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Engineering**

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Hydrogeology

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Engineering**

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Phase I-Environmental Site Assessment

1010 Byron Avenue
Ottawa, Ontario

Prepared For

Concorde Developments

Paterson Group Inc.

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April 3, 2020

Report: PE4910-1

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EXECUTIVE SUMMARY

Assessment

Paterson Group was retained by Concorde Developments to conduct a Phase I-Environmental Site Assessment (ESA) for the property located at 1010 Byron Avenue, in the City of Ottawa, Ontario. The purpose of this Phase I-ESA was to research the past and current use of the subject site and the Phase I Study Area and to identify any areas of potential concern on the Phase I Property.

According to the historical research, the Phase I Property was initially developed with 2 private parking garages associated the adjacent residential apartments circa 1956. No concerns were noted with the historical use of the subject land.

The historical use of the surrounding lands consisted of commercial lands along Richmond Road and residential with some institutional (church and schools). Several potentially contaminating activities (PCAs) were identified, primarily retail fuel outlets (RFOs) and automotive service garages as well as a coal shed, a welding shop and diesel fuel oil storage along Richmond Road, just north of Byron Avenue. Based on cross-gradient or down-gradient orientation and/or separation distances with respect to the subject land, these historical off-site PCAs are not considered to represent APECs on the Phase I Property.

Following the historical research, a site visit was conducted. The Phase I Property is currently occupied by two (2) single-storey parking garages associated with the small residential complex located along the western property boundary of the Phase I Property. Neighbouring land use in the Phase I Study Area consists of residential and commercial (retail businesses). No PCAs were noted with the current use of the Phase I Property or the Study Area.

Based on our findings of the assessment, it is **our opinion that a Phase II-Environmental Site Assessment is not required for the subject property.**

Recommendations

It is our understanding that the subject buildings will be demolished in conjunction with future redevelopment. Prior to any demolition activities, a designated substance survey (DSS) must be conducted for the existing structures, in accordance with Ontario Regulation 490/09 under the Occupational Health and Safety Act.

1.0 INTRODUCTION

At the request of Concorde Developments, Paterson Group (Paterson) conducted a Phase I-Environmental Site Assessment (Phase I-ESA) for the property located at 1010 Byron Avenue, in the City of Ottawa, Ontario, herein referred to as the Phase I Property. The purpose of this Phase I-ESA was to research the past and current use of the Phase I Property and properties within the Phase I Study Area to identify any potentially contaminating activities that would result in areas of potential environmental concern on the Phase I Property.

Paterson was engaged to conduct this Phase I-ESA by Mr. Jordan Tannis of Concorde Developments. The head office is located at 408 Tweedsmuir Avenue, Ottawa, Ontario. Mr. Tannis can be reached by telephone at (613) 291-8660.

This report has been prepared specifically and solely for the above noted project which is described herein. It contains all of our findings and results of the environmental conditions at this site.

This Phase I-ESA report has been prepared in general accordance with Ontario Regulation (O.Reg.) 153/04, as amended, under the Environmental Protection Act, and also complies with the requirements of CSA Z768-01. The conclusions presented herein are based on information gathered from a limited historical review and field inspection program. The findings of the Phase I-ESA are based on a review of readily available geological, historical and regulatory information and a cursory review made at the time of the field assessment. The historical research relies on information supplied by others, such as, local, provincial and federal agencies and was limited within the scope-of-work, time and budget of the project herein.

2.0 PHASE I PROPERTY INFORMATION

Address:	1010 Byron Avenue, Ottawa, Ontario
Legal Description:	Part of Lot 26, Parts 6, 7 and 8 of Registered Plan RP314928, in the City of Ottawa.
Location:	The site is located between Byron Avenue and Honeywell Avenue, in the City of Ottawa, Ontario. Refer to Figure 1 - Key Plan in the Figures section following the text.
PIN:	03972-0086
Latitude and Longitude:	45° 24' 47.07" N, 75° 41' 40.91" W
Site Description:	
Configuration:	Irregular
Area:	0.17 hectares (approximately)
Zoning:	R4N – Residential 4 th Density
Current Use:	The Phase I Property is occupied by two, single storey slab-on-grade parking garages.
Services:	The Phase I Property is situated in a municipally serviced area.

3.0 SCOPE OF INVESTIGATION

The scope of work for this Phase I – Environmental Site Assessment was as follows:

- ☐ Determine the historical activities on the subject site and study area by conducting a review of readily available records, reports, photographs, plans, mapping, databases, and regulatory agencies;
- ☐ Investigate the existing conditions present at the subject site and study area by conducting site reconnaissance;
- ☐ Conduct interviews with persons knowledgeable of current and historic operations on the subject properties, and if warranted, neighbouring properties;
- ☐ Present the results of our findings in a comprehensive report in general accordance with the requirements of O.Reg. 269/11 amending O.Reg. 153/04 made under the Environmental Protection Act and in compliance with the requirements of CSA Z768-01;
- ☐ Provide a preliminary environmental site evaluation based on our findings;
- ☐ Provide preliminary remediation recommendations and further investigative work if contamination is suspected or encountered.

4.0 RECORDS REVIEW

4.1 General

Phase I-ESA Study Area Determination

A radius of approximately 250 m was determined to be appropriate as a Phase I Study Area for this assignment. Properties outside the 250 m radius are not considered to have impacted the subject land, based on their significant distance from the site.

First Developed Use Determination

Based on 1948 Fire Insurance Plan (FIP), the Phase I Property was vacant and undeveloped land. In the 1956 FIP and 1958 aerial photograph, the Phase I Property was occupied by the two (2) present-day structures (parking garages) as part of a small residential complex, which borders the western side of the property boundary. For the purpose of this assessment, the first developed use of the Phase I Property was taken to be residential in 1956.

Fire Insurance Plans

The 1948 and 1956 Fire Insurance Plans (FIPs) for the Phase I Property and properties within the Phase I Study Area were reviewed as part of this assessment.

The 1948 FIP shows the Phase I Property as vacant lands, while the 1956 FIPs depict two (2) single storey buildings labelled as 'Auto', addressed 117A and 121A Lockhart Avenue.

Based on the 1948 and 1956 FIPs, the surrounding lands consisted of commercial businesses along Richmond Road (north), residential apartment buildings, followed by a rectory to the west and residences to the south and east of the Phase I Property.

Historical off-site potentially contaminating activities (PCAs) were identified within the Phase I Study Area, which included a number of retail fuel outlets (RFOs) and service garages, a coal shed and welding shop. These historical PCAs identified during the FIP review are listed in Table 1.

Table 1. Potentially Contaminating Activities Fire Insurance Plans Review Summary			
Address	Year of FIP	Listed Activity	Approximate Distance / Orientation from Site
Richmond Road			
805	1956	Coal shed	242m NE
855	1948, 1956	Sunlight Oil Co. (3 USTs diesel fuel)	97m N
865	1948, 1956	Retail fuel outlet (2 USTs) and automotive service garage	90m N
883	1956	Retail fuel outlet (2 USTs) and automotive service garage	52m NW
907-911	1956	Welding	145m SW
915	1956	Retail fuel outlet (2 USTs) and automotive service garage	132m SW
N/A	1948, 1956	Canadian Pacific Railway (CPR)	50m NE

Based on the separation and down/cross-gradient orientation with respect to the subject land, these historical PCAs are not considered to represent APECs on the Phase I Property.

Historical PCAs identified in the FIPs reviewed are shown on Drawing PE4910-2-Surrounding Land Use Plan.

City Directories

City directories were reviewed in approximately ten (10) year intervals back to the 1949.

The Phase I Property was not listed in the city directories. It is expected that the subject structures have always been used as parking garages associated with the small residential complex located at 1012 Byron Avenue, 117-121 Lockhart Avenue and 2123-2129 Honeywell Avenue, which were listed in the directories as residential apartment buildings from 1959 to 2011.

Surrounding lands consisted primarily of commercial along Richmond Road and residential with some institutional (churches and schools) on the adjacent street, some of which (commercial properties) were identified as PCAs. The historical PCAs identified during the directories review are listed in Table 2.

Table 2. Potentially Contaminating Activities City Directories Review Summary			
Address	Years Listed	Listed Activity	Approximate Distance / Orientation from Site
Richmond Road			
875	1979-1988	Saveway gas bar	95m N
881-883	1959-1969	Service station (RFO)	52m NW
915-917	1959	Service station (RFO)	132m NW

Based on the separation and down/cross-gradient orientation with respect to the subject land, these historical PCAs are not considered to represent APECs on the Phase I Property.

Historical PCAs identified in the directories reviewed are shown on Drawing PE4910-2- Surrounding Land Use Plan.

Chain of Title

Paterson did not request a Chain of Title for the subject site as it was determined that sufficient information was gathered from other sources, such as personal interviews and aerial photographs.

Survey Plan

A survey plan prepared by J.D. Barnes, dated December 4, 2019 was reviewed as part of the assessment. The survey plan depicts the Phase I Property in its current configuration.

