: Op Municipality: Post Office Box: MOE District: SWP Area Name:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Trade Name: PDF Link:					
5	1 of 2	SE/92.2	70.9 / -2.08	City of Ottawa Bayshore Transit Station to Pinecrest Road Ottawa ON K1P 1J1	ECA
Approval No:		2842-7AQRZZ	MOE District:		Ottawa
Approval Date:		2008-01-30	City:		
Status:		Approved	Longitude:		-75.7928
Record Type:		ECA	Latitude:		45.349700000000006
Link Source:		IDS	Geometry X:		
SWP Area Name:		Rideau Valley	Geometry Y:		
Approval Type:		ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS			
Project Type:		MUNICIPAL AND PRIVATE SEWAGE WORKS			
Address:		Bayshore Transit Station to Pinecrest Road			
Full Address:					
Full PDF Link:		https://www.accessenvironment.ene.gov.on.ca/instruments/6172-74LPZS-14.pdf			
5	2 of 2	SE/92.2	70.9 / -2.08	City of Ottawa Bayshore Transit Station to Pinecrest Road Ottawa ON K1P 1J1	ECA
Approval No:		9001-776HB6	MOE District:		Ottawa
Approval Date:		2007-09-18	City:		
Status:		Approved	Longitude:		-75.7928
Record Type:		ECA	Latitude:		45.349700000000006
Link Source:		IDS	Geometry X:		
SWP Area Name:		Rideau Valley	Geometry Y:		
Approval Type:		ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS			
Project Type:		MUNICIPAL AND PRIVATE SEWAGE WORKS			
Address:		Bayshore Transit Station to Pinecrest Road			
Full Address:					
Full PDF Link:		https://www.accessenvironment.ene.gov.on.ca/instruments/6041-76JHVU-14.pdf			
6	1 of 1	NNW/103.5	75.9 / 2.92	2825 Dumaurier Ave. Ottawa ON K2B 7W3	EHS
Order No:		20070410010	Nearest Intersection:		
Status:		C	Municipality:		
Report Type:		CAN - Complete Report	Client Prov/State:		
Report Date:		4/13/2007	Search Radius (km):		0.25
Date Received:		4/10/2007	X:		-75.793761
Previous Site Name:			Y:		45.351311
Lot/Building Size:					
Additional Info Ordered:		Fire Insur. Maps And /or Site Plans			
7	1 of 4	SW/108.1	73.0 / 0.00	UNKNOWN 1065 RAMSEY CRESC., OTTAWA/CARLETON REGIONAL HOUSING AUTHORITY COMPLEX. OTTAWA CITY ON K2B 8A1	SPL
Ref No:		115040	Discharger Report:		
Site No:			Material Group:		
Incident Dt:		6/28/1995	Health/Env Conseq:		
Year:			Client Type:		
Incident Cause:		UNKNOWN	Sector Type:		
Incident Event:			Agency Involved:		
Contaminant Code:			Nearest Watercourse:		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Contaminant Name: Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: Environment Impact: POSSIBLE Nature of Impact: Water course or lake Receiving Medium: WATER Receiving Env: MOE Response: Dt MOE Arvl on Scn: MOE Reported Dt: 6/28/1995 Dt Document Closed: Incident Reason: INTENTIONAL/PLANNED Site Name: Site County/District: Site Geo Ref Meth: Incident Summary: SOURCE UNKNOWN: MOTOR OILDUMPED IN STORM C.B.,E.G.NUMBER ISSUED TO DRAINALL Contaminant Qty:				Site Address: Site District Office: Site Postal Code: Site Region: Site Municipality: 20101 Site Lot: Site Conc: Northing: Easting: Site Geo Ref Accu: Site Map Datum: SAC Action Class: Source Type:	
7	2 of 4	SW/108.1	73.0 / 0.00	Ottawa Community Housing Corporation 1065 Ramsey Crescent Ottawa ON	CA
Certificate #: 6610-5HUS4N Application Year: 2003 Issue Date: 1/18/2003 Approval Type: Air Status: Approved Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:					
7	3 of 4	SW/108.1	73.0 / 0.00	Ottawa Community Housing Corporation 1065 Ramsey Crescent Ottawa ON K1H 1A9	ECA
Approval No: 6610-5HUS4N Approval Date: 2003-01-18 Status: Approved Record Type: ECA Link Source: IDS SWP Area Name: Rideau Valley Approval Type: ECA-AIR Project Type: AIR Address: 1065 Ramsey Crescent Full Address: Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/2224-5GQK3D-14.pdf				MOE District: Ottawa City: Longitude: -75.79433999999999 Latitude: 45.349964 Geometry X: Geometry Y:	
7	4 of 4	SW/108.1	73.0 / 0.00	PSL MECHANICAL 1065 Ramsay Cres Ottawa ON K2B 7Z8	GEN
Generator No: ON6346361 Status: Registered Approval Years: As of Dec 2018				PO Box No: Country: Canada Choice of Contact:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Contam. Facility: MHSW Facility: SIC Code: SIC Description:				Co Admin: Phone No Admin:	
<u>Detail(s)</u>					
Waste Class: Waste Class Desc:		212 L Aliphatic solvents and residues			
<u>8</u>	1 of 3	NW/163.6	76.8 / 3.88	CONSEIL SCOLAIRE DE LANGUE FRANCAIS ECOLE FRANCO-NATIONS 1085 AVE GRENON OTTAWA ON K2B 8L7	GEN
Generator No: Status: Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description:		ON1285754 94,95,96 8511 ELEMNT./SECON. EDUC.		PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:	
<u>Detail(s)</u>					
Waste Class: Waste Class Desc:		243 PCB'S			
<u>8</u>	2 of 3	NW/163.6	76.8 / 3.88	CONSEIL DES ECOLES PUBLIQUES FRANCO-NATIONS 1085, AVENUE GRENON OTTAWA ON K2B 8L7	GEN
Generator No: Status: Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description:		ON1879409 94,95,96,97,98 8511 ELEMNT./SECON. EDUC.		PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:	
<u>Detail(s)</u>					
Waste Class: Waste Class Desc:		243 PCB'S			
<u>8</u>	3 of 3	NW/163.6	76.8 / 3.88	CONSEIL (OUT OF BUS) ECOLE FRANCO-NATIONS 1085 AVE GRENON OTTAWA ON K2B 8L7	GEN
Generator No: Status: Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description:		ON1285754 97,98 8511 ELEMNT./SECON. EDUC.		PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:	
<u>Detail(s)</u>					
Waste Class: Waste Class Desc:		243 PCB'S			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
9	1 of 1	NE/170.9	75.6 / 2.63	OTTAWA CITY DUMAUER AVE. NEAR WATSON ST. OTTAWA CITY ON	CA
<p> Certificate #: 8-4101-87- Application Year: 87 Issue Date: 5/13/1988 Approval Type: Industrial air Status: Approved in 1988 Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: LANDFILL GAS VENT Contaminants: Methane (Incl. Hydrocarbons Expr. As Ch4 Emission Control: No Controls </p>					
10	1 of 1	SSE/209.9	68.8 / -4.17	2921 DUMAUER AVENUE OTTAWA ON K2B 8A2	HINC
<p> External File Num: FS INC 0710-05604 Fuel Occurrence Type: Pipeline Strike Date of Occurrence: 9/17/2007 Fuel Type Involved: Natural Gas Status Desc: Completed - Causal Analysis(End) Job Type Desc: Incident/Near-Miss Occurrence (FS) Oper. Type Involved: Construction Site (pipeline strike) Service Interruptions: No Property Damage: No Fuel Life Cycle Stage: Transmission, Distribution and Transportation Root Cause: Root Cause: Equipment/Material/Component:No Procedures:No Maintenance:No Design:No Training:No Management:Yes Human Factors:No Reported Details: Fuel Category: Gaseous Fuel Occurrence Type: Incident Affiliation: Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.) County Name: Ottawa Approx. Quant. Rel: Nearby body of water: Enter Drainage Syst.: Approx. Quant. Unit: Environmental Impact: </p>					
11	1 of 1	ESE/220.7	69.3 / -3.63	ON	BORE
<p> Borehole ID: 610827 OGF ID: 215512338 Status: Type: Borehole Use: Completion Date: Static Water Level: Primary Water Use: Sec. Water Use: Total Depth m: -999 Depth Ref: Ground Surface Depth Elev: Drill Method: </p> <p> Inclin FLG: No SP Status: Initial Entry Surv Elev: No Piezometer: No Primary Name: Municipality: Lot: Township: Latitude DD: 45.349422 Longitude DD: -75.790956 UTM Zone: 18 Easting: 438041 Northing: 5022072 </p>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Orig Ground Elev m: Elev Reliabil Note: DEM Ground Elev m: Concession: Location D: Survey D: Comments:	72.2 70.9			Location Accuracy: Accuracy:	Not Applicable
<u>Borehole Geology Stratum</u>					
Geology Stratum ID: Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:	218386656 1.8 Brown Bedrock Shale			Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	Loose Fine
		BEDROCK, SHALE. WEATHERED. LAYERED. SAND, CLAY. BROWN, GREY, FISSURED. SAND-FINE. VERY LOOSE. S **Note: Many records provided by the department have a truncated [Stratum Description] field.			
Geology Stratum ID: Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:	218386655 0 1.8 Fill			Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	fill
		FILL.			
<u>Source</u>					
Source Type: Source Orig: Source Date: Confidence: Observatio: Source Name: Source Details: Confiden 1:	Data Survey Geological Survey of Canada 1956-1972 H			Source Appl: Source Iden: Scale or Res: Horizontal: Verticalda:	Spatial/Tabular 1 Varies NAD27 Mean Average Sea Level
		Urban Geology Automated Information System (UGAIS) File: OTTAWA1.txt RecordID: 033350 NTS_Sheet: 31G05C Logged by professional. Exact and complete description of material and properties.			
<u>Source List</u>					
Source Identifier: Source Type: Source Date: Scale or Resolution: Source Name: Source Originators:	1 Data Survey 1956-1972 Varies Urban Geology Automated Information System (UGAIS) Geological Survey of Canada			Horizontal Datum: Vertical Datum: Projection Name:	NAD27 Mean Average Sea Level Universal Transverse Mercator
12	1 of 1	ENE/222.5	72.8 / -0.17	ON	WWIS
Well ID: Construction Date: Primary Water Use: Sec. Water Use: Final Well Status: Water Type:	1508638 Domestic 0 Water Supply			Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor:	1 1/6/1954 Yes 3566

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Casing Material: Audit No: Tag: Construction Method: Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy:				Form Version: 1 Owner: Street Name: County: OTTAWA-CARLETON Municipality: OTTAWA CITY Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	
<u>Bore Hole Information</u>					
Bore Hole ID: 10030672 DP2BR: 29 Spatial Status: Code OB: r Code OB Desc: Bedrock Open Hole: Cluster Kind: Date Completed: 11/18/1953 Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:				Elevation: 73.715354 Elevrc: Zone: 18 East83: 438050.7 North83: 5022282 Org CS: UTMRC: 9 UTMRC Desc: unknown UTM Location Method: p9	
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID: 931010203 Layer: 1 Color: 6 General Color: BROWN Mat1: 09 Most Common Material: MEDIUM SAND Mat2: Other Materials: Mat3: Other Materials: Formation Top Depth: 0 Formation End Depth: 15 Formation End Depth UOM: ft					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID: 931010204 Layer: 2 Color: General Color: Mat1: 14 Most Common Material: HARDPAN Mat2: Other Materials: Mat3: Other Materials:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation Top Depth:		15			
Formation End Depth:		29			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931010206			
Layer:		4			
Color:		8			
General Color:		BLACK			
Mat1:		17			
Most Common Material:		SHALE			
Mat2:		18			
Other Materials:		SANDSTONE			
Mat3:					
Other Materials:					
Formation Top Depth:		105			
Formation End Depth:		115			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931010205			
Layer:		3			
Color:					
General Color:					
Mat1:		15			
Most Common Material:		LIMESTONE			
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		29			
Formation End Depth:		105			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:					
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10579242			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930053975			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		115			
Casing Diameter:		4			

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

Casing Diameter UOM: inch
 Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930053974
 Layer: 1
 Material: 1
 Open Hole or Material: STEEL
 Depth From:
 Depth To: 30
 Casing Diameter: 4
 Casing Diameter UOM: inch
 Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991508638
 Pump Set At:
 Static Level: 38
 Final Level After Pumping: 48
 Recommended Pump Depth:
 Pumping Rate: 6
 Flowing Rate:
 Recommended Pump Rate:
 Levels UOM: ft
 Rate UOM: GPM
 Water State After Test Code: 1
 Water State After Test: CLEAR
 Pumping Test Method: 1
 Pumping Duration HR: 1
 Pumping Duration MIN: 0
 Flowing: N

Water Details

Water ID: 933463247
 Layer: 1
 Kind Code: 1
 Kind: FRESH
 Water Found Depth: 70
 Water Found Depth UOM: ft

Water Details

Water ID: 933463248
 Layer: 2
 Kind Code: 1
 Kind: FRESH
 Water Found Depth: 112
 Water Found Depth UOM: ft

13	1 of 1	ENE/222.6	72.8 / -0.17	ON	BORE
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Borehole ID:	610845	Inclin FLG:	No
OGF ID:	215512356	SP Status:	Initial Entry
Status:		Surv Elev:	No
Type:	Borehole	Piezometer:	No
Use:		Primary Name:	
Completion Date:	NOV-1953	Municipality:	
Static Water Level:		Lot:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Primary Water Use: Sec. Water Use: Total Depth m: 35.1 Depth Ref: Ground Surface Depth Elev: Drill Method: Orig Ground Elev m: 73.2 Elev Reliabil Note: DEM Ground Elev m: 73.7 Concession: Location D: Survey D: Comments:				Township: Latitude DD: 45.351313 Longitude DD: -75.790855 UTM Zone: 18 Easting: 438051 Northing: 5022282 Location Accuracy: Accuracy: Not Applicable	
<u>Borehole Geology Stratum</u>					
Geology Stratum ID: 218386706 Top Depth: 0 Bottom Depth: 4.6 Material Color: Brown Material 1: Sand Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description: SAND. BROWN.				Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	
Geology Stratum ID: 218386708 Top Depth: 8.8 Bottom Depth: 32 Material Color: Material 1: Limestone Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description: LIMESTONE.				Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	
Geology Stratum ID: 218386707 Top Depth: 4.6 Bottom Depth: 8.8 Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description: HARDPAN.				Mat Consistency: Hard Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	
Geology Stratum ID: 218386709 Top Depth: 32 Bottom Depth: 35.1 Material Color: Black Material 1: Shale Material 2: Sandstone Material 3: Material 4: Gsc Material Description: Stratum Description: SHALE,SANDSTONE. BLACK. 00112DOLOMITE. BEDROCK,DOLOMITE. BEDROCK,DOLOMITE. 00000 020 0 **Note: Many records provided by the department have a truncated [Stratum Description] field.				Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	
<u>Source</u>					
Source Type:	Data Survey			Source Appl:	Spatial/Tabular