4.2 Environmental Source Information

Environment Canada

A search of the National Pollutant Release Inventory (NPRI) was conducted electronically on March 25, 2020. No records were found in the NPRI database for properties within the Phase I Study Area.

PCB Inventory

A search of national PCB waste storage sites was conducted. No PCB waste storage sites are located within the Phase I Study Area.

Areas of Natural Significance

A search for areas of natural significance and features within the Phase I study area was conducted on the website of the Ontario Ministry of Natural Resources (MNR) on March 25, 2020. The search did not reveal any areas of natural significance within the Phase I Study Area.

Ministry of the Environment, Conservation and Parks (MECP) Submissions

An ERIS search was requested in lieu of a MECP Freedom of Information (FOI) request pertaining to all environmental conditions, permits, certificates of approval, compliance reports, fuel oil storage tanks, spills and waste generators regarding the subject site and neighbouring lands.

MECP Brownfields Environmental Site Registry

A search of the MECP Brownfields Environmental Site Registry (ESR) was conducted as part of this assessment for the site, neighbouring properties and the general area of the site. No RSCs have been filed for the Phase I Property or the Phase I Study Area.

MECP Waste Disposal Site Inventory

The Ontario Ministry of Environment document titled "Waste Disposal Site Inventory in Ontario, 1991" was reviewed as part of the historical research. This document includes all recorded active and closed waste disposal sites, industrial manufactured gas plants and coal tar distillation plants in the Province of Ontario. There are no former waste disposal sites located within 250 m of the Phase I Study Area.

MECP Coal Gasification Plant Inventory

The Ontario Ministry of Environment document titled "Municipal Coal Gasification Plant Site Inventory, 1991" was reviewed to reference the locations of former plants with respect to the site. No Municipal Coal Gasification Plant Sites are located within the Phase I Study Area.

Technical Standards and Safety Authority (TSSA)

An ERIS search was conducted in lieu of contacting the TSSA, Fuels Safety Branch in Toronto to inquire about current and former underground storage tanks, spills and incidents for the site and neighbouring properties. No records are listed in the TSSA registry for the subject site or the adjacent properties. A copy of the ERIS Report is included in Appendix 2.

Former Industrial Sites

The report titled “Mapping and Assessment of Former Industrial Sites, City of Ottawa” prepared by Intera Technologies Limited was reviewed.

The aforementioned report indicated the presence of one former industrial site within the study area: Site #18 (Sunlight Oil Company) located at 855 Richmond Road, approximately 97 m north of the Phase I Property. Based on the separation distance and downgradient orientation with respect to the subject land, this former industrial site is not considered to represent an APEC on the Phase I Property.

City of Ottawa Landfill Document

The document entitled “Old Landfill Management Strategy, Phase I – Identification of Sites, City of Ottawa”, was reviewed. No former landfill sites were identified in within the Phase I Study Area.

City of Ottawa Historical Land Use Inventory (HLUI)

A search request for the City of Ottawa’s Historical Land Use Inventory (HLUI 2005) database was requested as part of this assessment. A response had not been received since issuing this report. A copy of the response will be forwarded to the client once received.

Environmental Risk Information Services (ERIS) Report

An ERIS (Environmental Risk Information Service) Report was obtained for the Phase I Property and properties within the Phase I Study Area.

According to the ERIS report, no records were identified for 1010 Byron Avenue. No potential environmental concerns or new information regarding the Phase I Property was identified in the ERIS report.

Several records from various databases were identified in the ERIS search, which included Permit to take water (PTTW), Ontario Spills, Certificates of Approval (CAs), Environmental Activity & Sector Registry, Environmental Compliance Approvals (ECAs), Ontario Waste Generators, and historical TSSA records for properties within the 250 m search radius. These records were identified for properties more than 120 m away from the Phase I Property and as such, are not considered to generate a potential environmental concern to the Phase I Property.

Two (2) historical spills or incident records were related to the release of natural gas and are non-issues. In summary, no PCAs that would generate APECs on

the Phase I Property were identified in the ERIS report. A copy of the report is included in Appendix 2.

4.3 Physical Setting Sources

Aerial Photographs

Historical air photos from the National Air Photo Library were reviewed in approximate ten (10) year intervals. Based on the review, the following observations have been made:

1958	The subject site appears to be occupied by the present-day structures. Surrounding lands appear to be primarily residential, with an institutional property to the west and the Canadian National Railway (CNR) to the north.
1965	The subject site and surrounding lands remain unchanged from the previous photograph.
1976	No significant changes are apparent on the subject site or neighbouring lands.
1999	No significant changes are apparent on the subject site or neighbouring lands.
2011	No significant changes were made to the subject site or neighbouring properties.
2017	The subject site and surrounding lands remain unchanged from the previous photograph.

Laser copies of selected aerial photographs reviewed are included in Appendix 1.

Physiographic Maps

The Ontario Geological Survey publication 'The Physiography of Southern Ontario, Third Edition' was reviewed as a part of this assessment. According to the publication, the site is situated within the Ottawa Clay Plain physiographic region.

Topographic Maps

Topographic maps were obtained from Natural Resources Canada – The Atlas of Canada website and from the City of Ottawa website. The topographic maps indicate that the regional topography in the general area of the site slopes down in a northerly direction towards the Ottawa River.

An illustration of the referenced topographic map is presented on Figure 2 – Topographic Map, appended to this report.

Geological Maps

The Geological Survey of Canada website on the Urban Geology of the National Capital Area was consulted as part of this assessment. Based on this information, bedrock in the area consists of interbedded limestone and dolomite of the Gull River Formation. The surficial geology in the area of the site consists glacial till with a drift thickness ranging from 2 to 3 m.

Water Well Records

A well record search was conducted on March 25, 2020 for all drilled wells within 250 m of the subject site. The search returned three (3) well records, all of which were domestic wells drilled in 1950, 1951 and 1952. These wells were drilled at the rectory on Woodroffe Avenue at Richmond Road to a maximum depth of 45.7 m below the ground surface. Although there were no well abandonment records, it is expected that these wells are no longer in-use since the area is situated in a municipally serviced area.

Based on well records, the stratigraphy in the area consists of clay, underlain by interbedded shale and limestone. No other information was provided in the well records. A copy of the well records has been included in Appendix 2.

Areas of Natural Significance and Water Bodies

No areas of natural significance or bodies of water were identified in the Phase I Study Area.

5.0 INTERVIEWS

Property Owner Representatives

Mr. Jordan Tannis of Concorde Developments was interviewed on March 27, 2020, via email. According to Mr. Tannis, the subject buildings were constructed as part of the small residential complex in the mid-1950s. Mr. Tannis is unaware of any potential environmental concerns regarding the Phase I Property.

6.0 SITE RECONNAISSANCE

6.1 General Requirements

The site visit was conducted on March 26, 2020. Ms. Mandy Witteman from the Environmental Department of Paterson conducted the site assessments. In addition to the site, the uses of neighbouring properties within the Phase I Study Area were also assessed at the time of the site visit.

6.2 Specific Observations at the Phase I Property

Buildings and Structures

The Phase I Property addressed 1010 Byron Avenue is occupied by two (2) slab-on-grade parking garages constructed circa 1956. The garage exteriors are finished in concrete blocks with a flat metal clad roof.

Site Features

The entire site is asphaltic concrete paved parking, with the exception of two small grassed areas where hydro-poles are located. Access laneways to the Phase I Property are located on Byron Avenue and Honeywell Avenue. The parking garages used by the residences of the complex are situated on the eastern side of the property

Waste bins for the residential buildings situated along the western property boundary were located on the northern side of the parking garages.

The majority of the site is relatively flat and above the grade of the adjacent streets (Byron Avenue and Honeywell Avenue). The site slopes down towards Byron Avenue and Honeywell Avenue. Site drainage consists primarily of sheet flow to catchbasins located on the adjacent streets with some infiltration on grassed

covered sections of the site. The regional topography slopes down in a north-westerly direction towards the Ottawa River.

A pole mounted transformer was noted on the northwestern portion of the property. No signs of staining or stressed vegetation were noted on the ground below the transformer.

No UST or ASTs, fuels or chemicals were observed on-site. No wastewater is produced on-site. No evidence of current or former railway or spur lines was observed on the subject property at the time of the site visit.

No areas of stained pavement, stressed vegetation or unidentified substances were observed on-site at this time. No potential environmental concerns were identified in the interior of the subject buildings at the time of the assessment.

Neighbouring Properties

An inspection of the neighbouring properties was conducted from publicly accessible roadways at the time of the site inspection. Land use adjacent to the subject site is as follows:

- ☐ North: Residential apartment building and Byron Avenue, followed by commercial;
- ☐ South: Residential apartment building and Honeywell Avenue, followed by residential;
- ☐ East: Church and rectory, followed by residential apartment buildings;
- ☐ West: Lockhart Avenue, followed by a school.