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB	
Source Orig: Source Date: Confidence: Observatio: Source Name: Source Details: Confiden 1:	Geological Survey of Canada 1956-1972	Urban Geology Automated Information System (UGAIS) File: OTTAWA1.txt RecordID: 03353 NTS_Sheet:		Source Iden: Scale or Res: Horizontal: Verticalda:	1 Varies NAD27 Mean Average Sea Level	
Source List						
Source Identifier: Source Type: Source Date: Scale or Resolution: Source Name: Source Originators:	1 Data Survey 1956-1972 Varies	Urban Geology Automated Information System (UGAIS) Geological Survey of Canada		Horizontal Datum: Vertical Datum: Projection Name:	NAD27 Mean Average Sea Level Universal Transverse Mercator	

14	1 of 1	SSW/247.7	71.6 / -1.39	Ottawa Community Housing Corporation 1095 Ramsey Crescent Ottawa ON K2B 7Z9	SPL
Ref No: Site No: Incident Dt: Year: Incident Cause: Incident Event: Contaminant Code: Contaminant Name: Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: Environment Impact: Nature of Impact: Receiving Medium: Receiving Env: MOE Response: Dt MOE Arvl on Scn: MOE Reported Dt: Dt Document Closed: Incident Reason: Site Name: Site County/District: Site Geo Ref Meth: Incident Summary: Contaminant Qty:	1237-7LWQCF Other Discharges 12 GASOLINE Not Anticipated No Field Response 12/1/2008 12/4/2008 Unknown - Reason not determined Ottawa Community Housing Corporation<UNOFFICIAL> Ottawa Community Housing, Gas 20L to Cb Cln 20 L	Discharger Report: Material Group: Health/Env Conseq: Client Type: Sector Type: Agency Involved: Nearest Watercourse: Site Address: Site District Office: Site Postal Code: Site Region: Site Municipality: Site Lot: Site Conc: Northing: Easting: Site Geo Ref Accu: Site Map Datum: SAC Action Class: Source Type:	Other Motor Vehicle Ottawa Ottawa Watercourse Spills		

Unplottable Summary

Total: 11 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	R.M. OF OTTAWA-CARLETON	PINECREST RD., WEST TRANSITWAY	NEPEAN CITY ON	
CA	Appleton Subdivision	Part of Lot 21, Concession 2	Ottawa ON	
CA	Village Square Mall	Regional Road No. 13	Ottawa ON	
EXP	SUPERIOR PROPANE INC*	PRT LOT 20 CON 2	NEPEAN TWP ON	
LIMO		Lot 20 Concession 2 ON OTTAWA RIVER NEPEAN Ottawa	ON	
PRT	SUPERIOR PROPANE INC	PRT LOT 20 CON 2	NEPEAN TWP ON	
SPL	TRANSPORT TRUCK	HWY. 417 MOTOR VEHICLE (OPERATING FLUID)	OTTAWA ON	
SPL	CONSOLIDATED FREIGHTWAYS	ALONG THE 417 TRANSPORT TRUCK (CARGO)	OTTAWA CITY ON	
SPL	City of Ottawa	Highway 417	Ottawa ON	
SPL	TRANSPORT TRUCK	QUEENSWAY MOTOR VEHICLE (OPERATING FLUID)	OTTAWA CITY ON	
WWIS			Ottawa ON	

Unplottable Report

Site: R.M. OF OTTAWA-CARLETON
PINECREST RD., WEST TRANSITWAY NEPEAN CITY ON

Database:
CA

Certificate #: 3-0011-99-
Application Year: 99
Issue Date: 2/22/1999
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: Appleton Subdivision
Part of Lot 21, Concession 2 Ottawa ON

Database:
CA

Certificate #: 9776-55UJ3V
Application Year: 02
Issue Date: 1/2/02
Approval Type: Municipal & Private water
Status: Approved
Application Type: New Certificate of Approval
Client Name: Richcraft Homes Ltd.
Client Address: 201-2280 St. Laurent Blvd.
Client City: Ottawa
Client Postal Code: K1G 4K1
Project Description: Construction of a Watermain
Contaminants:
Emission Control:

Site: Village Square Mall
Regional Road No. 13 Ottawa ON

Database:
CA

Certificate #: 7752-4VBMMJ
Application Year: 01
Issue Date: 4/2/01
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name: The Village Square Mall (Barrhaven) Inc.
Client Address: 17 Fitzgerald Road
Client City: Nepean
Client Postal Code: K2H 9G1
Project Description: Storm and sanitary sewers to be constructed on Greenbank Road
Contaminants:
Emission Control:

Site: SUPERIOR PROPANE INC*
PRT LOT 20 CON 2 NEPEAN TWP ON

Database:
EXP

Instance No: 9625094
Instance ID: 391396

Instance Type: FS Facility
Description: FS Propane Refill Cntr - Cylr Fill
Status: EXPIRED
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date:

Site: Lot 20 Concession 2 ON OTTAWA RIVER NEPEAN Ottawa ON

Database:
[LIMO](#)

ECA/Instrument No: X1006
Oper Status 2016: Historic
C of A Issue Date:
C of A Issued to:
Lndfl Gas Mgmt (P):
Lndfl Gas Mgmt (F):
Lndfl Gas Mgmt (E):
Lndfl Gas Mgmt Sys:
Landfill Gas Mntr:
Leachate Coll Sys:
ERC Est Vol (m3):
ERC Volume Unit:
ERC Dt Last Det:
Landfill Type:
Source File Type: Historic and Closed Landfills
Fill Rate:
Fill Rate Unit:
Tot Fill Area (ha):
Tot Site Area (ha):
Footprint:
Tot Apprv Cap (m3):
Contam Atten Zone:
Grndwtr Mntr:
Surf Wtr Mntr:
Air Emis Monitor:
Approved Waste Type:
Client Site Name:
ERC Methodology:
Site Name:
Site Location Details: Lot 20 Concession 2 ON OTTAWA RIVER NEPEAN

Natural Attenuation:
Liners:
Cover Material:
Leachate Off-Site:
Leachate On Site:
Req Coll Lndfl Gas:
Lndfl Gas Coll:
Total Waste Rec:
TWR Methodology:
TWR Unit:
Tot Aprv Cap Unit:
Financial Assurance:
Last Report Year:
MOE Region:
MOE District:
Site County:
Lot:
Concession:
Latitude:
Longitude:
Easting:
Northing:
UTM Zone:
Data Source:

Service Area:
Page URL:

Ottawa

Site: SUPERIOR PROPANE INC
PRT LOT 20 CON 2 NEPEAN TWP ON

Database:
[PRT](#)

Location ID: 9655
Type: retail
Expiry Date: 1992-02-28
Capacity (L): 2000
Licence #: 0032772001

Site: TRANSPORT TRUCK
HWY. 417 MOTOR VEHICLE (OPERATING FLUID) OTTAWA ON

Database:
[SPL](#)

Ref No: 191523
Site No:
Incident Dt: 12/4/2000
Year:
Incident Cause: TRUCK/TRAILER OVERTURN
Incident Event:
Contaminant Code:

Discharger Report:
Material Group:
Health/Env Conseq:
Client Type:
Sector Type:
Agency Involved:
Nearest Watercourse:

Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact: POSSIBLE
Nature of Impact: Soil contamination
Receiving Medium: LAND
Receiving Env:
MOE Response:
Dt MOE Arvl on Scn:
MOE Reported Dt: 12/4/2000
Dt Document Closed:
Incident Reason: OTHER
Site Name:
Site County/District:
Site Geo Ref Meth:
Incident Summary: RSR ENVIRONMENTAL:SPILL OF 50-100 L DIESEL DUE TO ROLLOVER. CONTAINED.
Contaminant Qty:

Site Address:
Site District Office:
Site Postal Code:
Site Region:
Site Municipality: 20107
Site Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class:
Source Type:

Site: CONSOLIDATED FREIGHTWAYS
 ALONG THE 417 TRANSPORT TRUCK (CARGO) OTTAWA CITY ON

Database:
 SPL

Ref No: 35498
Site No:
Incident Dt: 5/29/1990
Year:
Incident Cause: OTHER CONTAINER LEAK
Incident Event:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact: NOT ANTICIPATED
Nature of Impact:
Receiving Medium: LAND
Receiving Env:
MOE Response:
Dt MOE Arvl on Scn:
MOE Reported Dt: 5/30/1990
Dt Document Closed:
Incident Reason: MATERIAL FAILURE
Site Name:
Site County/District:
Site Geo Ref Meth:
Incident Summary: CONSOLIDATED FREIGHT-15 LGLUE TO HIGHWAY BETWEEN MONTREAL AND OTTAWA
Contaminant Qty:

Discharger Report:
Material Group:
Health/Env Conseq:
Client Type:
Sector Type:
Agency Involved:
Nearest Watercourse:
Site Address:
Site District Office:
Site Postal Code:
Site Region:
Site Municipality: 20101
Site Lot:
Site Conc:
Northing:
Easting: CANUTEC,OPP
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class:
Source Type:

Site: City of Ottawa
 Highway 417 Ottawa ON

Database:
 SPL

Ref No: 3043-7QMTYH
Site No:
Incident Dt:
Year:
Incident Cause: Pipe Or Hose Leak
Incident Event:
Contaminant Code:
Contaminant Name: ENGINE OIL
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact: Not Anticipated
Nature of Impact: Other Impact(s)
Receiving Medium:
Receiving Env:
MOE Response:

Discharger Report:
Material Group:
Health/Env Conseq:
Client Type:
Sector Type: Other
Agency Involved:
Nearest Watercourse:
Site Address:
Site District Office:
Site Postal Code:
Site Region:
Site Municipality: Ottawa
Site Lot:
Site Conc:
Northing: NA
Easting: NA

Dt MOE Arvl on Scn:
MOE Reported Dt: 3/30/2009
Dt Document Closed:
Incident Reason: Unknown - Reason not determined
Site Name: EB Merge Lane Hwy 417 & Eagleson Road
Site County/District:
Site Geo Ref Meth:
Incident Summary: OC Transpo: 10L engine oil to grnd on Hwy 417
Contaminant Qty: 10 L

Site Geo Ref Accu:
Site Map Datum:
SAC Action Class: Primary Assessment of Incident
Source Type:

Site: **TRANSPORT TRUCK** **Database:** **SPL**
QUEENSWAY MOTOR VEHICLE (OPERATING FLUID) OTTAWA CITY ON

Ref No: 224201 Site No: Incident Dt: 4/19/2002 Year: Incident Cause: OTHER TRANSPORTATION ACCIDENT Incident Event: Contaminant Code: Contaminant Name: Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: Environment Impact: CONFIRMED Nature of Impact: Soil contamination Receiving Medium: LAND Receiving Env: MOE Response: Dt MOE Arvl on Scn: MOE Reported Dt: 4/19/2002 Dt Document Closed: Incident Reason: ERROR Site Name: Site County/District: Site Geo Ref Meth: Incident Summary: LOBLAWS: 450L DIESEL FROMTRUCK TO ROAD ONLY; OPP; MTO. Contaminant Qty:	Discharger Report: Material Group: Health/Env Conseq: Client Type: Sector Type: Agency Involved: OPP-KANATA; MTO Nearest Watercourse: Site Address: Site District Office: Site Postal Code: Site Region: Site Municipality: 20107 Site Lot: Site Conc: Northing: Easting: Site Geo Ref Accu: Site Map Datum: SAC Action Class: Source Type:
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Site: **Ottawa ON** **Database:** **WWIS**

Well ID: 7290688 Construction Date: Primary Water Use: Test Hole Sec. Water Use: Final Well Status: Observation Wells Water Type: Casing Material: Audit No: Z261473 Tag: A228339 Construction Method: Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy:	Data Entry Status: Data Src: Date Received: 7/19/2017 Selected Flag: Yes Abandonment Rec: Contractor: 7579 Form Version: 7 Owner: Street Name: HWY 417 WEST County: Municipality: Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:
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Bore Hole Information

Bore Hole ID: 1006636095 **Elevation:**

DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 7/4/2017
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevrc:
Zone:
East83:
North83:
Org CS: UTM83
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: wwr

Overburden and Bedrock
Materials Interval

Formation ID: 1006753724
Layer: 3
Color: 8
General Color: BLACK
Mat1: 17
Most Common Material: SHALE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 42
Formation End Depth: 72.5
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 1006753723
Layer: 2
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2: 06
Other Materials: SILT
Mat3:
Other Materials:
Formation Top Depth: 20
Formation End Depth: 42
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 1006753722
Layer: 1
Color: 2
General Color: GREY
Mat1: 11
Most Common Material: GRAVEL
Mat2: 28
Other Materials: SAND
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 20
Formation End Depth UOM: ft

**Annular Space/Abandonment
Sealing Record**

Plug ID: 1006753731
Layer: 1
Plug From: 0
Plug To: 72.5
Plug Depth UOM: ft

Pipe Information

Pipe ID: 1006753721
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1006753727
Layer: 1
Material:
Open Hole or Material:
Depth From: 0
Depth To: 72.5
Casing Diameter: 2.5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1006753728
Layer:
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter:

Hole Diameter

Hole ID: 1006753725
Diameter: 3.63
Depth From: 0
Depth To: 72.5
Hole Depth UOM: ft
Hole Diameter UOM: inch

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 2019

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 2018

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

Aboveground Storage Tanks:

Provincial

[AST](#)

Historical listing of aboveground storage tanks made available by the Department of Natural Resources and Forestry. Includes tanks used to hold water or petroleum. This dataset has been retired as of September 25, 2014 and will no longer be updated.

Government Publication Date: May 31, 2014

Automobile Wrecking & Supplies:

Private

[AUWR](#)

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

Government Publication Date: 1999-Jan 31, 2020

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 2018

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*

Dry Cleaning Facilities:

Federal CDRY

List of dry cleaning facilities made available by Environment and Climate Change Canada. Environment and Climate Change Canada's Tetrachloroethylene (Use in Dry Cleaning and Reporting Requirements) Regulations (SOR/2003-79) are intended to reduce releases of tetrachloroethylene to the environment from dry cleaning facilities.

Environment and Climate Change Canada cites the coronavirus pandemic as an explanation for delays in releasing data pursuant to requests.

Government Publication Date: Jan 2004-Dec 2017

Commercial Fuel Oil Tanks:

Provincial CFOT

Locations of commercial underground fuel oil tanks. This is not a comprehensive or complete inventory of commercial fuel tanks in the province; this listing is a copy of records of registered commercial underground fuel oil tanks obtained under Access to Public Information.

Note that the following types of tanks do not require registration: waste oil tanks in apartments, office buildings, residences, etc.; aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

The coronavirus pandemic is cited by the agency responsible for tank regulations and data as an explanation for delays in releasing data pursuant to requests.

Government Publication Date: Feb 28, 2017

Chemical Register:

Private CHEM

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

Government Publication Date: 1999-Jan 31, 2020

Compressed Natural Gas Stations:

Private CNG

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

Government Publication Date: Dec 2012 - Jun 2020

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-Dec 2019

Certificates of Property Use:

Provincial CPU

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

Government Publication Date: 1994-May 31, 2020

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 - Sep 2019

Environmental Activity and Sector Registry:

Provincial **EASR**

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

Government Publication Date: Oct 2011-Jun 30, 2020

Environmental Registry:

Provincial **EBR**

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

Government Publication Date: 1994-May 31, 2020

Environmental Compliance Approval:

Provincial **ECA**

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

Government Publication Date: Oct 2011-Jun 30, 2020

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-Apr 30, 2020

Environmental Issues Inventory System:

Federal **EIIS**

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

Government Publication Date: 1992-2001*

Emergency Management Historical Event:

Provincial **EMHE**

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

Government Publication Date: Dec 31, 2016

Environmental Penalty Annual Report:

Provincial **EPAR**

This database contains data from Ontario's annual environmental penalty report published by the Ministry of the Environment and Climate Change. These reports provide information on environmental penalties for land or water violations issued to companies in one of the nine industrial sectors covered by the Municipal Industrial Strategy for Abatement (MISA) regulations.

Government Publication Date: Jan 1, 2011 - Dec 31, 2019

List of Expired Fuels Safety Facilities:

Provincial **EXP**

List of facilities and tanks for which there was once a fuel registration. This is not a comprehensive or complete inventory of expired tanks/tank facilities in the province; this listing is a copy of previously registered tanks and facilities obtained under Access to Public Information. Includes private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc; includes tanks which have been removed from the ground.

Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

The coronavirus pandemic is cited by the agency responsible for tank regulations and data as an explanation for delays in releasing data pursuant to requests.

Government Publication Date: Feb 28, 2017

Federal Convictions:

Federal **FCON**

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

Government Publication Date: 1988-Jun 2007*

Contaminated Sites on Federal Land:

Federal **FCS**

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

Government Publication Date: Jun 2000-Apr 2020

Fisheries & Oceans Fuel Tanks:

Federal **Foft**

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

Government Publication Date: 1964-Sep 2019

Federal Identification Registry for Storage Tank Systems (FIRSTS):

Federal **FRST**

A list of federally regulated Storage tanks from the Federal Identification Registry for Storage Tank Systems (FIRSTS). FIRSTS is Environment and Climate Change Canada's database of storage tank systems subject to the Storage Tank for Petroleum Products and Allied Petroleum Products Regulations. The main objective of the Regulations is to prevent soil and groundwater contamination from storage tank systems located on federal and aboriginal lands. Storage tank systems that do not have a valid identification number displayed in a readily visible location on or near the storage tank system may be refused product delivery.

Government Publication Date: May 31, 2018

Fuel Storage Tank:

Provincial **FST**

List of registered private and retail fuel storage tanks. This is not a comprehensive or complete inventory of private and retail fuel storage tanks in the province; this listing is a copy of registered private and retail fuel storage tanks, obtained under Access to Public Information.

Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

The coronavirus pandemic is cited by the agency responsible for tank regulations and data as an explanation for delays in releasing data pursuant to requests.

Government Publication Date: Feb 28, 2017

Fuel Storage Tank - Historic:

Provincial **FSTH**

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

Government Publication Date: Pre-Jan 2010*

Ontario Regulation 347 Waste Generators Summary:

Provincial

GEN

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

Government Publication Date: 1986-Apr 30, 2020

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 2017

TSSA Historic Incidents:

Provincial

HINC

List of historic incidences of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen recorded by the TSSA in their previous incident tracking system. The 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, the TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of historical fuel spills and leaks in the province. This listing is a copy of the data captured at one moment in time and is hence limited by the record date provided here.

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*

Fuel Oil Spills and Leaks:

Provincial

INC

Listing of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen reported to the Spills Action Centre (SAC). This is not a comprehensive or complete inventory of fuel-related leaks, spills, and incidents in the province; this listing in a copy of incidents reported to the SAC, obtained under Access to Public Information. Includes incidents from fuel-related hazards such as spills, fires, and explosions. Records are not verified for accuracy or completeness.

The coronavirus pandemic is cited by the agency responsible for tank regulations and data as an explanation for delays in releasing data pursuant to requests.

Government Publication Date: Feb 28, 2017

Landfill Inventory Management Ontario:

Provincial

LIMO

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

Government Publication Date: Feb 28, 2019

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-Jan 2020

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, 2018

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-Apr 2018

National Defence & Canadian Forces Waste Disposal Sites:

Federal [NDWD](#)

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

Government Publication Date: 2001-Apr 2007*

National Energy Board Pipeline Incidents:

Federal [NEBI](#)

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

Government Publication Date: 2008-Mar 31, 2020

National Energy Board Wells:

Federal [NEBP](#)

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

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES):

Federal

NEES

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

Government Publication Date: 1974-2003*

National PCB Inventory:

Federal

NPCB

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

Government Publication Date: 1988-2008*

National Pollutant Release Inventory:

Federal

NPRI

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

Government Publication Date: 1993-May 2017

Oil and Gas Wells:

Private

OGWE

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-May 31, 2020

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-Jun 2019

Inventory of PCB Storage Sites:

Provincial

OPCB

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

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

Orders:

Provincial

ORD

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

Government Publication Date: 1994-May 31, 2020

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, 2009-2014

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: Oct 2011-Jun 30, 2020

Pipeline Incidents:

Provincial PINC

List of pipeline incidents (strikes, leaks, spills). This is not a comprehensive or complete inventory of pipeline incidents in the province; this listing is an historical copy of records previously obtained under Access to Public Information. Records are not verified for accuracy or completeness.

The coronavirus pandemic is cited by the agency responsible for tank regulations and data as an explanation for delays in releasing data pursuant to requests.

Government Publication Date: Feb 28, 2017

Private and Retail Fuel Storage Tanks:

Provincial PRT

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

Government Publication Date: 1989-1996*

Permit to Take Water:

Provincial PTTW

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

Government Publication Date: 1994-May 31, 2020

Ontario Regulation 347 Waste Receivers Summary:

Provincial REC

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

Government Publication Date: 1986-2016

Record of Site Condition:

Provincial RSC

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

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

Government Publication Date: 1997-Sept 2001, Oct 2004-May 2020

Retail Fuel Storage Tanks:

Private RST

This database includes an inventory of retail fuel outlet locations (including marinas) that have on their property gasoline, oil, waste oil, natural gas and / or propane storage tanks.

Government Publication Date: 1999-Jan 31, 2020

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

List of spills and incidents made available the Ministry of the Environment, Conservation and Parks. 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.

The Ministry of the Environment, Conservation and Parks cites the coronavirus pandemic as an explanation for delays in releasing data pursuant to requests.

Government Publication Date: 1988-Nov 2019

Wastewater Discharger Registration Database:

Provincial [SRDS](#)

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

Government Publication Date: 1990-Dec 31, 2017

Anderson's Storage Tanks:

Private [TANK](#)

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

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks:

Federal [TCFT](#)

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

Government Publication Date: 1970-Aug 2018

Variations for Abandonment of Underground Storage Tanks:

Provincial [VAR](#)

Listing of variances granted for storage tank abandonment. This is not a comprehensive or complete inventory of tank abandonment variances in the province; this listing is a copy of tank abandonment variance records previously obtained under Access to Public Information. In Ontario, registered underground storage tanks must be removed within two years of disuse; if removal of a tank is not feasible, an application may be sought for a variance from this code requirement.

Records are not verified for accuracy or completeness.

The coronavirus pandemic is cited by the agency responsible for tank regulations and data as an explanation for delays in releasing data pursuant to requests.

Government Publication Date: Feb 28, 2017

Waste Disposal Sites - MOE CA Inventory:

Provincial [WDS](#)

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

Government Publication Date: Oct 2011-Jun 30, 2020

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: Feb 28, 2019

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 E

Ministry of Environment, Conservation and Parks – Freedom of Information (FOI) Request

Freedom of Information and
Protection of Privacy Office
40 St. Clair Avenue West, 12th Floor
Toronto ON M4V 1M2
Telephone 416 314-4075

Instructions

Use this form to request records that are in the Ministry's files on environmental concerns related to properties. Our fax number is 416 314-4285.

For Ministry Use Only


FOI Request Number	Date Request Received (yyyy/mm/dd)
Fee Paid	<input type="checkbox"/> Cheque <input type="checkbox"/> VISA/MC <input type="checkbox"/> Cash/Money Order
<input type="checkbox"/> CNR <input type="checkbox"/> ER <input type="checkbox"/> NOR <input type="checkbox"/> SWR <input type="checkbox"/> WCR <input type="checkbox"/> IEB <input type="checkbox"/> EAA <input type="checkbox"/> EMR <input type="checkbox"/> SCB <input type="checkbox"/> SDW	

1. Requester Data

Last Name Lopers	First Name Luke	Middle Initial A
Title Principal	Company Name Lopers & Associates	

Mailing Address

Unit Number	Street Number 30	Street Name Lansfield Way	PO Box
City/Town Ottawa		Province Ontario	Postal Code K2G 3V8
Email Address Luke@Lopers.ca		Telephone Number 613 327-9073 ext.	Fax Number

Project/Reference Number LOP20-004	Signature of Requester 
--	--

2. Request Parameters

Municipal Address (Municipal address mandatory for cities, towns or regions)

Unit Number	Street Number 2829	Street Name Dumaurier Avenue	PO Box
Lot Number	Concession	Geographic Township	
City/Town/Village Ottawa		Province Ontario	Postal Code K2B 7W3

Present Property

1. Owner 1248816 Ontario Inc.	Date of Ownership (yyyy/mm/dd) 1997/10/01
Tenant (if applicable)	

Previous Property

1. Owner	Date of Ownership (yyyy/mm/dd)
Tenant (if applicable)	

3. Search Parameters

Search Parameters	Specify Year(s) Requested
Environmental concerns (General correspondence, occurrence reports, abatement)	All
Orders	All
Spills	All
Investigations/prosecutions ► Owner and tenant information must be provided	All
Waste Generator number/classes	All

Files older than 2 years may require \$60.00 retrieval cost. There is no guarantee that records responsive to your request will be located.

4. Environmental Compliance Approvals/Certificates of Approval

Environmental Compliance Approvals/Certificates of Approval	SD	Specify Year(s) Requested
air - emissions	<input checked="" type="checkbox"/>	
renewable energy	<input checked="" type="checkbox"/>	
water - mains, treatment, ground level, standpipes & elevated storage, pumping stations (local & booster)	<input checked="" type="checkbox"/>	
sewage - sanitary, storm, treatment, stormwater, leachate & leachate treatment & sewage pump stations	<input checked="" type="checkbox"/>	
waste water - industrial discharge	<input checked="" type="checkbox"/>	
waste sites - disposal, landfill sites, transfer stations, processing sites, incinerator sites	<input checked="" type="checkbox"/>	
waste systems - haulers: sewage, non-hazardous & hazardous waste, mobile waste processing units, PCB destruction	<input checked="" type="checkbox"/>	

Proponent information must be provided and Environmental Compliance Approval/Certificate of Approval number(s) (if known). 1985 and prior records are searched manually. Search fees in excess of \$300.00 may be incurred, depending on the types and years to be searched. Specify Approval number(s) (if known). If supporting documents are also required, mark SD box and specify type e.g. maps, plans, reports, etc.

Appendix F

Technical Standards and Safety Authority Correspondence

From: [Public Information Services](#)
To: [Luke Lopers](#)
Subject: RE: TSSA Records Search Request - Environmental Research
Date: July 16, 2020 8:15:18 PM
Attachments: [image001.jpg](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[image005.png](#)

No Records Found

Thank you for your request for confirmation of public information.

- We confirm that there are **no fuel storage tanks records** in our database at the subject address(es).

For a further search in our archives 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 publicinformationsservices@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).

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,



Connie Hill | Public Information Agent

Facilities

345 Carlingview Drive
Toronto, Ontario M9W 6N9

Tel: +1-416-734-3383 | Fax: +1-416-231-6183 | E-Mail: publicinformationsservices@tssa.org

www.tssa.org



From: Luke Lopers <Luke@lopers.ca>
Sent: July 16, 2020 5:06 PM
To: Public Information Services <publicinformationsservices@tssa.org>
Subject: TSSA Records Search Request - Environmental Research

[CAUTION]: This email originated outside the organisation.

Please do not click links or open attachments unless you recognise the source of this email and know the content is safe.

Good afternoon,

Could you please search the TSSA database for records of fuel storage tanks, spills, incidents or infractions for the following addresses located in the City of Ottawa (**formerly Nepean**), ON:

- 2821, 2829, 2831, 2850, 2851, 2865, 2891 DuMaurier Avenue
- 1085 Grenon Avenue

Thank you for your time,

Luke Lopers, P.Eng.

Principal

LOPERS & ASSOCIATES

Cell: 613-327-9073 Email: Luke@Lopers.ca

30 Lansfield Way, Ottawa, Ontario K2G 3V8

This electronic message and any attached documents are intended only for the named recipients. This communication from the Technical Standards and Safety Authority may contain information that is privileged, confidential or otherwise protected from disclosure and it must not be disclosed, copied, forwarded or distributed without authorization. If you have received this message in error, please notify the sender immediately and delete the original message.

Appendix G

City of Ottawa Historic Land Use Inventory (HLUI)



File Number: D06-03-20-0129

August 28, 2020

Loopers & Associates
30 Lansfield Way, Ottawa

Sent via email [luke@loopers.ca]

Dear Luke,

Re: Information Request
2829 Dumaaurier, Ottawa, Ontario (“Subject Property”)

Internal Department Circulation

The Planning, Infrastructure and Economic Development Department has the following information in response to your request for information regarding the Subject Property:

- **Disposals and Environmental Remediation Unit:** The City’s Environmental Remediation Unit has environmental records on file pertaining to the subject property noted above either directly on or adjacent to the subject property. To submit requests for information under the Municipal Freedom of Information and Protection of Privacy Act, please visit <https://ottawa.ca/en/city-hall/accountabilityand-transparency/accountability-framework/freedom-information-and-protectionprivacy/access-information>

Search of Historical Land Use Inventory

This acknowledges receipt of the signed Disclaimer regarding your request for information from the City’s Historical Land Use Inventory (HLUI 2005) database for the Subject Property.

A search of the HLUI database revealed the following information:

- There is one activity associated with the Subject Property.

The HLUI database was also searched for activity associated with properties located within 250m of the Subject Property. The search revealed the following:

- There are six activities associated with four properties located within 250m of the Subject Property.

Shaping our future together
Ensemble, formons notre avenir

City of Ottawa
Planning, Infrastructure and Economic
Development Department

110 Laurier Avenue West, 4th Floor
Ottawa, ON K1P 1J1
Tel: (613) 580-2424 ext. 21690
Fax: (613) 560-6006
www.ottawa.ca

Ville d'Ottawa
Services de la planification, de l'infrastructure et
du développement économique

110, avenue Laurier Ouest, 4e étage
Ottawa (Ontario) K1P 1J1
Tél.: (613) 580-2424 ext. 21690
Télééc: (613) 560-6006
www.ottawa.ca

Please note that certain activities have been identified to have a PIN Certainty of “2”. This identifier acknowledges that there is some uncertainty about the exact location of the land use activity and that the activity may or may not have been located on the property. All database entries with a PIN Certainty of “2” require independent verification as to their precise location.

A **site map** and **table** have been included to show the location of the Subject Property as well as the location of all the activities noted above, including the HLUI database’s location of the Activity Numbers with a PIN Certainty of “2”.

Additional information may be obtained by contacting:

Ontario’s Environmental Registry

The Environmental Registry found at <http://www.ebr.gov.on.ca/ERS-WEB-External/> contains "public notices" about environmental matters being proposed by all government ministries covered by the Environmental Bill of Rights. The public notices may contain information about proposed new laws, regulations, policies and programs or about proposals to change or eliminate existing ones. By using keys words i.e. name of proponent/owner and the address one can ascertain if there is any information on the proponent and address under the following categories: Ministry, keywords, notice types, Notice Status, Acts, Instruments and published date (all years).