Land use within the Phase I Study Area (250 m radius) is primarily used for residential and commercial purposes with some institutional land use. No existing off-site PCAs were identified at the time of the site visit. Surrounding land use is shown on Drawing PE4910-2 – Surrounding Land Use Plan.

7.0 REVIEW AND EVALUATION OF INFORMATION

7.1 Land Use History

The following table indicates the current and past uses of the site as well as any associated potentially contaminating activities dating back to the first developed use of the site.

Table 3. Land Use History – 1010 Byron Avenue				
Time Period	Landowner	Property Use	Land Use	Specific observations of the phase I Property (i.e. aerial photographs, directories, interviews, etc.)
Prior to 1948	Unknown	Vacant	Unknown	Non available other than a 1948 FIP, which depicts the subject site as vacant land.
1948-Present	Byron Rental Property	Parking garages	Residential	1956 FIP depicts the subject site as occupied by two (2) single storey buildings marked 'Auto'. 1958 to 2017 aerial photographs show the present-day buildings. Site visit and personal interview indicated that there have been no changes to the subject site.

Potentially Contaminating Activities and Areas of Potential Environmental Concern

No potentially contaminating activities (PCAs) were identified at the Phase I Property or within the Phase I Study Area that were considered to represent Areas of Potential Environmental Concern (APECs) on the Phase I Property.

Contaminants of Potential Concern

No Contaminants of Potential Concern (CPCs) were identified on the Phase I Property.

7.2 Conceptual Site Model

Geological and Hydrogeological Setting

According to the Geological Survey of Canada website, the bedrock in the area of the Phase I Property is reported to consist of interbedded limestone and dolomite of the Gull River Formation. The overburden is reported to consist of glacial till of depths ranging from 2 to 3 m over the entire site.

Water Bodies and Areas of Natural Significance

No areas of natural significance or water bodies were identified on the Phase I Property or within a 250 m search radius.

Drinking Water Wells

There are no potable water wells on the Phase I Property.

Existing Buildings and Structures

The present-day slab-on-grade subject buildings located at 1010 Byron Avenue were constructed circa 1956, with concrete block walls and a flat metal clad style roof. These buildings are used for vehicular parking. No other buildings or structures are present on the Phase I Property.

Subsurface Structures and Utilities

The Phase I Property is situated in a municipally serviced area. Underground utility services on the subject land electricity only. There is no municipal water or sewer services on-site. Electricity enters the Phase I Property from Lockhart Avenue and Honeywell Avenue.

Neighbouring Land Use

Neighbouring land use in the Phase I Study Area consists of commercial retail businesses and residential with some institutional (churches and schools).

Potentially Contaminating Activities and Areas of Potential Environmental Concern

As per Section 7.1 of this report, PCAs were not identified on the Phase I Property or on properties within the Phase I Study Area that would result in APECs on the Phase I Property. Therefore, no APECs are present on the Phase I Property.

Contaminants of Potential Concern

As per Section 7.1 of this report, no Contaminants of Potential Concern (CPCs) were identified on the Phase I Property.

Assessment of Uncertainty and/or Absence of Information

The information available for review as part of the preparation of this Phase I- ESA is considered to be sufficient to conclude that there are no APECs on the subject site. A variety of independent sources were consulted as part of this assessment, and as such, the conclusions of this report are not affected by uncertainty which may be present with respect to the individual sources.

8.0 CONCLUSIONS

8.1 Assessment

Paterson Group was retained by Concorde Developments to conduct a Phase I-Environmental Site Assessment (ESA) for the property located at 1010 Byron Avenue, in the City of Ottawa, Ontario. The purpose of this Phase I-ESA was to research the past and current use of the subject site and the Phase I Study Area and to identify any areas of potential concern on the Phase I Property.

According to the historical research, the Phase I Property was initially developed with 2 private parking garages associated the adjacent residential apartments circa 1956. No concerns were noted with the historical use of the subject land.

The historical use of the surrounding lands consisted of commercial lands along Richmond Road and residential with some institutional (church and schools). Several potentially contaminating activities (PCAs) were identified, primarily retail fuel outlets (RFOs) and automotive service garages as well as a coal shed, a welding shop and diesel fuel oil storage along Richmond Road, just north of Byron Avenue. Based on cross-gradient or down-gradient orientation and/or separation distances with respect to the subject land, these historical off-site PCAs are not considered to represent APECs on the Phase I Property.

Following the historical research, a site visit was conducted. The Phase I Property is currently occupied by two (2) single-storey parking garages associated with the small residential complex located along the western property boundary of the Phase I Property. Neighbouring land use in the Phase I Study Area consists of residential and commercial (retail businesses). No PCAs were noted with the current use of the Phase I Property or the Study Area.

Based on our findings of the assessment, it is **our opinion that a Phase II-Environmental Site Assessment is not required for the subject property.**

8.2 Recommendations

It is our understanding that the subject buildings will be demolished in conjunction with future redevelopment. Prior to any demolition activities, a designated substance survey (DSS) must be conducted for the existing structures, in accordance with Ontario Regulation 490/09 under the Occupational Health and Safety Act.

9.0 STATEMENT OF LIMITATIONS

This Phase I - Environmental Site Assessment report has been prepared in general accordance with O.Reg. 153/04, as amended, and meets the requirements of CSA Z768-01. The conclusions presented herein are based on information gathered from a limited historical review and field inspection program. The findings of the Phase I - ESA are based on a review of readily available geological, historical and regulatory information and a cursory review made at the time of the field assessment. The historical research relies on information supplied by others, such as, local, provincial and federal agencies and was limited within the scope-of-work, time and budget of the project herein.

Should any conditions be encountered at the subject site and/or historical information that differ from our findings, we request that we be notified immediately in order to allow for a reassessment.

This report was prepared for the sole use of Concorde Developments. Permission and notification from Concorde Developments and Paterson will be required to release this report to any other party.

Paterson Group Inc.



Mandy Witteman, B.Eng., M.A.Sc.



Mark S. D'Arcy, P.Eng., QP_{ESA}



Report Distribution:

- ☐ Concorde Developments
- ☐ Paterson Group

10.0 REFERENCES

Federal Records

Air photos at the Energy Mines and Resources Air Photo Library.
National Archives.
Maps and photographs (Geological Survey of Canada surficial and subsurface mapping).
Natural Resources Canada – The Atlas of Canada.
Environment Canada, National Pollutant Release Inventory.
PCB Waste Storage Site Inventory.

Provincial Records

MECP Freedom of Information and Privacy Office.
MECP Municipal Coal Gasification Plant Site Inventory, 1991.
MECP document titled “Waste Disposal Site Inventory in Ontario”.
MECP Brownfields Environmental Site Registry.
Office of Technical Standards and Safety Authority, Fuels Safety Branch.
MNR Areas of Natural Significance.
MECP Water Well Record Inventory.
Chapman, L.J., and Putnam, D.F., 1984: ‘The Physiography of Southern Ontario, Third Edition’, Ontario Geological Survey Special Volume 2.

Municipal Records

City of Ottawa Document “Old Landfill Management Strategy, Phase I - Identification of Sites.”, prepared by Golder Associates, 2004.
Intera Technologies Limited Report “Mapping and Assessment of Former Industrial Sites, City of Ottawa”, 1988.
geoOttawa: City of Ottawa electronic mapping website.
City of Ottawa Historical Land Use Inventory (HLUI) Database

Local Information Sources

Personal Interviews.

Public Information Sources

Google Earth.
Google Maps/Street View.

Private Information Sources

ERIS Report

FIGURES

FIGURE 1 – KEY PLAN

FIGURE 2 – TOPOGRAPHIC MAP

DRAWING PE4910-1 – SITE PLAN

DRAWING PE4910-2 – SURROUNDING LAND USE PLAN

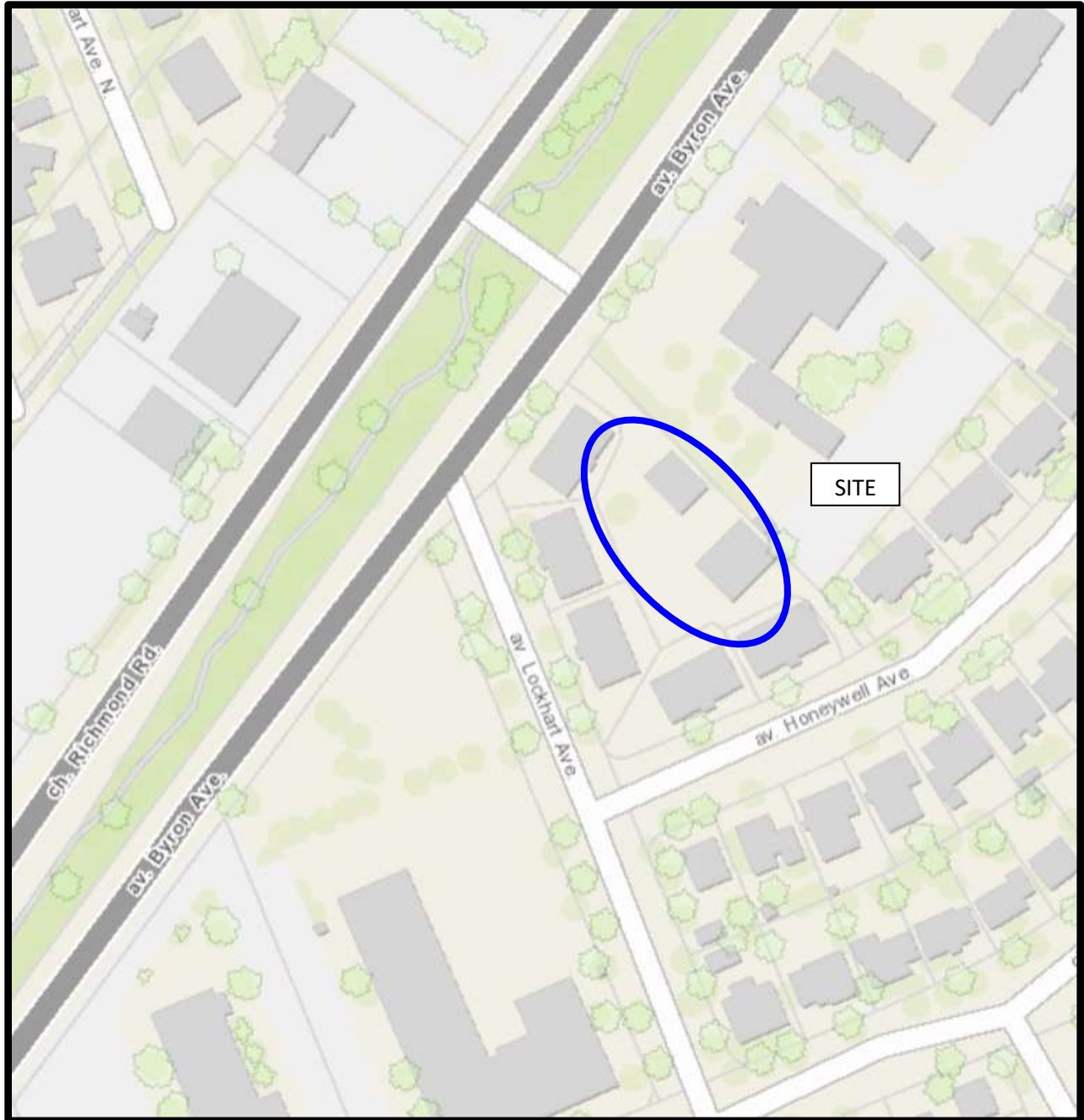


FIGURE 1
KEY PLAN

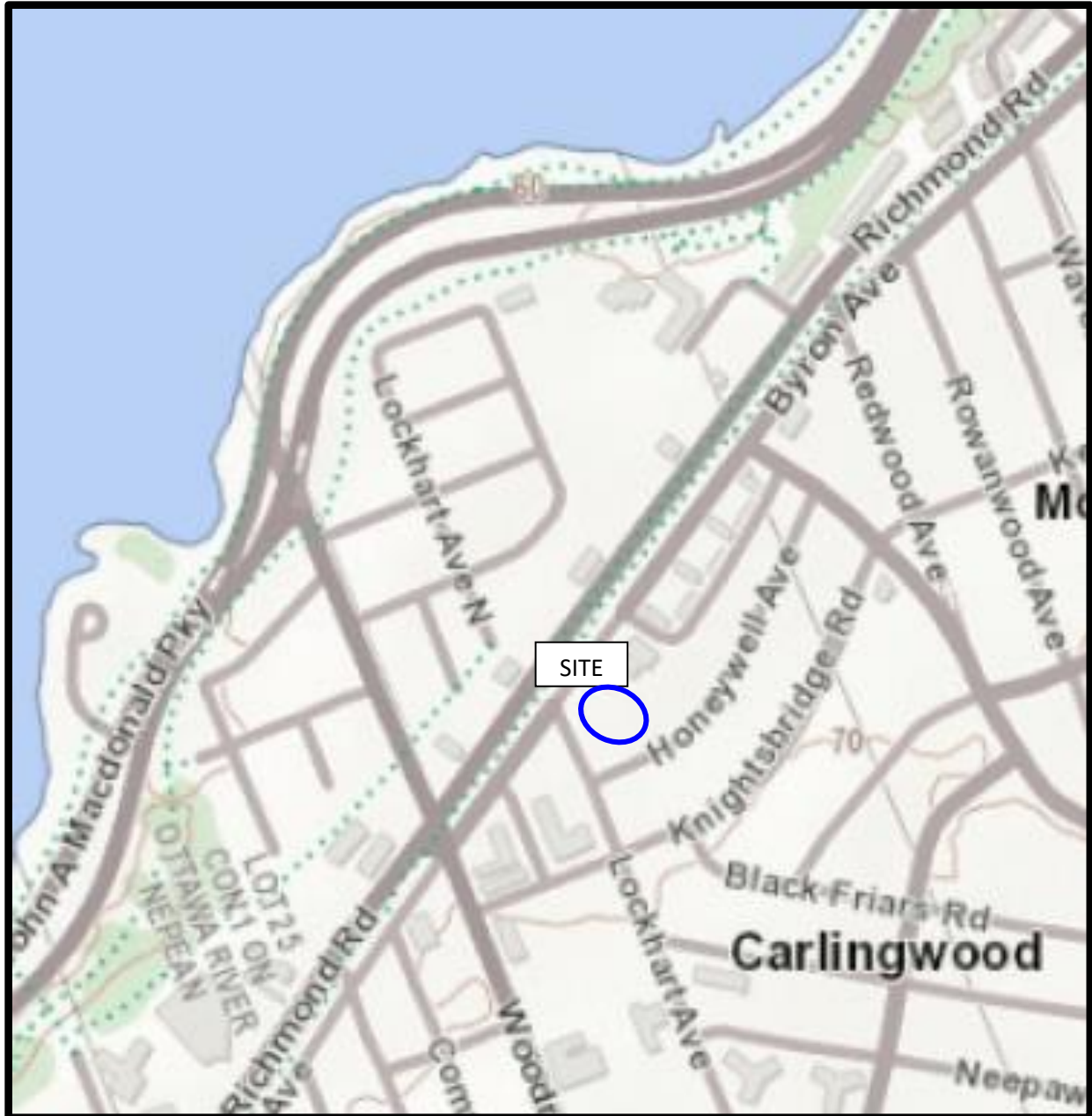
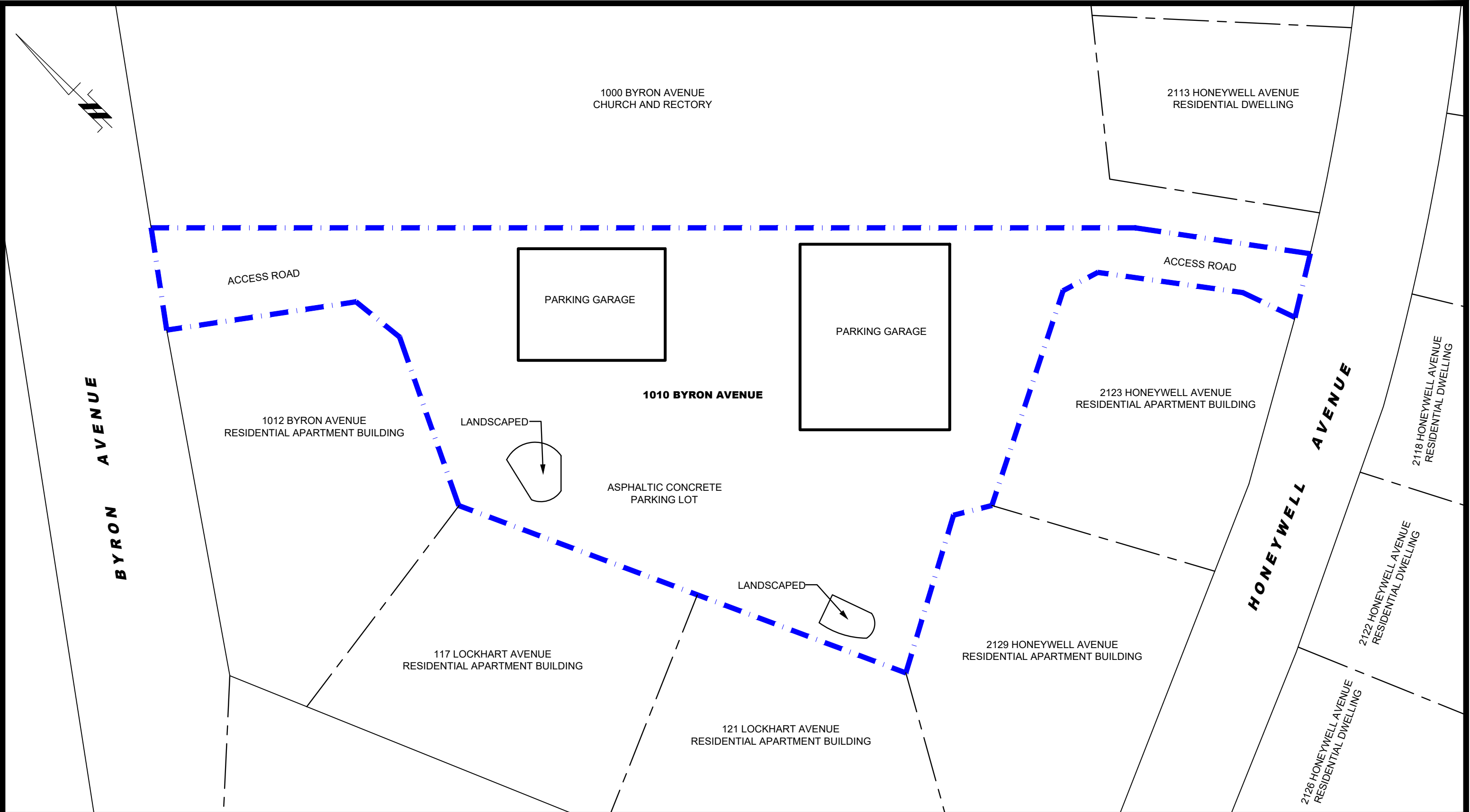