The Ontario Land Registry Office

Registration of real property is recorded in the Ontario Land Registry Office through the Land Titles Act or the Registry Act. Documents relating to title and other agreements that may affect your property are available to the public for a fee. It is recommended that a property search at the Land Registry Office be included in any investigation as to the historic use of your property. The City of Ottawa cannot comment on any documents to which it is not a party.

Court House
161 Elgin Street 4th Floor
Ottawa ON K2P 2K1
Tel: (613) 239-1230
Fax: (613) 239-1422

Please note, as per the HLUI Disclaimer, that the information contained in the HLUI database has been compiled from publicly available records and other sources of information. The HLUI may contain erroneous information given that the records used as sources of information may be flawed. For instance, changes in municipal addresses over time may introduce error. Accordingly, all information from the HLUI database is provided on an “as is” basis with no representation or warranty by the City with respect to the information’s accuracy or exhaustiveness in responding to the request.

Furthermore, the HLUI database and the results of this search in no way confirm the presence or absence of contamination or pollution of any kind. This information is provided on the assumption that it will not be relied upon by any person for any purpose whatsoever. The City of Ottawa denies all liability to any persons attempting to rely on any information provided from the HLUI database.

Please note that in responding to your request, the City of Ottawa does not guarantee or comment on the environmental condition of the Subject Property. You may wish to contact the Ontario Ministry of Environment and Climate Change for additional information.

If you have any further questions or comments, please contact Insert Your Name at 613-580-2424 ext. 23493 or HLUI@ottawa.ca

Sincerely,

A handwritten signature in black ink, appearing to read "Michael Boughton".

Insert Your Name

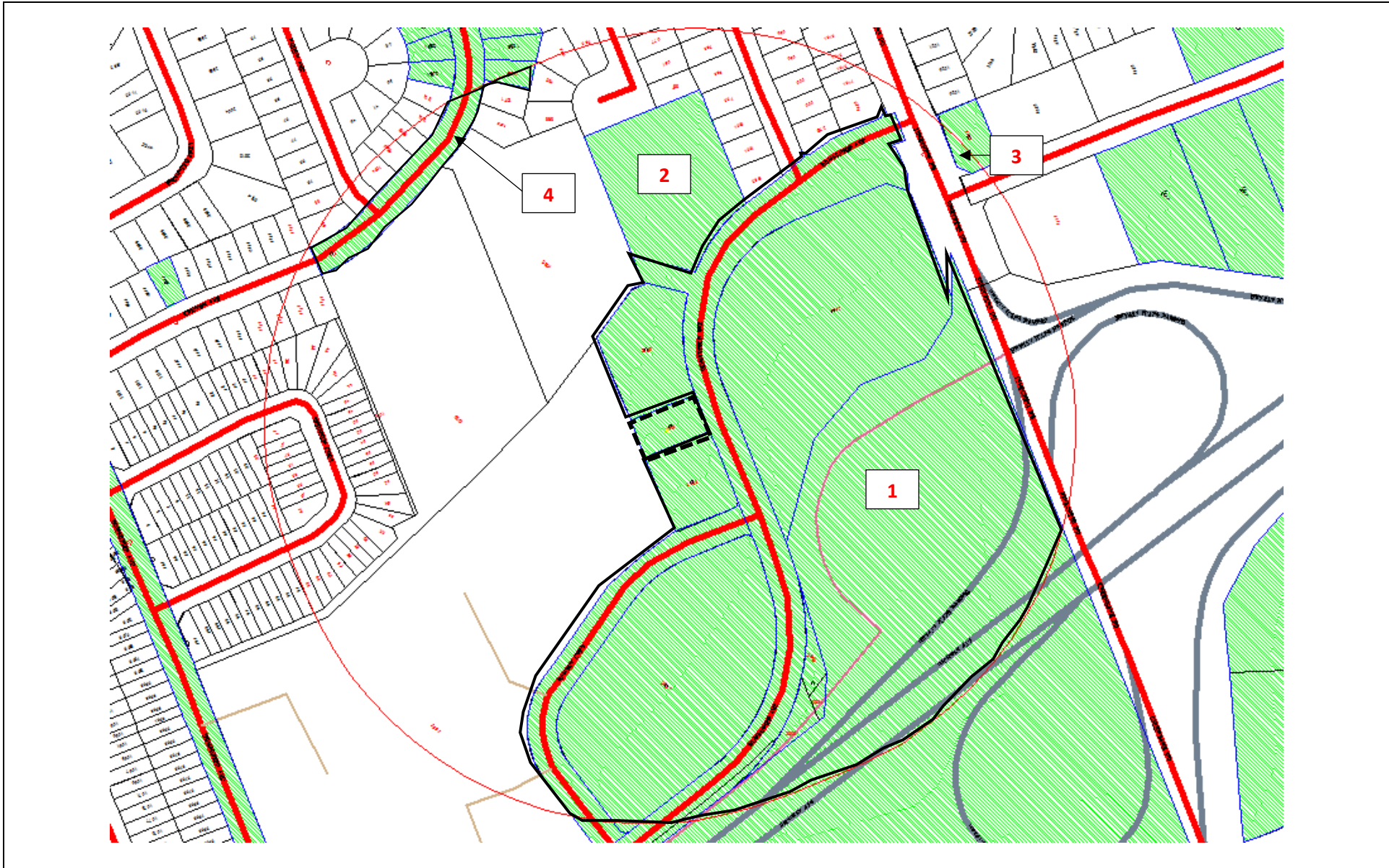
Per:

Michael Boughton, MCIP, RPP
Senior Planner
Development Review East
Planning Services
Planning, Infrastructure and Economic Development Department

MB / SE

Enclosures.

cc: File no. D06-03-20-0129



Address: 2829 Dumaier Avenue
Ottawa, ON

File No.: D06-03-20-0129

Prepared By: Sarah Ezzio

Legend:

- 00 Area Number
- Subject Site
- 250 m Buffer

Scale: 1 : N/A



Area	Associated HLUI Activities	Associated HLUI Activities with a PIN Certainty of "2" *
Subject Property	14515	
1	14515	
2	10887	
3	11794, 11830, 15	
4	14509	

*This identifier acknowledges that there is some uncertainty about the exact location of the land use activity and that the activity may or may not have been located on the property. All database entries with a PIN Certainty of "2" require independent verification as to their precise location.



Historical Land Use Inventory

Subject Property

Activity Numbers



CITY OF OTTAWA

HLUI ID: __670HFI

AREA (Square Metres): 1275.730

Report: RPTC_OT_DEV0122

Run On: 28 Aug 2020 at: 12:47:03

Study Year
1998

PIN
039440237

Multi-NAIC
Y

Multiple Activities
N

Activity ID: 14515 **Multiple PINS:** Y

PIN Certainty: 1 **Previous Activity ID(s) :** 6190, 6060, 6064, 6082, 6077, 6084, 6094, 6095, 6098, 6099, 6102, 6103, 6105, 6108, 6109, 6110, 6111, 6112, 6115, 6117, 6121, 6122, 6124, 6125, 6127, 6129, 6130, 6190, 6191, 6192, 6193, 6198, 6200, 6202, 6203, 6238, 6240, 6243, 6245, 6280, 6282, 6284, 62

Related PINS: 041330051

Name: UNNAMED WASTE DISPOSAL SITE

Address: , OTTAWA

Facility Type: Other Utility Industries n.e.c.

Comments 1: UTM = 445870E, 5028130N, map 31G/5. Site #X1102 of closed sites in the MOE inventory (pg134).

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: 1991-WDSI/WMB/MOE; RBE 1992; MC Staff, 19/02/99; 1922DMD-TM-Ottawa-Sheet #14, 1948DND-ASE-NTS-31G/5, 1967-EMR-SMB-NTS-31G/5-7th ed., 1985-EMR-SMB-NTS-31G/5-11th ed., City of Gloucester-File #8-400-Box 130;

HL References 2: City of Gloucester File # 6-79A: Subject-Health/Dumping -Box 75 -28/12/64; 1938-39-DND-ASE-NTS-31B/13W-2nd ed., 1964-DND-MCE-NTS-31B/13-3rd ed., 1976-EMR-SMB-NTS-31B/13-4th ed., 1979-EMR-SMB-NTS-31B/13-5th ed.

HL References 3:

NAICS	SIC
562210	499
221330	499
221320	499
562920	499
562990	499



CITY OF OTTAWA
HLUI ID: __670HFI
AREA (Square Metres): 1275.730

Report: RPTC_OT_DEV0122

Run On: 28 Aug 2020 at: 12:47:03

Study Year
1998

PIN
039440237

Multi-NAIC
Y

Multiple Activities
N

Company Name

Year of Operation

Unnamed Waste Disposal Site	c. <1991
Unnamed Waste Disposal Site	c. 1953
Unnamed Waste Disposal Site	c. 1946
Unnamed Waste Disposal Site	c. 1924
Unnamed Waste Disposal Site	c. 1958
Unnamed Waste Disposal Site	c. 1979
Unnamed Waste Disposal Site	c. 1965
Unnamed Waste Disposal Site	c. 1974
Unnamed Waste Disposal Site	c. 1920-1931
Unnamed Waste Disposal Site	c. 1973
Unnamed Waste Disposal Site	c. 1927
Unnamed Waste Disposal Site	c. 1966-1991
Unnamed Waste Disposal Site	c. 1947
Unnamed Waste Disposal Site	c. 1976
Unnamed Waste Disposal Site	c. 1940
Unnamed Waste Disposal Site	c. 1962
Unnamed Waste Disposal Site	c. 1926
Unnamed Waste Disposal Site	c. 1944
Unnamed Waste Disposal Site	c. 1972
Unnamed Waste Disposal Site	c. 1935
Unnamed Waste Disposal Site	c. 1921-1945
Unnamed Waste Disposal Site	c. 1977
Unnamed Waste Disposal Site	c. 1947
Unnamed Waste Disposal Site	c. 1950
Unnamed Waste Disposal Site	c. 1981
Unnamed Waste Disposal Site	c. 1971
Unnamed Waste Disposal Site	c. 1963
Unnamed Waste Disposal Site	c. <1990
Unnamed Waste Disposal Site	c. 1964
Unnamed Waste Disposal Site	c. 1920
Unnamed Waste Disposal Site	c. 1938
Unnamed Waste Disposal Site	c. 1929



CITY OF OTTAWA

HLUI ID: __670HFI

AREA (Square Metres): 1275.730

Report: RPTC_OT_DEV0122

Run On: 28 Aug 2020 at: 12:47:03

Study Year
1998

PIN
039440237

Multi-NAIC
Y

Multiple Activities
N

Unnamed Waste Disposal Site

c. 1966



Historical Land Use Inventory ***Adjacent Properties within 250m*** **Area & Activity Numbers**



Historical Land Use Inventory

Area 1 Activity Numbers



CITY OF OTTAWA

HLUI ID: __679F54

AREA (Square Metres): 2589.360

Report: RPTC_OT_DEV0122

Run On: 28 Aug 2020 at: 12:47:57

Study Year
1998

PIN
039440238

Multi-NAIC
Y

Multiple Activities
N

Activity ID: 14515 **Multiple PINS:** Y

PIN Certainty: 1 **Previous Activity ID(s) :** 6190, 6060, 6064, 6082, 6077, 6084, 6094, 6095, 6098, 6099, 6102, 6103, 6105, 6108, 6109, 6110, 6111, 6112, 6115, 6117, 6121, 6122, 6124, 6125, 6127, 6129, 6130, 6190, 6191, 6192, 6193, 6198, 6200, 6202, 6203, 6238, 6240, 6243, 6245, 6280, 6282, 6284, 62

Related PINS: 041330051

Name: UNNAMED WASTE DISPOSAL SITE

Address: , OTTAWA

Facility Type: Other Utility Industries n.e.c.

Comments 1: UTM = 445870E, 5028130N, map 31G/5. Site #X1102 of closed sites in the MOE inventory (pg134).

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: 1991-WDSI/WMB/MOE; RBE 1992; MC Staff, 19/02/99; 1922DMD-TM-Ottawa-Sheet #14, 1948DND-ASE-NTS-31G/5, 1967-EMR-SMB-NTS-31G/5-7th ed., 1985-EMR-SMB-NTS-31G/5-11th ed., City of Gloucester-File #8-400-Box 130;

HL References 2: City of Gloucester File # 6-79A: Subject-Health/Dumping -Box 75 -28/12/64; 1938-39-DND-ASE-NTS-31B/13W-2nd ed., 1964-DND-MCE-NTS-31B/13-3rd ed., 1976-EMR-SMB-NTS-31B/13-4th ed., 1979-EMR-SMB-NTS-31B/13-5th ed.

HL References 3:

NAICS	SIC
562210	499
221330	499
221320	499
562920	499
562990	499



CITY OF OTTAWA
HLUI ID: __679F54
AREA (Square Metres): 2589.360

Report: RPTC_OT_DEV0122

Run On: 28 Aug 2020 at: 12:47:57

Study Year
1998

PIN
039440238

Multi-NAIC
Y

Multiple Activities
N

Company Name

Year of Operation

Unnamed Waste Disposal Site	c. <1991
Unnamed Waste Disposal Site	c. 1953
Unnamed Waste Disposal Site	c. 1946
Unnamed Waste Disposal Site	c. 1924
Unnamed Waste Disposal Site	c. 1958
Unnamed Waste Disposal Site	c. 1979
Unnamed Waste Disposal Site	c. 1965
Unnamed Waste Disposal Site	c. 1974
Unnamed Waste Disposal Site	c. 1920-1931
Unnamed Waste Disposal Site	c. 1973
Unnamed Waste Disposal Site	c. 1927
Unnamed Waste Disposal Site	c. 1966-1991
Unnamed Waste Disposal Site	c. 1947
Unnamed Waste Disposal Site	c. 1976
Unnamed Waste Disposal Site	c. 1940
Unnamed Waste Disposal Site	c. 1962
Unnamed Waste Disposal Site	c. 1926
Unnamed Waste Disposal Site	c. 1944
Unnamed Waste Disposal Site	c. 1972
Unnamed Waste Disposal Site	c. 1935
Unnamed Waste Disposal Site	c. 1921-1945
Unnamed Waste Disposal Site	c. 1977
Unnamed Waste Disposal Site	c. 1947
Unnamed Waste Disposal Site	c. 1950
Unnamed Waste Disposal Site	c. 1981
Unnamed Waste Disposal Site	c. 1971
Unnamed Waste Disposal Site	c. 1963
Unnamed Waste Disposal Site	c. <1990
Unnamed Waste Disposal Site	c. 1964
Unnamed Waste Disposal Site	c. 1920
Unnamed Waste Disposal Site	c. 1938
Unnamed Waste Disposal Site	c. 1929



CITY OF OTTAWA

HLUI ID: __679F54

AREA (Square Metres): 2589.360

Report: RPTC_OT_DEV0122

Run On: 28 Aug 2020 at: 12:47:57

Study Year
1998

PIN
039440238

Multi-NAIC
Y

Multiple Activities
N

Unnamed Waste Disposal Site

c. 1966



CITY OF OTTAWA

HLUI ID: __679GM5

AREA (Square Metres): 5980.858

Report: RPTC_OT_DEV0122

Run On: 28 Aug 2020 at: 12:48:44

Study Year
1998

PIN
039440613

Multi-NAIC
Y

Multiple Activities
N

Activity ID: 14515 **Multiple PINS:** Y

PIN Certainty: 1 **Previous Activity ID(s) :** 6190, 6060, 6064, 6082, 6077, 6084, 6094, 6095, 6098, 6099, 6102, 6103, 6105, 6108, 6109, 6110, 6111, 6112, 6115, 6117, 6121, 6122, 6124, 6125, 6127, 6129, 6130, 6190, 6191, 6192, 6193, 6198, 6200, 6202, 6203, 6238, 6240, 6243, 6245, 6280, 6282, 6284, 62

Related PINS: 041330051

Name: UNNAMED WASTE DISPOSAL SITE

Address: , OTTAWA

Facility Type: Other Utility Industries n.e.c.