FIGURE 2
TOPOGRAPHIC MAP



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consulting engineers

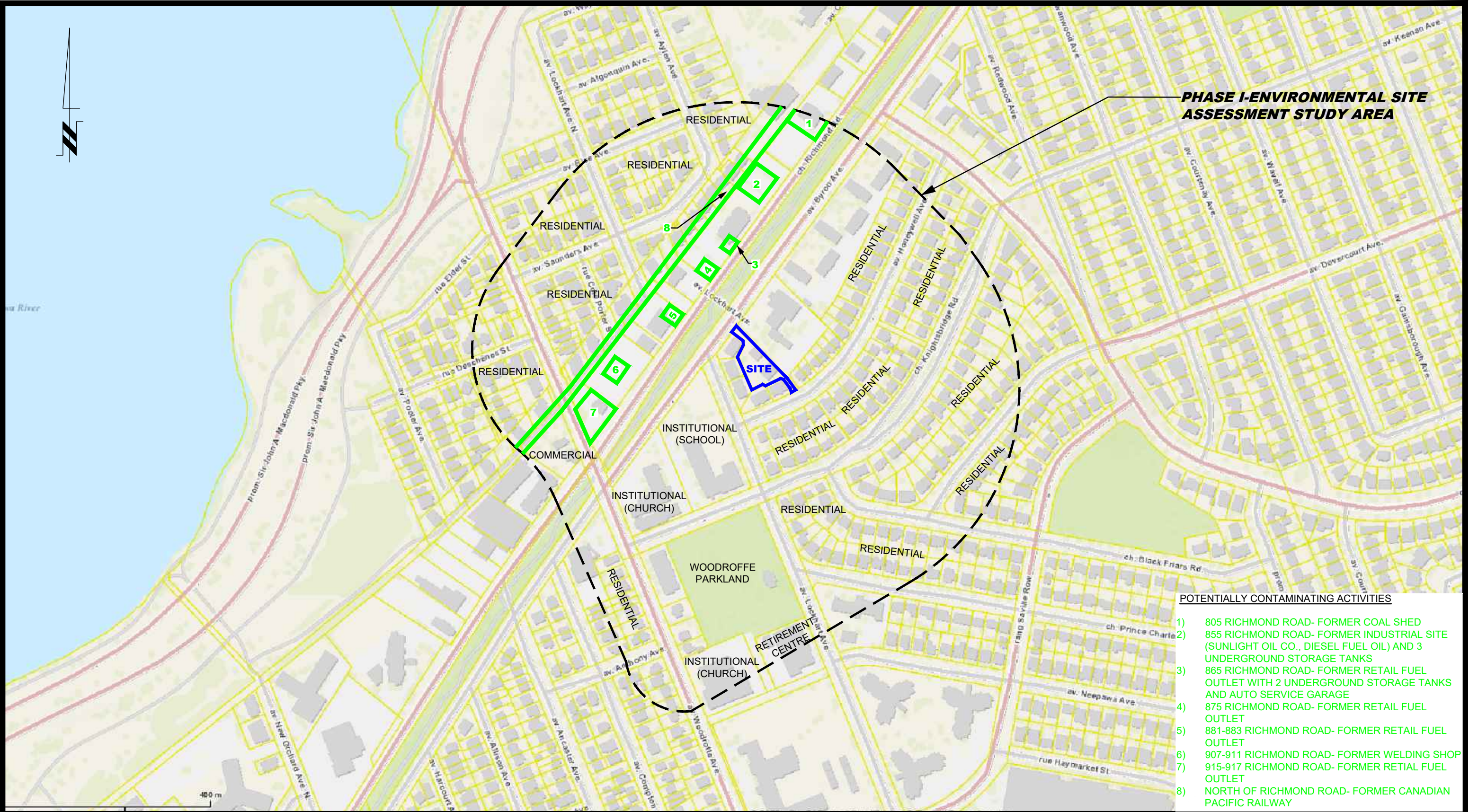
154 Colonnade Road South
Ottawa, Ontario K2E 7J5
Tel: (613) 226-7381 Fax: (613) 226-6344

NO.	REVISIONS	DATE	INITIAL

CONCORDE DEVELOPMENTS	
PHASE I - ENVIRONMENTAL SITE ASSESSMENT	
1010 BYRON AVENUE	
OTTAWA,	ONTARIO
Title:	
SITE PLAN	

Scale:	1:300	Date:	04/2020
Drawn by:	YA	Report No.:	PE4910-1
Checked by:	MW	Dwg. No.:	PE4910-1
Approved by:	MSD	Revision No.:	

p:\autocad drawings\environmental\pe4910\pe4910-site plan.dwg



PHASE I-ENVIRONMENTAL SITE ASSESSMENT STUDY AREA

POTENTIALLY CONTAMINATING ACTIVITIES

- 1) 805 RICHMOND ROAD- FORMER COAL SHED
- 2) 855 RICHMOND ROAD- FORMER INDUSTRIAL SITE (SUNLIGHT OIL CO., DIESEL FUEL OIL) AND 3 UNDERGROUND STORAGE TANKS
- 3) 865 RICHMOND ROAD- FORMER RETAIL FUEL OUTLET WITH 2 UNDERGROUND STORAGE TANKS AND AUTO SERVICE GARAGE
- 4) 875 RICHMOND ROAD- FORMER RETAIL FUEL OUTLET
- 5) 881-883 RICHMOND ROAD- FORMER RETAIL FUEL OUTLET
- 6) 907-911 RICHMOND ROAD- FORMER WELDING SHOP
- 7) 915-917 RICHMOND ROAD- FORMER RETIAL FUEL OUTLET
- 8) NORTH OF RICHMOND ROAD- FORMER CANADIAN PACIFIC RAILWAY

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NO.	REVISIONS	DATE	INITIAL

CONCORDE DEVELOPMENTS

PHASE I - ENVIRONMENTAL SITE ASSESSMENT

1010 BYRON AVENUE

OTTAWA, ONTARIO

Title:

SURROUNDING LAND USE PLAN

Scale:	1:4000	Date:	04/2020
Drawn by:	YA	Report No.:	PE4910-1
Checked by:	MW	PE4910-2	Revision No.:
Approved by:	MSD		

p:\autocad\drawings\environmental\pe4910\pe4910-2-surrounding land use plan.dwg

APPENDIX 1

SURVEY PLAN

AERIAL PHOTOGRAPHS

SITE PHOTOGRAPHS

SURVEYOR'S REAL PROPERTY REPORT
PART 1 - PLAN SHOWING
PART OF BLOCK 'F'
REGISTERED PLAN 314928
CITY OF OTTAWA
J.D. BARNES LIMITED

SCALE 1 : 200



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

NOTES

FOR BEARING COMPARISONS, A COUNTER-CLOCKWISE ROTATION OF 0728'40" WAS APPLIED TO THE BEARINGS OF THE REAL TIME NETWORK (RTN) OBSERVATIONS, WITH BEARINGS ARE MIN, GRID AND DERIVED FROM GLOBAL NAVIGATION SATELLITE SYSTEM (GNSS) DATA. THE REAL TIME NETWORK (RTN) OBSERVATIONS, WITH DISTANCES ARE GROUND.
ALL BUILDING TIES ARE TAKEN TO CONCRETE FOUNDATION
COMPLIANCE WITH ONTARIO BUILDING CODE SETBACK REQUIREMENTS ARE NOT VERIFIED BY THIS SURVEY.
NOTES ON TREES ARE SHOWN WITH THE FOLLOWING:
- DIAMETER OF TREE TAKEN AT 1.2m ABOVE GRADE
- RADIUS DENOTES MEASUREMENT OF CROWN FROM CENTER OF TREE