Comments 1: UTM = 445870E, 5028130N, map 31G/5. Site #X1102 of closed sites in the MOE inventory (pg134).

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: 1991-WDSI/WMB/MOE; RBE 1992; MC Staff, 19/02/99; 1922DMD-TM-Ottawa-Sheet #14, 1948DND-ASE-NTS-31G/5, 1967-EMR-SMB-NTS-31G/5-7th ed., 1985-EMR-SMB-NTS-31G/5-11th ed., City of Gloucester-File #8-400-Box 130;

HL References 2: City of Gloucester File # 6-79A: Subject-Health/Dumping -Box 75 -28/12/64; 1938-39-DND-ASE-NTS-31B/13W-2nd ed., 1964-DND-MCE-NTS-31B/13-3rd ed., 1976-EMR-SMB-NTS-31B/13-4th ed., 1979-EMR-SMB-NTS-31B/13-5th ed.

HL References 3:

NAICS	SIC
562210	499
221330	499
221320	499
562920	499
562990	499



CITY OF OTTAWA

HLUI ID: __679GM5

AREA (Square Metres): 5980.858

Report: RPTC_OT_DEV0122

Run On: 28 Aug 2020 at: 12:48:44

Study Year
1998

PIN
039440613

Multi-NAIC
Y

Multiple Activities
N

Company Name

Year of Operation

Unnamed Waste Disposal Site	c. <1991
Unnamed Waste Disposal Site	c. 1953
Unnamed Waste Disposal Site	c. 1946
Unnamed Waste Disposal Site	c. 1924
Unnamed Waste Disposal Site	c. 1958
Unnamed Waste Disposal Site	c. 1979
Unnamed Waste Disposal Site	c. 1965
Unnamed Waste Disposal Site	c. 1974
Unnamed Waste Disposal Site	c. 1920-1931
Unnamed Waste Disposal Site	c. 1973
Unnamed Waste Disposal Site	c. 1927
Unnamed Waste Disposal Site	c. 1966-1991
Unnamed Waste Disposal Site	c. 1947
Unnamed Waste Disposal Site	c. 1976
Unnamed Waste Disposal Site	c. 1940
Unnamed Waste Disposal Site	c. 1962
Unnamed Waste Disposal Site	c. 1926
Unnamed Waste Disposal Site	c. 1944
Unnamed Waste Disposal Site	c. 1972
Unnamed Waste Disposal Site	c. 1935
Unnamed Waste Disposal Site	c. 1921-1945
Unnamed Waste Disposal Site	c. 1977
Unnamed Waste Disposal Site	c. 1947
Unnamed Waste Disposal Site	c. 1950
Unnamed Waste Disposal Site	c. 1981
Unnamed Waste Disposal Site	c. 1971
Unnamed Waste Disposal Site	c. 1963
Unnamed Waste Disposal Site	c. <1990
Unnamed Waste Disposal Site	c. 1964
Unnamed Waste Disposal Site	c. 1920
Unnamed Waste Disposal Site	c. 1938
Unnamed Waste Disposal Site	c. 1929



CITY OF OTTAWA

HLUI ID: __679GM5

AREA (Square Metres): 5980.858

Report: RPTC_OT_DEV0122

Run On: 28 Aug 2020 at: 12:48:44

Study Year
1998

PIN
039440613

Multi-NAIC
Y

Multiple Activities
N

Unnamed Waste Disposal Site

c. 1966



CITY OF OTTAWA

HLUI ID: __679BED

AREA (Square Metres): 18614.067

Report: RPTC_OT_DEV0122

Run On: 28 Aug 2020 at: 12:49:08

Study Year

PIN
039440608

Multi-NAIC
N

Multiple Activities
N

Activity ID: 14515 **Multiple PINS:** Y

PIN Certainty: 1 **Previous Activity ID(s) :** 6190, 6060, 6064, 6082, 6077, 6084, 6094, 6095, 6098, 6099, 6102, 6103, 6105, 6108, 6109, 6110, 6111, 6112, 6115, 6117, 6121, 6122, 6124, 6125, 6127, 6129, 6130, 6190, 6191, 6192, 6193, 6198, 6200, 6202, 6203, 6238, 6240, 6243, 6245, 6280, 6282, 6284, 62

Related PINS: 041330051

Name: UNNAMED WASTE DISPOSAL SITE

Address: , OTTAWA

Facility Type: Other Utility Industries n.e.c.

Comments 1: UTM = 445870E, 5028130N, map 31G/5. Site #X1102 of closed sites in the MOE inventory (pg134).

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: 1991-WDSI/WMB/MOE; RBE 1992; MC Staff, 19/02/99; 1922DMD-TM-Ottawa-Sheet #14, 1948DND-ASE-NTS-31G/5, 1967-EMR-SMB-NTS-31G/5-7th ed., 1985-EMR-SMB-NTS-31G/5-11th ed., City of Gloucester-File #8-400-Box 130;

HL References 2: City of Gloucester File # 6-79A: Subject-Health/Dumping -Box 75 -28/12/64; 1938-39-DND-ASE-NTS-31B/13W-2nd ed., 1964-DND-MCE-NTS-31B/13-3rd ed., 1976-EMR-SMB-NTS-31B/13-4th ed., 1979-EMR-SMB-NTS-31B/13-5th ed.

HL References 3:

NAICS	SIC
562210	499
221330	499
221320	499
562920	499
562990	499



CITY OF OTTAWA

HLUI ID: __679BED

AREA (Square Metres): 18614.067

Report: RPTC_OT_DEV0122

Run On: 28 Aug 2020 at: 12:49:08

Study Year

PIN
039440608

Multi-NAIC
N

Multiple Activities
N

Company Name

Year of Operation

Unnamed Waste Disposal Site	c. <1991
Unnamed Waste Disposal Site	c. 1953
Unnamed Waste Disposal Site	c. 1946
Unnamed Waste Disposal Site	c. 1924
Unnamed Waste Disposal Site	c. 1958
Unnamed Waste Disposal Site	c. 1979
Unnamed Waste Disposal Site	c. 1965
Unnamed Waste Disposal Site	c. 1974
Unnamed Waste Disposal Site	c. 1920-1931
Unnamed Waste Disposal Site	c. 1973
Unnamed Waste Disposal Site	c. 1927
Unnamed Waste Disposal Site	c. 1966-1991
Unnamed Waste Disposal Site	c. 1947
Unnamed Waste Disposal Site	c. 1976
Unnamed Waste Disposal Site	c. 1940
Unnamed Waste Disposal Site	c. 1962
Unnamed Waste Disposal Site	c. 1926
Unnamed Waste Disposal Site	c. 1944
Unnamed Waste Disposal Site	c. 1972
Unnamed Waste Disposal Site	c. 1935
Unnamed Waste Disposal Site	c. 1921-1945
Unnamed Waste Disposal Site	c. 1977
Unnamed Waste Disposal Site	c. 1947
Unnamed Waste Disposal Site	c. 1950
Unnamed Waste Disposal Site	c. 1981
Unnamed Waste Disposal Site	c. 1971
Unnamed Waste Disposal Site	c. 1963
Unnamed Waste Disposal Site	c. <1990
Unnamed Waste Disposal Site	c. 1964
Unnamed Waste Disposal Site	c. 1920
Unnamed Waste Disposal Site	c. 1938
Unnamed Waste Disposal Site	c. 1929



CITY OF OTTAWA
HLUI ID: __679BED
AREA (Square Metres): 18614.067

Report: RPTC_OT_DEV0122
Run On: 28 Aug 2020 at: 12:49:08

Study Year

PIN
039440608

Multi-NAIC
N

Multiple Activities
N

Unnamed Waste Disposal Site

c. 1966



CITY OF OTTAWA

HLUI ID: __670IP9

AREA (Square Metres): 27747.960

Report: RPTC_OT_DEV0122

Run On: 28 Aug 2020 at: 12:49:51

Study Year
1998

PIN
039440608

Multi-NAIC
Y

Multiple Activities
N

Activity ID: 14515 **Multiple PINS:** Y

PIN Certainty: 1 **Previous Activity ID(s) :** 6190, 6060, 6064, 6082, 6077, 6084, 6094, 6095, 6098, 6099, 6102, 6103, 6105, 6108, 6109, 6110, 6111, 6112, 6115, 6117, 6121, 6122, 6124, 6125, 6127, 6129, 6130, 6190, 6191, 6192, 6193, 6198, 6200, 6202, 6203, 6238, 6240, 6243, 6245, 6280, 6282, 6284, 62

Related PINS: 041330051

Name: UNNAMED WASTE DISPOSAL SITE

Address: , OTTAWA

Facility Type: Other Utility Industries n.e.c.

Comments 1: UTM = 445870E, 5028130N, map 31G/5. Site #X1102 of closed sites in the MOE inventory (pg134).

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: 1991-WDSI/WMB/MOE; RBE 1992; MC Staff, 19/02/99; 1922DMD-TM-Ottawa-Sheet #14, 1948DND-ASE-NTS-31G/5, 1967-EMR-SMB-NTS-31G/5-7th ed., 1985-EMR-SMB-NTS-31G/5-11th ed., City of Gloucester-File #8-400-Box 130;

HL References 2: City of Gloucester File # 6-79A: Subject-Health/Dumping -Box 75 -28/12/64; 1938-39-DND-ASE-NTS-31B/13W-2nd ed., 1964-DND-MCE-NTS-31B/13-3rd ed., 1976-EMR-SMB-NTS-31B/13-4th ed., 1979-EMR-SMB-NTS-31B/13-5th ed.

HL References 3:

NAICS	SIC
562210	499
221330	499
221320	499
562920	499
562990	499



CITY OF OTTAWA

HLUI ID: __670IP9

AREA (Square Metres): 27747.960

Report: RPTC_OT_DEV0122

Run On: 28 Aug 2020 at: 12:49:51

Study Year
1998

PIN
039440608

Multi-NAIC
Y

Multiple Activities
N

Company Name

Year of Operation

Unnamed Waste Disposal Site	c. <1991
Unnamed Waste Disposal Site	c. 1953
Unnamed Waste Disposal Site	c. 1946
Unnamed Waste Disposal Site	c. 1924
Unnamed Waste Disposal Site	c. 1958
Unnamed Waste Disposal Site	c. 1979
Unnamed Waste Disposal Site	c. 1965
Unnamed Waste Disposal Site	c. 1974
Unnamed Waste Disposal Site	c. 1920-1931
Unnamed Waste Disposal Site	c. 1973
Unnamed Waste Disposal Site	c. 1927
Unnamed Waste Disposal Site	c. 1966-1991
Unnamed Waste Disposal Site	c. 1947
Unnamed Waste Disposal Site	c. 1976
Unnamed Waste Disposal Site	c. 1940
Unnamed Waste Disposal Site	c. 1962
Unnamed Waste Disposal Site	c. 1926
Unnamed Waste Disposal Site	c. 1944
Unnamed Waste Disposal Site	c. 1972
Unnamed Waste Disposal Site	c. 1935
Unnamed Waste Disposal Site	c. 1921-1945
Unnamed Waste Disposal Site	c. 1977
Unnamed Waste Disposal Site	c. 1947
Unnamed Waste Disposal Site	c. 1950
Unnamed Waste Disposal Site	c. 1981
Unnamed Waste Disposal Site	c. 1971
Unnamed Waste Disposal Site	c. 1963
Unnamed Waste Disposal Site	c. <1990
Unnamed Waste Disposal Site	c. 1964
Unnamed Waste Disposal Site	c. 1920
Unnamed Waste Disposal Site	c. 1938
Unnamed Waste Disposal Site	c. 1929



CITY OF OTTAWA

HLUI ID: __670IP9

AREA (Square Metres): 27747.960

Report: RPTC_OT_DEV0122

Run On: 28 Aug 2020 at: 12:49:51

Study Year
1998

PIN
039440608

Multi-NAIC
Y

Multiple Activities
N

Unnamed Waste Disposal Site

c. 1966



CITY OF OTTAWA
 HLUI ID: __679BDB

Report: RPTC_OT_DEV0122
 Run On: 28 Aug 2020 at: 12:50:13

AREA (Square Metres): 1427.705

Study Year

PIN
039440624

Multi-NAIC
N

Multiple Activities
N

Activity ID: 14515 Multiple PINS: Y
 PIN Certainty: 1 Previous Activity ID(s) : 6190, 6060, 6064, 6082, 6077, 6084, 6094, 6095,
 6098, 6099, 6102, 6103, 6105, 6108, 6109, 6110,
 6111, 6112, 6115, 6117, 6121, 6122, 6124, 6125,
 6127, 6129, 6130, 6190, 6191, 6192, 6193, 6198,
 6200, 6202, 6203, 6238, 6240, 6243, 6245, 6280,
 6282, 6284, 62

Related PINS: 041330051

Name: UNNAMED WASTE DISPOSAL SITE

Address: , OTTAWA

Facility Type: Other Utility Industries n.e.c.

Comments 1: UTM = 445870E, 5028130N, map 31G/5. Site #X1102 of closed sites in the MOE inventory (pg134).