PART 2 - SURVEY REPORT

- DESCRIPTION OF THE SURVEY: PLAN 314928 BEING ALL OF PIN 03972-0086(LT), IN THE CITY OF OTTAWA
- REGISTERED EASEMENTS AND/OR RIGHTS-OF-WAY
- SUBJECT TO EASEMENTS AS IN INSTRUMENT NUMBERS CR316047 AND CR315160
- BOUNDARY FEATURES: CHAIN LINK FENCE AND OVERHEAD WIRES/CABLES ALONG THE NORTHERLY LIMIT OF THE SUBJECT PROPERTY
- THE LOCATION OF THE SUBJECT PROPERTY IS SHOWN ON THE SUBJECT PROPERTY MAP, ALONG WITH THE EASEMENTS AND SETBACK LINES OF THE SUBJECT PROPERTY

LEGEND

- SURVEY MONUMENT FOUND
- DENOTES SURVEY MONUMENT SET
- SB DENOTES STANDARD IRON BAR
- BB DENOTES BURNED IRON BAR
- DB DENOTES CAST IRON DRAINAGE
- CPW DENOTES CAST IRON PIPE AND WASHER
- WIT DENOTES WITNESS
- PLAS DENOTES REGISTERED PLAN 314928
- P DENOTES PIN 03972-0086(LT)
- 632 DENOTES PIN 03972-0085(LT)
- 725 DENOTES PIN 03972-0084(LT)
- 1919 DENOTES PIN 03972-0083(LT)
- 2123 DENOTES PIN 03972-0082(LT)
- 2129 DENOTES PIN 03972-0081(LT)
- 121 DENOTES PIN 03972-0080(LT)
- 1002 DENOTES PIN 03972-0079(LT)
- 1003 DENOTES PIN 03972-0078(LT)
- 1004 DENOTES PIN 03972-0077(LT)
- 1005 DENOTES PIN 03972-0076(LT)
- 1006 DENOTES PIN 03972-0075(LT)
- 1007 DENOTES PIN 03972-0074(LT)
- 1008 DENOTES PIN 03972-0073(LT)
- 1009 DENOTES PIN 03972-0072(LT)
- 1010 DENOTES PIN 03972-0071(LT)
- 1011 DENOTES PIN 03972-0070(LT)
- 1012 DENOTES PIN 03972-0069(LT)
- 1013 DENOTES PIN 03972-0068(LT)
- 1014 DENOTES PIN 03972-0067(LT)
- 1015 DENOTES PIN 03972-0066(LT)
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- 1017 DENOTES PIN 03972-0064(LT)
- 1018 DENOTES PIN 03972-0063(LT)
- 1019 DENOTES PIN 03972-0062(LT)
- 1020 DENOTES PIN 03972-0061(LT)
- 1021 DENOTES PIN 03972-0060(LT)
- 1022 DENOTES PIN 03972-0059(LT)
- 1023 DENOTES PIN 03972-0058(LT)
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- 1026 DENOTES PIN 03972-0055(LT)
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- 1030 DENOTES PIN 03972-0051(LT)
- 1031 DENOTES PIN 03972-0050(LT)
- 1032 DENOTES PIN 03972-0049(LT)
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- 1035 DENOTES PIN 03972-0046(LT)
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- 1052 DENOTES PIN 03972-0029(LT)
- 1053 DENOTES PIN 03972-0028(LT)
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- 1060 DENOTES PIN 03972-0021(LT)
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- 1062 DENOTES PIN 03972-0019(LT)
- 1063 DENOTES PIN 03972-0018(LT)
- 1064 DENOTES PIN 03972-0017(LT)
- 1065 DENOTES PIN 03972-0016(LT)
- 1066 DENOTES PIN 03972-0015(LT)
- 1067 DENOTES PIN 03972-0014(LT)
- 1068 DENOTES PIN 03972-0013(LT)
- 1069 DENOTES PIN 03972-0012(LT)
- 1070 DENOTES PIN 03972-0011(LT)
- 1071 DENOTES PIN 03972-0010(LT)
- 1072 DENOTES PIN 03972-0009(LT)
- 1073 DENOTES PIN 03972-0008(LT)
- 1074 DENOTES PIN 03972-0007(LT)
- 1075 DENOTES PIN 03972-0006(LT)
- 1076 DENOTES PIN 03972-0005(LT)
- 1077 DENOTES PIN 03972-0004(LT)
- 1078 DENOTES PIN 03972-0003(LT)
- 1079 DENOTES PIN 03972-0002(LT)
- 1080 DENOTES PIN 03972-0001(LT)

N-NORTH S-SOUTH E-EAST W-WEST
ALL SET SSB AND PB MONUMENTS WERE USED DUE TO LACK OF OVERBURDEN AND/OR PROXIMITY OF UNDERGROUND UTILITIES IN ACCORDANCE WITH SECTION 11 (4) OF OREG. 320/91.

ELEVATION NOTE:

1. ELEVATIONS ARE GEODETIC AND WERE ESTABLISHED USING GLOBAL NAVIGATION SATELLITE SYSTEM (GNSS) DATA. THE REAL TIME NETWORK (RTN) OBSERVATIONS, WITH ELEVATIONS ARE GROUND.
2. IT IS THE RESPONSIBILITY OF THE USER OF THIS INFORMATION TO VERIFY THAT THE ELEVATIONS SHOWN ON THIS PLAN ARE CORRECT AND IN ACCORDANCE WITH THE SURVEY ACT AND THE REGULATIONS MADE UNDER THEM.
3. THE SURVEY WAS COMPLETED ON DECEMBER 2, 2019.

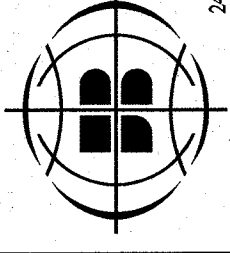
SURVEYOR'S CERTIFICATE

- I CERTIFY THAT: THE PLAN AND PLAN ARE CORRECT AND IN ACCORDANCE WITH THE SURVEY ACT AND THE REGULATIONS MADE UNDER THEM.
- THE SURVEY WAS COMPLETED ON DECEMBER 2, 2019.

DATE: DECEMBER 4, 2019

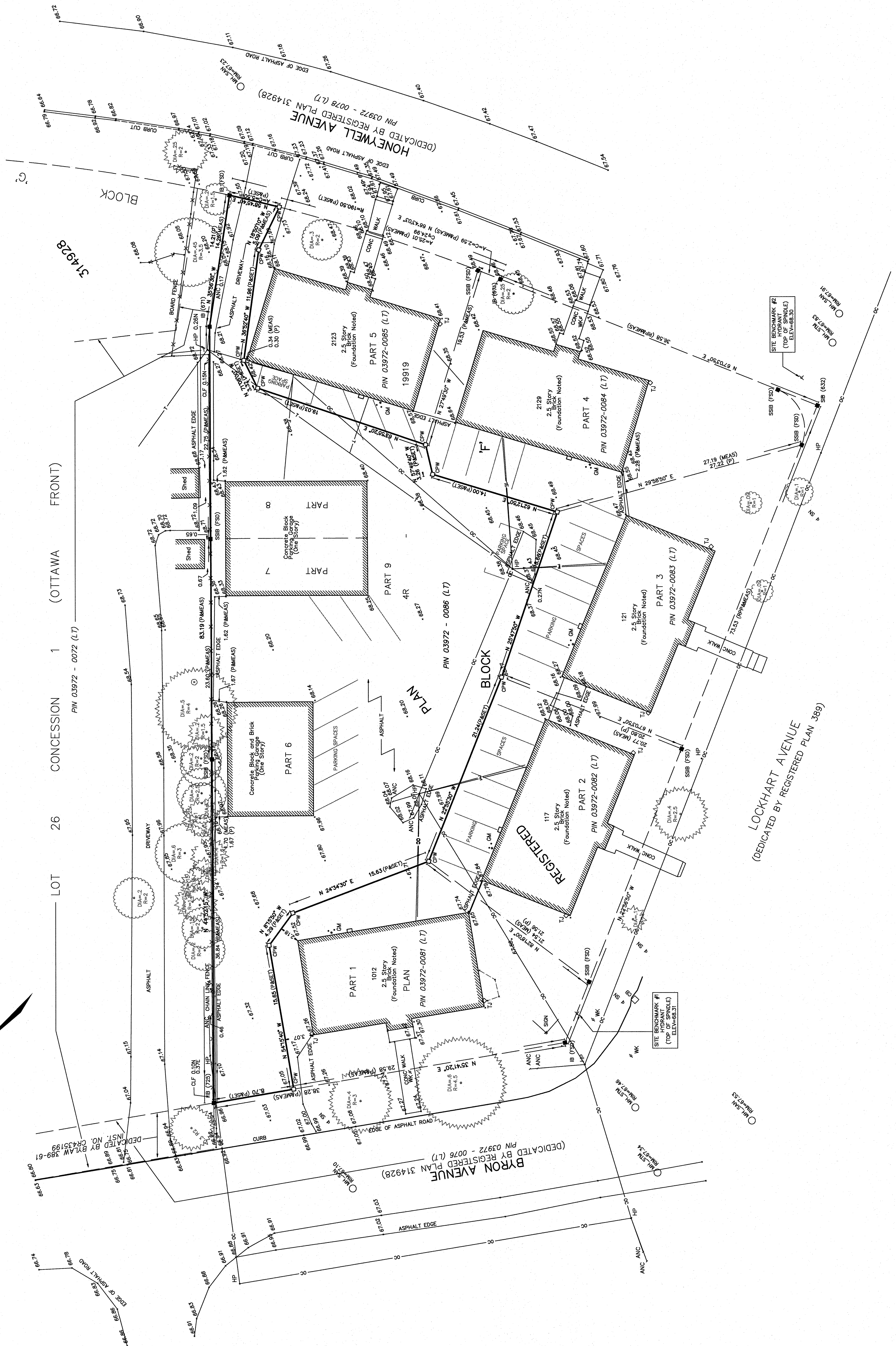
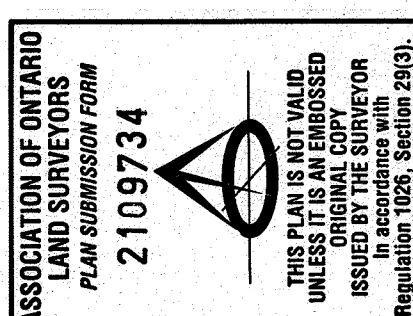
C.M. FOX