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: 1991-WDSI/WMB/MOE; RBE 1992; MC Staff, 19/02/99; 1922DMD-TM-Ottawa-Sheet #14,
 1948DND-ASE-NTS-31G/5, 1967-EMR-SMB-NTS-31G/5-7th ed., 1985-EMR-SMB-NTS-31G/5-11th ed., City of
 Gloucester-File #8-400-Box 130;
 HL References 2: City of Gloucester File # 6-79A: Subject-Health/Dumping -Box 75 -28/12/64; 1938-39-DND-ASE-NTS-31B/13W-2nd
 ed., 1964-DND-MCE-NTS-31B/13-3rd ed., 1976-EMR-SMB-NTS-31B/13-4th ed., 1979-EMR-SMB-NTS-31B/13-5th
 ed.
 HL References 3:

NAICS	SIC
562210	499
221330	499
221320	499
562920	499
562990	499



CITY OF OTTAWA
HLUI ID: __679BDB
AREA (Square Metres): 1427.705

Report: RPTC_OT_DEV0122
Run On: 28 Aug 2020 at: 12:50:13

Study Year

PIN
039440624

Multi-NAIC
N

Multiple Activities
N

Company Name

Year of Operation

Unnamed Waste Disposal Site	c. <1991
Unnamed Waste Disposal Site	c. 1953
Unnamed Waste Disposal Site	c. 1946
Unnamed Waste Disposal Site	c. 1924
Unnamed Waste Disposal Site	c. 1958
Unnamed Waste Disposal Site	c. 1979
Unnamed Waste Disposal Site	c. 1965
Unnamed Waste Disposal Site	c. 1974
Unnamed Waste Disposal Site	c. 1920-1931
Unnamed Waste Disposal Site	c. 1973
Unnamed Waste Disposal Site	c. 1927
Unnamed Waste Disposal Site	c. 1966-1991
Unnamed Waste Disposal Site	c. 1947
Unnamed Waste Disposal Site	c. 1976
Unnamed Waste Disposal Site	c. 1940
Unnamed Waste Disposal Site	c. 1962
Unnamed Waste Disposal Site	c. 1926
Unnamed Waste Disposal Site	c. 1944
Unnamed Waste Disposal Site	c. 1972
Unnamed Waste Disposal Site	c. 1935
Unnamed Waste Disposal Site	c. 1921-1945
Unnamed Waste Disposal Site	c. 1977
Unnamed Waste Disposal Site	c. 1947
Unnamed Waste Disposal Site	c. 1950
Unnamed Waste Disposal Site	c. 1981
Unnamed Waste Disposal Site	c. 1971
Unnamed Waste Disposal Site	c. 1963
Unnamed Waste Disposal Site	c. <1990
Unnamed Waste Disposal Site	c. 1964
Unnamed Waste Disposal Site	c. 1920
Unnamed Waste Disposal Site	c. 1938
Unnamed Waste Disposal Site	c. 1929



CITY OF OTTAWA

HLUI ID: __679BDB

AREA (Square Metres): 1427.705

Report: RPTC_OT_DEV0122

Run On: 28 Aug 2020 at: 12:50:13

Study Year

PIN
039440624

Multi-NAIC
N

Multiple Activities
N

Unnamed Waste Disposal Site

c. 1966



CITY OF OTTAWA

HLUI ID: __670IU5

AREA (Square Metres): 190508.471

Report: RPTC_OT_DEV0122

Run On: 28 Aug 2020 at: 12:50:53

Study Year
1998

PIN
039440624

Multi-NAIC
Y

Multiple Activities
N

Company Name

Year of Operation

Unnamed Waste Disposal Site	c. <1991
Unnamed Waste Disposal Site	c. 1953
Unnamed Waste Disposal Site	c. 1946
Unnamed Waste Disposal Site	c. 1924
Unnamed Waste Disposal Site	c. 1958
Unnamed Waste Disposal Site	c. 1979
Unnamed Waste Disposal Site	c. 1965
Unnamed Waste Disposal Site	c. 1974
Unnamed Waste Disposal Site	c. 1920-1931
Unnamed Waste Disposal Site	c. 1973
Unnamed Waste Disposal Site	c. 1927
Unnamed Waste Disposal Site	c. 1966-1991
Unnamed Waste Disposal Site	c. 1947
Unnamed Waste Disposal Site	c. 1976
Unnamed Waste Disposal Site	c. 1940
Unnamed Waste Disposal Site	c. 1962
Unnamed Waste Disposal Site	c. 1926
Unnamed Waste Disposal Site	c. 1944
Unnamed Waste Disposal Site	c. 1972
Unnamed Waste Disposal Site	c. 1935
Unnamed Waste Disposal Site	c. 1921-1945
Unnamed Waste Disposal Site	c. 1977
Unnamed Waste Disposal Site	c. 1947
Unnamed Waste Disposal Site	c. 1950
Unnamed Waste Disposal Site	c. 1981
Unnamed Waste Disposal Site	c. 1971
Unnamed Waste Disposal Site	c. 1963
Unnamed Waste Disposal Site	c. <1990
Unnamed Waste Disposal Site	c. 1964
Unnamed Waste Disposal Site	c. 1920
Unnamed Waste Disposal Site	c. 1938
Unnamed Waste Disposal Site	c. 1929



CITY OF OTTAWA

HLUI ID: __670IU5

AREA (Square Metres): 190508.471

Report: RPTC_OT_DEV0122

Run On: 28 Aug 2020 at: 12:50:53

Study Year
1998

PIN
039440624

Multi-NAIC
Y

Multiple Activities
N

Unnamed Waste Disposal Site

c. 1966



CITY OF OTTAWA

HLUI ID: __679GAY

AREA (Square Metres): 20883.094

Report: RPTC_OT_DEV0122

Run On: 28 Aug 2020 at: 12:51:38

Study Year
1998

PIN
039440236

Multi-NAIC
Y

Multiple Activities
N

Company Name

Year of Operation

Unnamed Waste Disposal Site	c. <1991
Unnamed Waste Disposal Site	c. 1953
Unnamed Waste Disposal Site	c. 1946
Unnamed Waste Disposal Site	c. 1924
Unnamed Waste Disposal Site	c. 1958
Unnamed Waste Disposal Site	c. 1979
Unnamed Waste Disposal Site	c. 1965
Unnamed Waste Disposal Site	c. 1974
Unnamed Waste Disposal Site	c. 1920-1931
Unnamed Waste Disposal Site	c. 1973
Unnamed Waste Disposal Site	c. 1927
Unnamed Waste Disposal Site	c. 1966-1991
Unnamed Waste Disposal Site	c. 1947
Unnamed Waste Disposal Site	c. 1976
Unnamed Waste Disposal Site	c. 1940
Unnamed Waste Disposal Site	c. 1962
Unnamed Waste Disposal Site	c. 1926
Unnamed Waste Disposal Site	c. 1944
Unnamed Waste Disposal Site	c. 1972
Unnamed Waste Disposal Site	c. 1935
Unnamed Waste Disposal Site	c. 1921-1945
Unnamed Waste Disposal Site	c. 1977
Unnamed Waste Disposal Site	c. 1947
Unnamed Waste Disposal Site	c. 1950
Unnamed Waste Disposal Site	c. 1981
Unnamed Waste Disposal Site	c. 1971
Unnamed Waste Disposal Site	c. 1963
Unnamed Waste Disposal Site	c. <1990
Unnamed Waste Disposal Site	c. 1964
Unnamed Waste Disposal Site	c. 1920
Unnamed Waste Disposal Site	c. 1938
Unnamed Waste Disposal Site	c. 1929



CITY OF OTTAWA

HLUI ID: __679GAY

AREA (Square Metres): 20883.094

Report: RPTC_OT_DEV0122

Run On: 28 Aug 2020 at: 12:51:38

Study Year
1998

PIN
039440236

Multi-NAIC
Y

Multiple Activities
N

Unnamed Waste Disposal Site

c. 1966



Historical Land Use Inventory

Area 2 Activity Numbers



CITY OF OTTAWA

HLUI ID: __679BSR

AREA (Square Metres): 8361.134

Report: RPTC_OT_DEV0122

Run On: 28 Aug 2020 at: 12:51:59

Study Year
2005

PIN
039440235

Multi-NAIC
N

Multiple Activities
N

Activity ID: 10887 **Multiple PINS:** N

PIN Certainty: 1 **Previous Activity ID(s) :**

Related PINS: 039440235

Name: PAROISSES CATHOLIQUES ROMAINES (OTTAWA)

Address: 2821 DUMAURIER AVENUE, OTTAWA

Facility Type: Electrical and Electronic Machinery, Equipment and Supplies, Wholesale

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2001 Employment Survey

NAICS	SIC
811210	0

Company Name

PAROISSES CATHOLIQUES ROMAINES (OTTAWA)

Year of Operation

c. 2001



Historical Land Use Inventory

Area 3 Activity Numbers



CITY OF OTTAWA
HLUI ID: __679FMX
AREA (Square Metres): 1324.885

Report: RPTC_OT_DEV0122
 Run On: 28 Aug 2020 at: 12:56:13

Study Year
1998

PIN
039570508

Multi-NAIC
Y

Multiple Activities
Y

Activity ID: 11794 **Multiple PINS:** N

PIN Certainty: 1 **Previous Activity ID(s) :**

Related PINS: 039570508

Name: ROY RUMP & SONS AUTOMOTIVE

Address: 1037 PINECREST ROAD,

Facility Type: Motor Vehicles, Wholesale

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2005 Select Phone

NAICS	SIC
811111	0

Company Name	Year of Operation
RUMP ROY & SONS TIRE & AUTO CENTRE	c. 2001
ROY RUMP & SONS AUTOMOTIVE	c. 2005



CITY OF OTTAWA
HLUI ID: __679FMX
AREA (Square Metres): 1324.885

Report: RPTC_OT_DEV0122

Run On: 28 Aug 2020 at: 12:56:13

Study Year
1998

PIN
039570508

Multi-NAIC
Y

Multiple Activities
Y

Activity ID: 11830 **Multiple PINS:** N

PIN Certainty: 1 **Previous Activity ID(s) :** 27

Related PINS: 039570508

Name: RUMP'S ESSO SERVICE STATION LIMITED

Address: 1037 PINECREST ROAD, OTTAWA

Facility Type: Gasoline Service Stations

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: M.1960, M.1970, M.1980

HL References 2:

HL References 3:

NAICS	SIC
811199	633
447190	633
447110	633

Company Name

Brennan's Esso Service Station

Rump's Esso Service Station Ltd.

Year of Operation

c. 1970

c. 1980-1998



CITY OF OTTAWA
HLUI ID: __679FMX
AREA (Square Metres): 1324.885

Report: RPTC_OT_DEV0122

Run On: 28 Aug 2020 at: 12:56:13

Study Year
1998

PIN
039570508

Multi-NAIC
Y

Multiple Activities
Y

Activity ID: 15 **Multiple PINS:** N

PIN Certainty: 1 **Previous Activity ID(s) :**

Related PINS: 039570508

Name: 1187461 ONTARIO LIMITED

Address: 1037 PINECREST ROAD, OTTAWA

Facility Type: Motor Vehicle Repair Shops

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2005 Property Assessment

NAICS	SIC
811111	0
811121	0
811119	0
811199	0
811112	0

Company Name

1187461 ONTARIO LIMITED

Year of Operation

c. 2005



Historical Land Use Inventory

Area 4 Activity Numbers



CITY OF OTTAWA

HLUI ID: __679ENQ

AREA (Square Metres): 557.501

Report: RPTC_OT_DEV0122

Run On: 28 Aug 2020 at: 12:57:16

Study Year
1998

PIN
039440185

Multi-NAIC
N

Multiple Activities
N

Activity ID: 14509 **Multiple PINS:** N

PIN Certainty: 1 **Previous Activity ID(s) :** 5801, 5751, 5753, 5754, 5762, 5767, 5769, 5770, 5772, 5774, 5837, 5838, 5840, 5846, 5849, 5852, 5853, 5854, 5855, 5856, 5861, 5869, 5870, 5871, 5872, 5874, 5875, 5884, 5886, 5887, 5889, 5890, 5891, 5896, 5898, 5899, 5893, 5901, 5903, 5907, 5908, 5909, 59

Related PINS: 045660173

Name: UNNAMED SAND/GRAVEL PIT
Address: , WEST CARLETON
Facility Type: Sand and Gravel Pits
Comments 1: UTM = 419300E, 5034300N. Area is 150m x 100m.
Comments 2:

Generator Number:

Storage Tanks:

HL References 1: 1922-DMD-TM-Ottawa-Sheet#14, 1948-DND-ASE-NTS-31G/5, 1967-EMR-SMB-NTS-31G/5-7th ed., 1985-EMR-SMB-NTS-31G/5-11th ed.; 1951-DND-ASE-NTS-31G/4E-4th ed., 1966-EMR-SMB-NTS-31G/4-5th ed., 1975-EMR-SMB-NTS-31G/4-6th ed., 1979-EMR-SMB-NTS-31G/4-7th ed.

HL References 2: 1951-DND-ASE-NTS-31F/8E-3rd ed., 1964-EMR-SMB-NTS-31F/8-5th ed., 1976-EMR-SMB-NTS-31F/8-7th ed., 1989-EMR-CCM-NTS-31F/8-8th ed.

HL References 3: 1991-WDSI/WMB/MOE

NAICS	SIC
221330	499
562990	499
221320	499
562920	499
212323	82
562210	499



CITY OF OTTAWA

HLUI ID: __679ENQ

AREA (Square Metres): 557.501

Report: RPTC_OT_DEV0122

Run On: 28 Aug 2020 at: 12:57:16

Study Year
1998

PIN
039440185

Multi-NAIC
N

Multiple Activities
N

Company Name

Year of Operation

Unnamed Sand/Gravel Pit	c. 1975
Unnamed Sand/Gravel Pit	c. 1975-1979
Unnamed Sand/Gravel Pit	c. 1948
Unnamed Sand/Gravel Pit	c. 1964-1976
Unnamed Sand/Gravel Pit	c. 1922-1948
Unnamed Sand/Gravel Pit	c. 12966-1979
Unnamed Sand/Gravel Pit	c. 1975
Unnamed Sand/Gravel Pit	c. 1976-1989
Unnamed sand/Gravel Pit	c. 1989
Unnamed Sand/Gravel Pit	c. 1975-1979
Unnamed Sand/Gravel Pit	c. 1985
Unnamed Sand/Gravel Pit	c. 1966
Unnamed Sand/Gravel Pit	c. 1976
Unnamed Sand/Gravel Pit	c. 1951
Unnamed Sand/Gravel Pit	c. 1966
Unnamed Sand/Gravel Pit	c. 1966-1979
Unnamed Sand/Gravel Pit	c. 1951-1976
Unnamed Sand/Gravel Pit	c. 1979
Unnamed Sand/Gravel Pit	c. 1971-1979
UNNAMED SAND/GRAVEL PIT	c. 1994
Unnamed Sand/Gravel Pit	c. 1967
Unnamed Sand/Gravel Pit	c. 1948-1967
Unnamed Sand/Gravel Pit	c. 1951-1979
Unnamed Sand/Gravel Pit	c. 1951-1979
Unnamed Sand/Gravel Pit	c. 1953-1971
Unnamed Sand/Gravel Pit	c. 1967-1985
Unnamed Sand/Gravel Pit	c. 1951
Unnamed Sand/Gravel Pit	c. 1966-1979
Unnamed Sand/Gravel Pit	c. 1966-1975
Unnamed Sand/Gravel Pit	c. 1966-1975
Unnamed Sand/Gravel Pit	c. 1989
Waste Disposal Site	c. 1971



CITY OF OTTAWA

HLUI ID: __679ENQ

AREA (Square Metres): 557.501

Report: RPTC_OT_DEV0122

Run On: 28 Aug 2020 at: 12:57:16

Study Year
1998

PIN
039440185

Multi-NAIC
N

Multiple Activities
N

Unnamed Sand/Gravel Pit

c. 1964-1989



CITY OF OTTAWA
 HLUI ID: __679GUB

Report: RPTC_OT_DEV0122
 Run On: 28 Aug 2020 at: 12:58:12

AREA (Square Metres): 8790.049

Study Year
 1998

PIN
 039440621

Multi-NAIC
 N

Multiple Activities
 N

Activity ID: 14509 Multiple PINS: N
 PIN Certainty: 1 Previous Activity ID(s) : 5801, 5751, 5753, 5754, 5762, 5767, 5769, 5770,
 5772, 5774, 5837, 5838, 5840, 5846, 5849, 5852,
 5853, 5854, 5855, 5856, 5861, 5869, 5870, 5871,
 5872, 5874, 5875, 5884, 5886, 5887, 5889, 5890,
 5891, 5896, 5898, 5899, 5893, 5901, 5903, 5907,
 5908, 5909, 59

Related PINS: 045660173

Name: UNNAMED SAND/GRAVEL PIT
 Address: , WEST CARLETON
 Facility Type: Sand and Gravel Pits
 Comments 1: UTM = 419300E, 5034300N. Area is 150m x 100m.
 Comments 2:

Generator Number:

Storage Tanks:

HL References 1: 1922-DMD-TM-Ottawa-Sheet#14, 1948-DND-ASE-NTS-31G/5, 1967-EMR-SMB-NTS-31G/5-7th ed.,
 1985-EMR-SMB-NTS-31G/5-11th ed.; 1951-DND-ASE-NTS-31G/4E-4th ed., 1966-EMR-SMB-NTS-31G/4-5th ed.,
 1975-EMR-SMB-NTS-31G/4-6th ed., 1979-EMR-SMB-NTS-31G/4-7th ed.