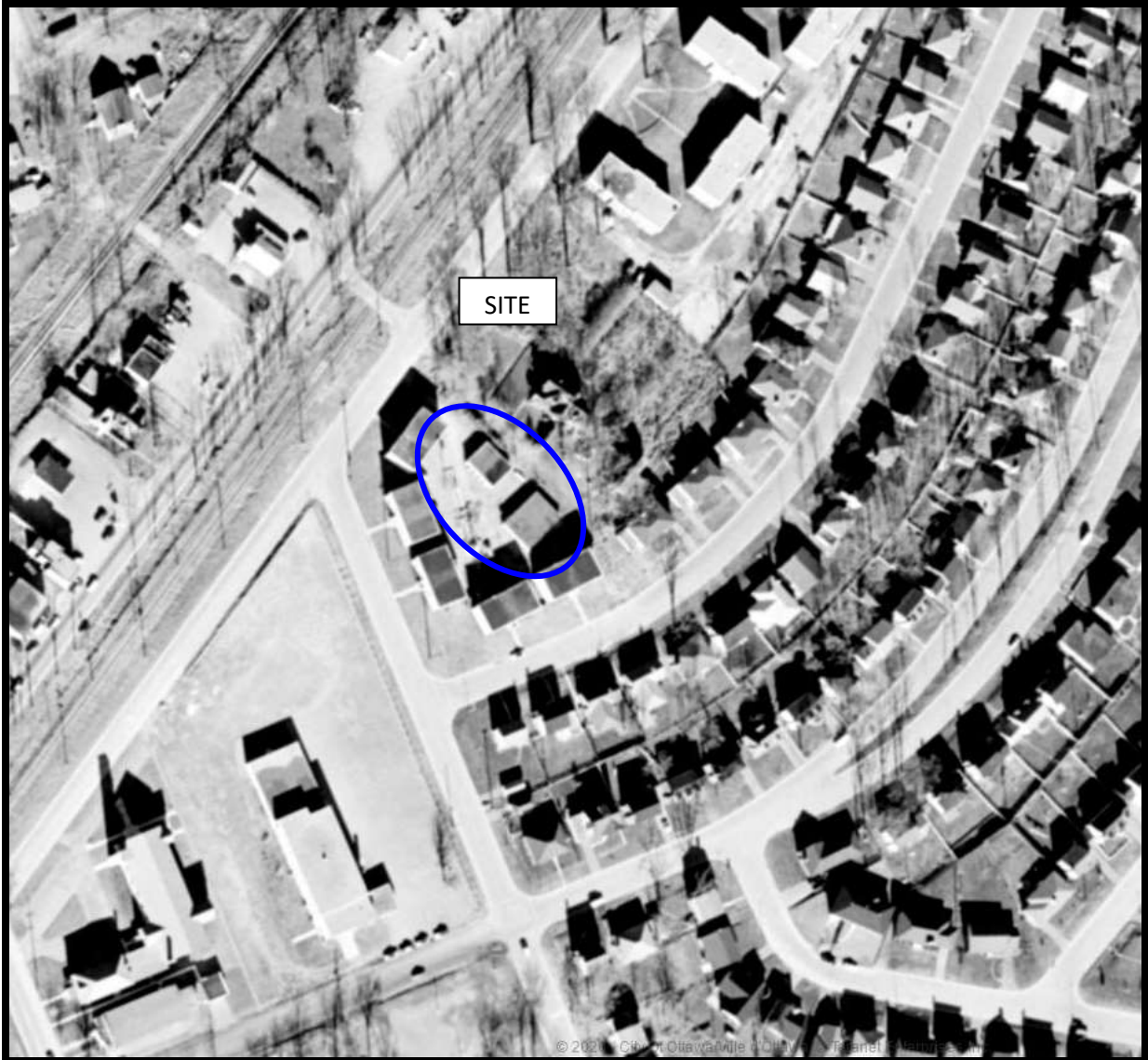
ONTARIO LAND SURVEYOR



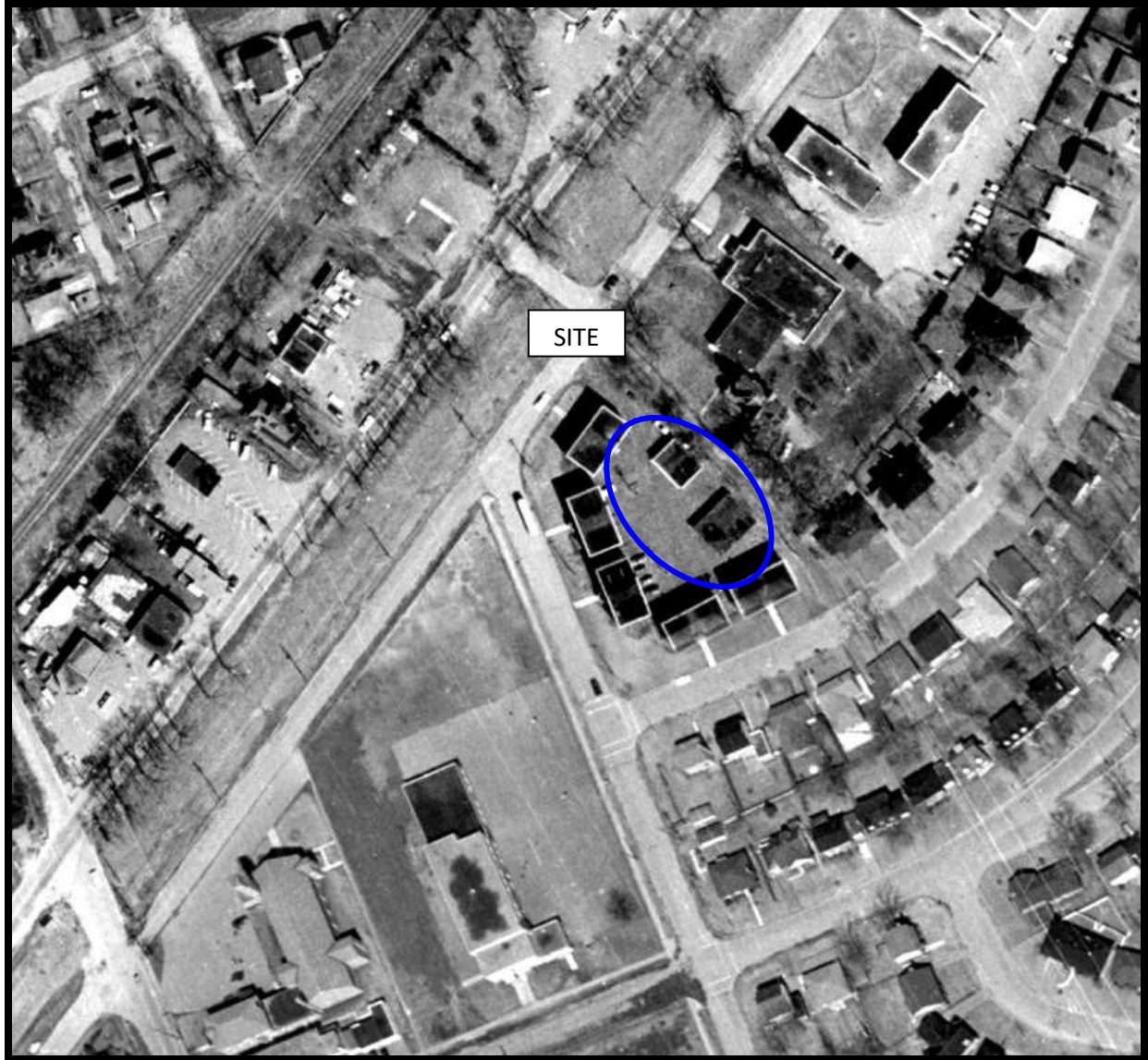
J.D. BARNES SURVEYING
LIMITED
LAND INFORMATION SPECIALISTS
230 DUNDAS STREET WEST, OTTAWA, ON K1H 1E1
T: (613) 737-1234 F: (613) 737-1235
www.jdbarnes.com