HL References 2: 1951-DND-ASE-NTS-31F/8E-3rd ed., 1964-EMR-SMB-NTS-31F/8-5th ed., 1976-EMR-SMB-NTS-31F/8-7th ed.,
 1989-EMR-CCM-NTS-31F/8-8th ed.

HL References 3: 1991-WDSI/WMB/MOE

NAICS	SIC
221330	499
562990	499
221320	499
562920	499
212323	82
562210	499



CITY OF OTTAWA

HLUI ID: __679GUB

AREA (Square Metres): 8790.049

Report: RPTC_OT_DEV0122

Run On: 28 Aug 2020 at: 12:58:12

Study Year
1998

PIN
039440621

Multi-NAIC
N

Multiple Activities
N

Company Name

Year of Operation

Unnamed Sand/Gravel Pit	c. 1975
Unnamed Sand/Gravel Pit	c. 1975-1979
Unnamed Sand/Gravel Pit	c. 1948
Unnamed Sand/Gravel Pit	c. 1964-1976
Unnamed Sand/Gravel Pit	c. 1922-1948
Unnamed Sand/Gravel Pit	c. 12966-1979
Unnamed Sand/Gravel Pit	c. 1975
Unnamed Sand/Gravel Pit	c. 1976-1989
Unnamed sand/Gravel Pit	c. 1989
Unnamed Sand/Gravel Pit	c. 1975-1979
Unnamed Sand/Gravel Pit	c. 1985
Unnamed Sand/Gravel Pit	c. 1966
Unnamed Sand/Gravel Pit	c. 1976
Unnamed Sand/Gravel Pit	c. 1951
Unnamed Sand/Gravel Pit	c. 1966
Unnamed Sand/Gravel Pit	c. 1966-1979
Unnamed Sand/Gravel Pit	c. 1951-1976
Unnamed Sand/Gravel Pit	c. 1979
Unnamed Sand/Gravel Pit	c. 1971-1979
UNNAMED SAND/GRAVEL PIT	c. 1994
Unnamed Sand/Gravel Pit	c. 1967
Unnamed Sand/Gravel Pit	c. 1948-1967
Unnamed Sand/Gravel Pit	c. 1951-1979
Unnamed Sand/Gravel Pit	c. 1951-1979
Unnamed Sand/Gravel Pit	c. 1953-1971
Unnamed Sand/Gravel Pit	c. 1967-1985
Unnamed Sand/Gravel Pit	c. 1951
Unnamed Sand/Gravel Pit	c. 1966-1979
Unnamed Sand/Gravel Pit	c. 1966-1975
Unnamed Sand/Gravel Pit	c. 1966-1975
Unnamed Sand/Gravel Pit	c. 1989
Waste Disposal Site	c. 1971



CITY OF OTTAWA

HLUI ID: __679GUB

AREA (Square Metres): 8790.049

Report: RPTC_OT_DEV0122

Run On: 28 Aug 2020 at: 12:58:12

Study Year
1998

PIN
039440621

Multi-NAIC
N

Multiple Activities
N

Unnamed Sand/Gravel Pit

c. 1964-1989

Appendix H

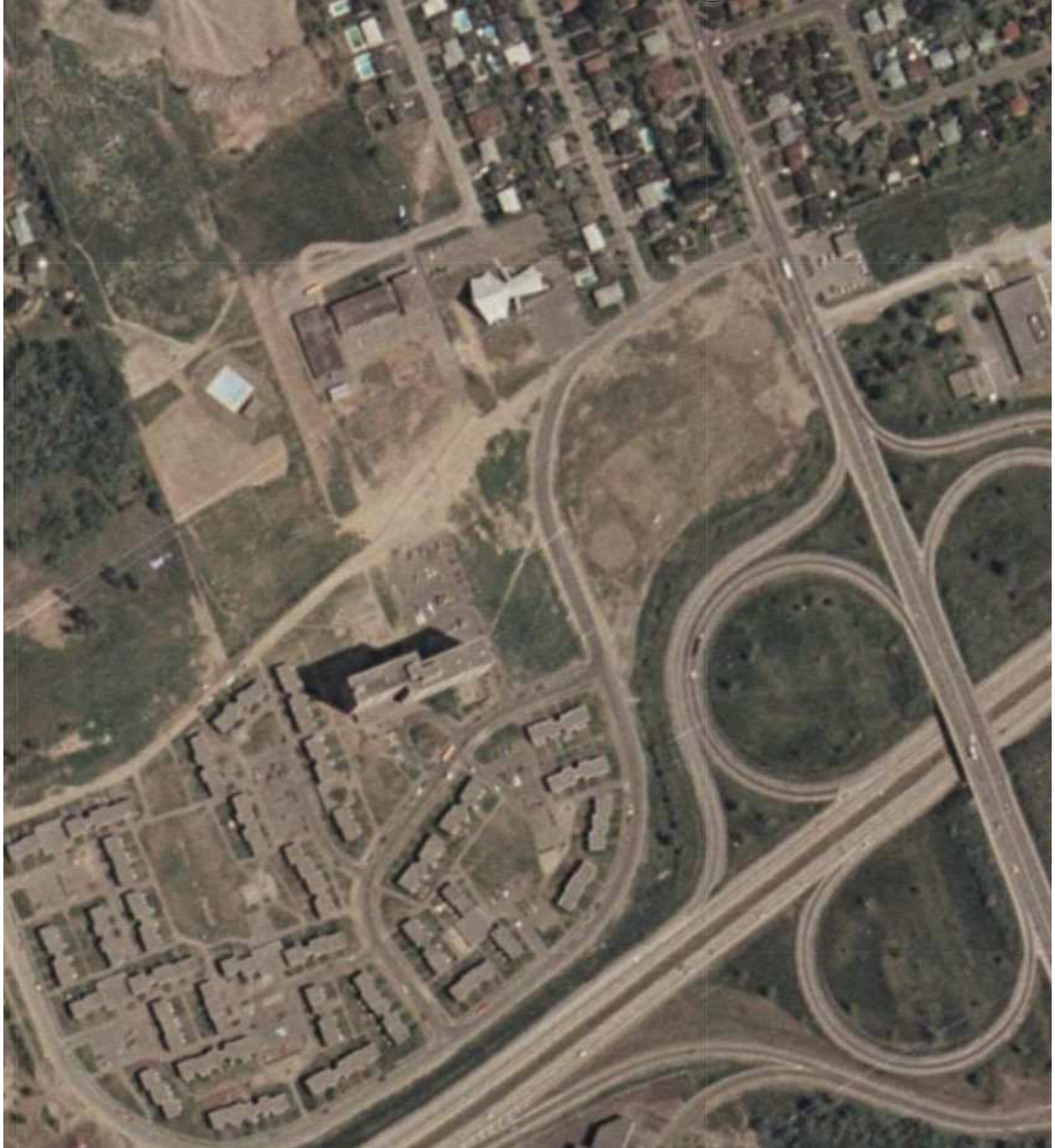
Aerial Photographs



1958 Aerial Photograph



1965 Aerial Photograph



1976 Aerial Photograph



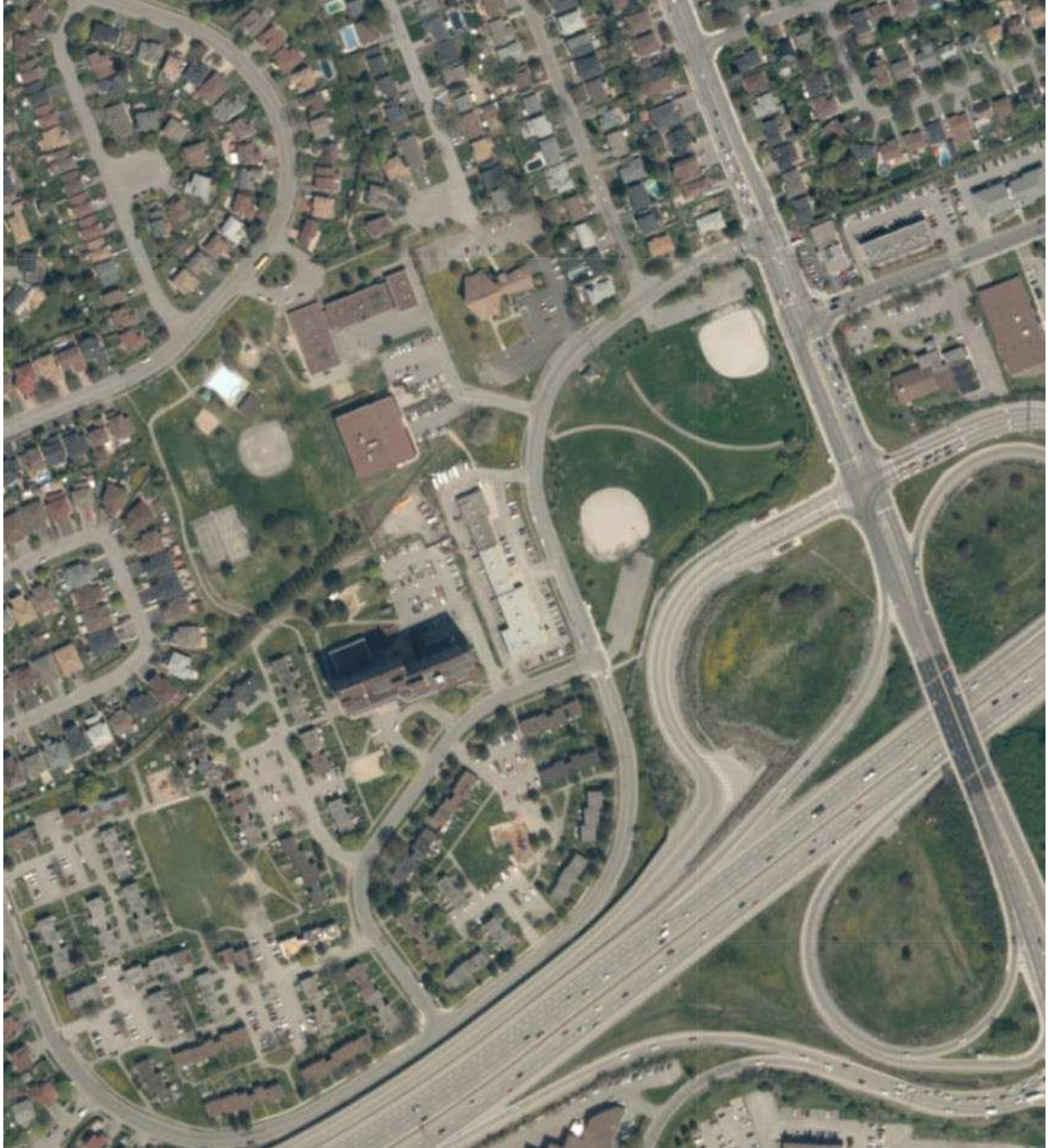
1991 Aerial Photograph



1999 Aerial Photograph



2005 Aerial Photograph



2017 Aerial Photograph

Appendix I

Topographic Map



Topographic Map

Appendix J

Photographic Log



Photograph 1: View of the east side of the Phase One Property, looking west-southwest from Dumauiier Avenue.



Photograph 2: View of west portion of the Phase One Property, looking north.



Photograph 3: View of the elevated northern portion of the Phase One Property, looking northwest.



Photograph 4: View of the elevated northern portion of the Phase One Property, looking northeast.



Photograph 5: View of the interior space of Barney's Pizza, the south commercial unit.



Photograph 6: View of the interior space of As-Sahaba Musala, the central commercial unit.



Photograph 7: View of the interior spaced of Halal Meat & Grocery, the north commercial unit.



Photograph 8: View of U-Haul parking on the central portion of the Phase One Property looking west.

Appendix K

Qualifications of Assessors



PROFILE

Mr. Lopers is an environmental engineer with over 12 years of experience in environmental engineering specializing in due diligence investigations. Mr. Lopers has extensive experience in Phase I and II Environmental Site Assessments; environmental remediation, and investigations; record of site condition submissions; asset inventory, designated substance surveys and abatement projects; environmental expertise on legal issues; and coordination of various monitoring programs (groundwater, surface water, air).

Mr. Lopers has participated in various Property Condition and Building Envelope mandates at various residential and commercial properties throughout Ontario.

Mr. Lopers has a strong commitment to health and safety, having experience leading a regional health and safety committee as a certified employee representative. Mr. Lopers has extensive training including OSHA 40-hour HAZWOPER, ASP Health and Safety on Construction Sites in Quebec, Ontario Working at Heights, Emergency First Aid/CPR and WHMIS.

CONTACT

EMAIL:
Luke@Lopers.ca

LUKE LOPERS

Principal

LOPERS & ASSOCIATES

EDUCATION

University of Waterloo,
B.A.Sc., Honours Environmental Engineering
Management Science Option Designation - 2002 - 2008

PROFESSIONAL EXPERIENCE

Lopers & Associates, Principal, Project Manager, Senior Environmental Engineer

Ottawa, Ontario - 2020–Present
Responsible for the management, coordination, supervision, completion and delivery of Phase I/1 and II/2 Environmental Site Assessments, Environmental Remediation Programs, Environmental litigation support, Designated Substance Surveys, scope of work development, cost estimates and proposals

GHD Limited, Project Manager, Senior Environmental Engineer

Ottawa, Ontario - 2013–2020
Responsible for the management, senior technical review, coordination, supervision, completion and delivery of Phase I/1 and II/2 Environmental Site Assessments, Environmental Remediation Programs, Environmental litigation support, Designated Substance Surveys, scope of work development, cost estimates and proposals
Office Safety Captain and Joint Health and Safety Committee team leader

Paterson Group Inc., Project Manager, Environmental Engineer

Ottawa, Ontario - 2009–2013
Responsible for supervision, completion and review for Phase I/1 and II/2 Environmental Site Assessments, Environmental Remediation Programs, Designated Substance Surveys

NEXT Environmental Inc., Site Investigation Staff

Burnaby, British Columbia - 2008–2009
Responsible for fieldwork and reporting for Stage/Phase I and II Environmental Site Assessments, Environmental Remediation Programs

PROFESSIONAL DESIGNATIONS

Licensed Professional Engineer (P.Eng.) with Professional Engineers Ontario (PEO) since 2012

Qualified Person (QP), Environmental Site Assessments with Ontario Ministry of the Environment, Conservation and Parks

PROJECT EXPERIENCE

Environmental Site Assessments

**Project Engineer/Manager
Phase 1 Environmental Site
Assessment | Various Clients |
Ontario, Quebec and British
Columbia | 2006-2020**

**Project Engineer/Manager
Phase Two Environmental Site
Assessments | Various Clients |
Various Locations | 2008-2020**

**Project Manager
Phase One, Phase Two
Environmental Site
Assessments, Environmental
Delineation Quality Assurance
Program | Costco Wholesale |
Ottawa, ON | 2014-2019**

Environmental Remediation Programs

**Project Engineer
Underground Fuel Storage
Tank Removals and
Environmental Remediation
Programs in Vicinity of Active
Underground Services |
Ottawa, ON | 2010, 2012**

Project Engineer/Manager for Phase I Environmental Site Assessments in support of acquisition/divestiture/regulatory requirements for various properties in Ontario, Quebec and British Columbia, including the following:

- Canadian Tire Retail Store and Gas Bar, CTR 417 - 2560 Princess Street, Kingston, Ontario
- Former Automotive Dealership and Service Garage, North Vancouver, British Columbia
- Former Philips Cable Plant, Brockville, Ontario
- Former Cornwall Cotton Mill, Cornwall, Ontario
- Retail Fuel Outlet and Automotive Service Garage, Ottawa, Ontario
- Jack Garland Airport Land, North Bay, Ontario
- Various Commercial/Residential Properties, Ontario and British Columbia
- Various Residential Properties, Ontario, Quebec and British Columbia
- Rochester Heights (811, 818 Gladstone Avenue), Ottawa, Ontario

Project Engineer/Manager for the following field investigation and/or regulatory reporting requirements for Phase II ESAs and other Site Investigations:

- Proposed Canadian Tire Development, CTR 693P - Terry Fox Drive at Eagleson Road, Stittsville, Ontario
- Former Retail/Private Fuel Outlets, Ottawa/North Bay/Vancouver, Canada
- Operational/Former Industrial Facilities, Ottawa/Cornwall/Sarnia/Brockville/Gananoque, Ontario
- Existing Dry Cleaning Facilities, Ottawa/Amprior, Ontario
- Automotive Service Garages, Ottawa/Vancouver, Canada
- Various Commercial/Residential Properties, Eastern Ontario
- Tetrachloroethylene Groundwater Plume, Commercial Property, Ottawa, Ontario
- Rochester Heights (811, 818 Gladstone Avenue), Ottawa, Ontario

Project Manager for the completion of a Phase One ESA for the potential acquisition of a commercial property. Upon discovery of APECs at the Site and significant data gaps in previous investigations, completed a Phase Two ESA to evaluate soil and groundwater quality at the Site. Further oversight of original owner's environmental consultants was completed to ensure adequate delineation and characterization of a dNAPL groundwater plume at the Site, present at significant depths in shale bedrock, which originated as a result of a former on-Site dry-cleaning operation.

Project Engineer for removal of underground heating oil storage tanks adjacent to residential buildings. Completed excavation supervision of contaminated soil around and below active underground services, including hydro, water and natural gas infrastructure at residential properties. Activities included oversight of removal of petroleum, impacted soil, and field screening and collection of confirmatory soil and groundwater samples for petroleum hydrocarbon analysis. Prepared Phase I, II and III Environmental Site Assessment reports.

**Project Engineer
Retail Fuel Outlet
Decommissioning and
Remediation | Ottawa, ON |
2012**

**Project Engineer/Manager
Former Fuel Outlet
Investigation and Remediation |
Merrickville, ON | 2016-2017**

Record of Site Conditions

**Project Manager/Engineer
Residential Redevelopment |
Environmental Remediation
Program and Record of Site
Condition Submission | Ottawa
| 2015**

**Project Manager/Engineer
Industrial Development |
Environmental Assessment and
Record of Site Condition
Submission | Township of
Edwardsburgh/Cardinal | 2015**

Excess Soil Management

**Project Engineer/Manager
Management of Excess Soil |
CTREL, Brigid, Ottawa
Community Housing
Corporation | Ottawa and
Pembroke, Ontario | 2016, 2018**

Designated Substance Surveys

**Project Manager
Designated Substance Surveys
and Hazardous Building
Materials Assessment |
Ottawa, Pembroke,
Southeastern Ontario | 2010-
2020**

Environmental Litigation Support

**Project Manager, Field
Engineer, Expert Witness
Ottawa, Ontario | 2014-2020**

Project Engineer for UST removal and confirmatory soil sampling at former ESSO gas station in Ottawa, Ontario. Activities included oversight of removal of USTs and product lines, oversight of removal of petroleum-impacted soil and groundwater encountered and backfilling operations, and field screening and collection of confirmatory soil and groundwater samples for petroleum hydrocarbon analysis.

Project Engineer for confirmatory soil and groundwater sampling following UST removal at former Shell gas station. Activities included oversight of removal of petroleum-impacted soil, pumping of groundwater encountered and backfilling operations, and field screening and collection of confirmatory soil and groundwater samples for petroleum hydrocarbon analysis. Additional borehole/monitoring well drilling also completed.

Project Manager for delineation of soil contamination and groundwater sampling for a former automotive garage and gas station property in Ottawa, Ontario. Presented and implemented remedial action plan to remediate on-site contamination. Directed staff in collection of post remediation confirmatory soil and groundwater samples for contaminants of concern. Prepared remediation closure report and record of site condition supporting documentation for submission to the Ministry of the Environment and Climate Change.

Project Manager for environmental assessments for a proposed industrial business park, in an existing industrial area within the Township of Edwardsburgh/Cardinal, Ontario. Prepared environmental assessment reports and record of site condition supporting documentation for submission to the Ministry of the Environment and Climate Change.

Project Engineer/Manager for sampling, analytical testing, development of soil management plans and monitoring during removal of excess soil generated as part of construction activities, including the following properties/facilities:

- Rochester Heights (811, 818 Gladstone Avenue), Ottawa, Ontario
- Residential redevelopment, 121 Parkdale Avenue, Ottawa, Ontario
- CTR 079, 1104 Pembroke Street East, Pembroke, Ontario
- CTR 297, 2010 Ogilvie Road, Ottawa, Ontario

Project Manager for asbestos containing material (ACM) surveys, designated substance surveys (DSSs), Hazardous Building Materials Assessments (HBMA) or mould assessments at the following sites:

- DSSs at various municipal facilities for the City of Pembroke, Pembroke, Ontario. Preparation of Asbestos Management Plan.
- HBMA at various institutional buildings for the Catholic District School Board of Eastern Ontario, Southeastern Ontario.
- DSSs and ACM surveys at various residential, buildings (dwellings and apartment buildings) for private residential clients, Ottawa, Ontario.
- DSS and abatement oversight during demolition, residential buildings (townhouses) for Ottawa Community Housing Corporation, 818 Gladstone Avenue, Ottawa, Ontario.

Project Manager, Field Engineer and Expert Witness for a fuel spill, remediation program, groundwater monitoring program and litigation review for redevelopment of a residential property adjacent to a central heating plant at an institutional facility.

Education

BEng Geological Engineering, École Polytechnique de Montreal, Montreal, Quebec, 1990

MSc Geophysics, University of British Columbia, Vancouver, British Columbia, 1983

BSc Geophysics, Honours, University of British Columbia, Vancouver, British Columbia, 1980

Certifications

Registered as PMP with Project Management Institute since 2012, requalified in 2018

Qualified Person (QP) for Environmental Site Assessments with Ontario Ministry of Environment and Conservation and Parks

Professional Affiliations

Licensed as P.Eng. with the Professional Engineers of Ontario (PEO) since 1994

Licensed as Ing. with l'Ordre des ingénieurs du Québec (OIQ), 1992

Licensed as P.Eng. with NAPEG (NWT and Nunavut), since 2009.

Licensed as P.Eng with Engineers Yukon since 2018

Federal Clearance Level

Secret ID # 95251065

DON PLENDERLEITH

Senior Environmental Engineer and Project Manager

PROFESSIONAL SUMMARY

Mr. Plenderleith has been an environmental engineer for 30 years. From 1990 to 2000 he worked at specialty firms in Montreal and Ottawa where he gained field and reporting experience in site assessment and remediation of retail fuel outlets and railway yards. In 1991 and 1992 he worked on a CIDA sponsored project to assess additional water resource potential in two provinces in Indonesia. He worked for Golder for 19 years on projects in Ottawa, the North and overseas.

His expertise covers all steps in contaminated site management: Phase I, II and III environmental site assessments (ESAs), risk assessments, remedial options evaluations, remedial action plans, tender plans and specifications, remediation project oversight, long-term monitoring and project closure. He has largely concentrated on federal sites since 2002 and was Golder's initial point of contact on the Environmental Standing Offer Agreement with PSPC in the National Capital over that time.

Don led Golder's national client service team for Federal government and was responsible to Golder's management for maintaining strong relations with the federal government. Locally, he provided project management and technical direction of a variety of environmental projects from the Ottawa office. Don mentored several junior professionals. His site portfolio included: military bases, Northern sites, navigational sites, correctional facilities, research labs, commercial buildings and Canadian embassies abroad. On several multi-year projects (Kingston Penitentiary and Connaught Ranges landfill) he directed all steps of site management from initial investigations, through to site closure.

Don is equally experienced at providing strategic and portfolio-level assistance to clients as well as site-specific level work. He has written contaminated sites management plans for several federal Departments. He helped to develop components of the FCSAP project manager's tool kit and has trained federal project managers in its use. He has provided program-level assistance to the FCSAP Secretariat for funding demand forecasting and long-term strategy and risk management. For nine years he led a multi-disciplinary team that performed contaminated site liability peer reviews for the Office of the Auditor General of Canada.

Don completed his engineering degree in French and is licensed to practice in Quebec. He frequently coordinates the French language component at bilingual meetings and workshops.

**Public Services and
Procurement Canada,
National Capital Region,
Environmental
Engineering Standing
Offer (2002-2019).**

PROJECT EXPERIENCE – STANDING OFFER MANAGER

Don managed Golder's Environmental Standing Offer Agreement (SOA) with PSPC in the National Capital Region from 2002 to 2019. He was the first point of contact with PSPC for new call-ups. He formed project teams from the approved resources and reviewed the work plans under each call-up. He was responsible and accountable for Golder's overall project performance to PSPC.

**Phase I, II, and III and
Remediation at Pittsburgh
Institution and Kingston
Penitentiary for PSPC/CSC
near Kingston, Ontario**

PROJECT EXPERIENCE – SENIOR PROJECT MANAGER

Environmental Site Assessment, Remediation Planning and Implementation for the Pittsburgh Institution and Kingston Penitentiary, Kingston, Ontario from 2007 to 2015 - Don was the Senior Project Manager and project reviewer for the Phase I, II and III of contaminated sites on two similar projects at these federal penitentiaries. Don performed project management and provided technical direction during the full suite of services from site assessment through to remediation. Federal project management tools, and FCSAP technical tools (GOST) were used to assist with procedural compliance. Don assisted PSPC with the tender specification for both remediation projects and performed on-site supervision during the fast-track remediation work at Pittsburgh. Don also performed senior review of the draft and final reports.

**Peer Review and Liability
Review of US Steel Site in
Hamilton Harbour for
PSPC and Transport
Canada (July-August 2016)**

Don was the Senior Project Manager for a Peer Review of reports pertaining to the US Steel site on Hamilton Harbour that the Hamilton Port Authority (HPA) was considering purchasing. TC requested the peer review and liability review in its oversight role over the HPA. Don brought a senior expert in at steel industry at Golder onto the project team. With his input some important gaps in the previous site assessments, management plans and liability estimates were identified to TC.

**Contaminated Site
Reporting and Review for
Department of National
Defence Ottawa, Ontario,
Canada**

Don has managed several projects for DND's Director General Environment, related to the financial reporting of DND's contaminated sites. He managed the EcoNet validation project in 2006, in which the systems and procedures by which site cost and liability information are input to DND's Contaminated Site database, Econet. Several of DND's major projects being run out of headquarters were reviewed in that exercise. In 2008 he assisted DND by producing the 2008 update of their Contaminated Sites Management Plan (CSMP) for Treasury Board submission. Nine divisional CSMPs were reviewed, summarized and incorporated into the departmental CSMP.

PROGRAM LEVEL WORK – FEDERAL CONTAMINATED SITES

Project Management Tools for Contaminated Sites, Ottawa, Ontario, Canada

Mr. Plenderleith developed two of the FCSAP Project Management Tools: Status Reporting and Project Risk Management. He has provided training in the tools to federal project managers country-wide. He has delivered training sessions at RPIC National Contaminated Sites workshops on several occasions on the PM Tools, the Sustainable Development Tool (SDAT), and Guidance Tool for Selection of Technologies Tools (GOST).

Assistance to FCSAP for program-level Risk Management, PWGSC/ECCC Ottawa, Ontario

Don has led a team at Golder that provided assistance to the FCSAP Secretariat from 2013 to 2019 in the areas of cost projections for funding demand estimates. He devised a method of projecting the costs of unassessed sites based on closure costs of similar sites. This tool was used to estimate the funding demand for FCSAP Phase III and past Phase III. Don assisted the Secretariat with Long-Term Strategic planning for FSCAP post 2020 when the 15-year program is due to sunset.

Secondments to Federal Departments

Mr. Plenderleith has been seconded from Golder to the Department of Foreign Affairs and International Trade (now Global Affairs Canada “GAC”) on three occasions to develop their Contaminated Sites Management Plans and to fill in while GAC was staffing their full-time environmental engineer position. Through these secondments he has developed a greater understanding of the role of federal custodians in managing their programs.

PROJECT EXPERIENCE – NORTHERN SITES

DEW Line Site Monitoring, Baffin Region, DND (2015-19)

Mr. Plenderleith was the project director of Golder’s DEW Line Monitoring contract with DND from four years 2015 to 2019. He was responsible for overall program quality and liaison with the client and management of Inuit subcontractors. The project was multi-disciplinary, involving geotechnical and environmental components. Mr. Plenderleith has developed a very positive working relationship with the hamlet of Qikiqtarjuaq and the Inuit staff from that community, many of whom have returned to work with Golder every year. All Inuit Participation Targets were exceeded.

Tundra Mine Remediation Monitoring PSPC/INAC (2016-2018)

Don was the Senior project director for Golder’s Remediation Monitoring of Tundra Mine (NWT) for PSPC and INAC. This project is multi-disciplinary involving surface water and groundwater environmental monitoring and aquatic monitoring for the final stages of the remediation of Tundra Mine. Don has reviewed the monthly and annual monitoring reports produced for the Water Licence. His earlier experience with the RAP for Tundra has been valuable on this project.

**Remedial Options Review
and Remedial Action
Planning Former Water
Tanker Base, Inuvik
Airport, NWT 2010-12**

From 2010 to 2012, Mr. Plenderleith was the technical director for the Phase III ESA detailed site assessment and remediation planning of the former Water Tanker Base at the Inuvik Airport in NWT. The work included determining the contaminants of concern, delineation of contaminated soil and seasonal groundwater areas, and assessing remedial options. The remedial action plan reviewed chemical oxidation and removal & disposal options within the constraints of northern work season, and the distance to a disposal facility. Descriptions, costs, advantages and limitations were provided for several options. GNWT performed the remediation with own forces.