DRAWN BY: RH CHECKED BY: SL REFERENCE NLS: 19-10-114-00
FILE: 019-10-114-00 (019-10-114-00) DATED: 12/2/2019 PLOTTED: 12/4/2019





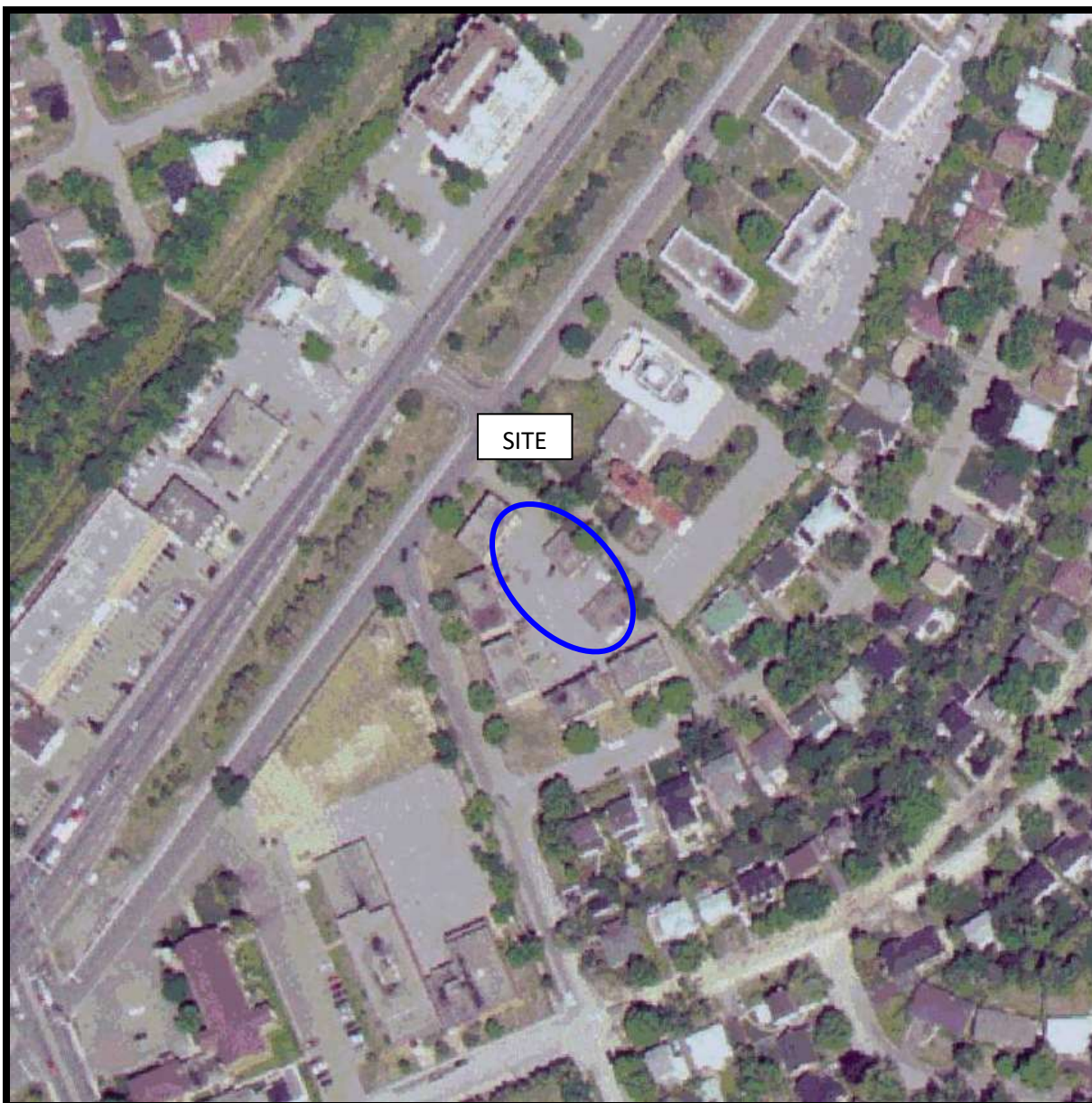
AERIAL PHOTOGRAPH
1958



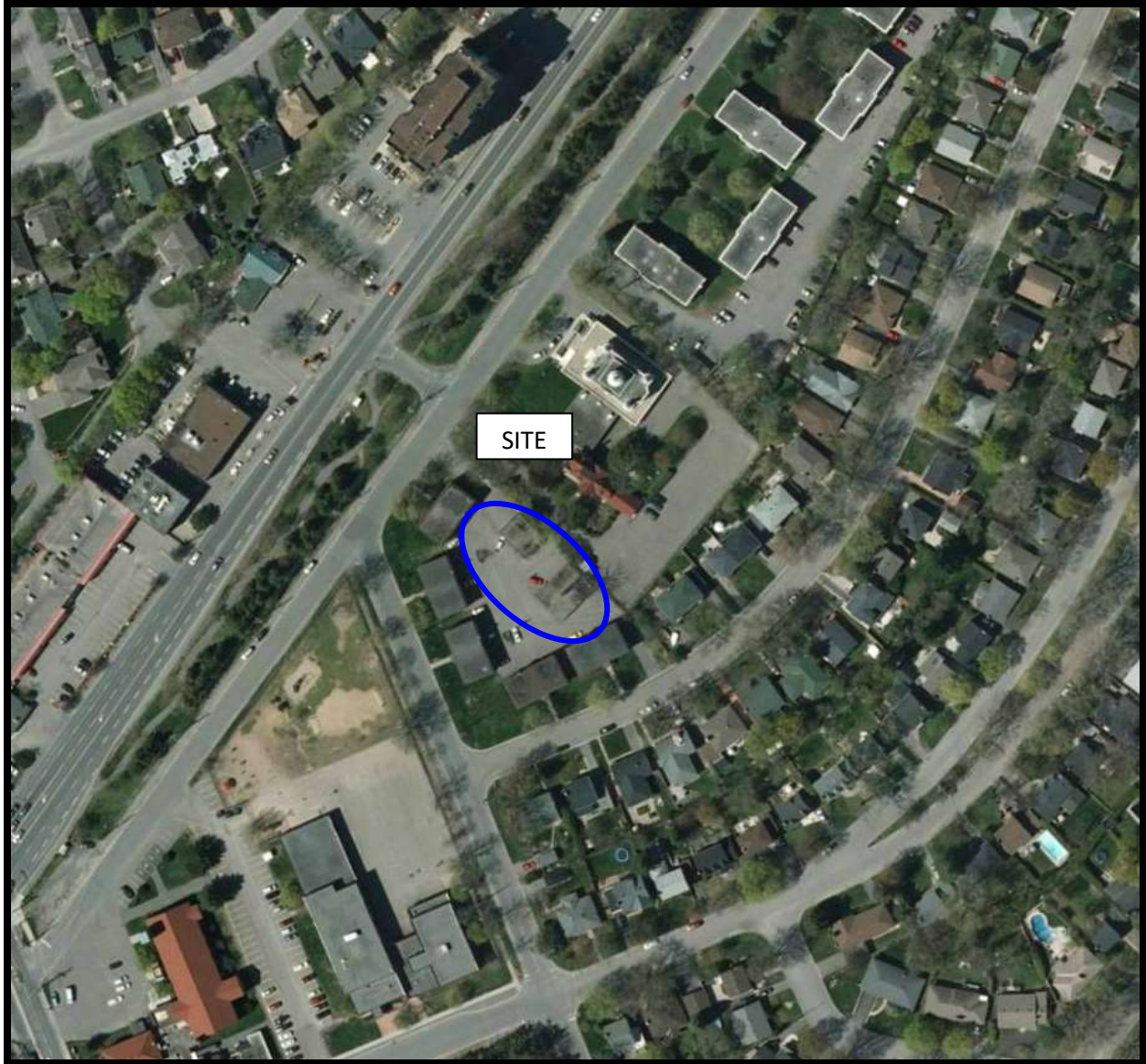
AERIAL PHOTOGRAPH
1965



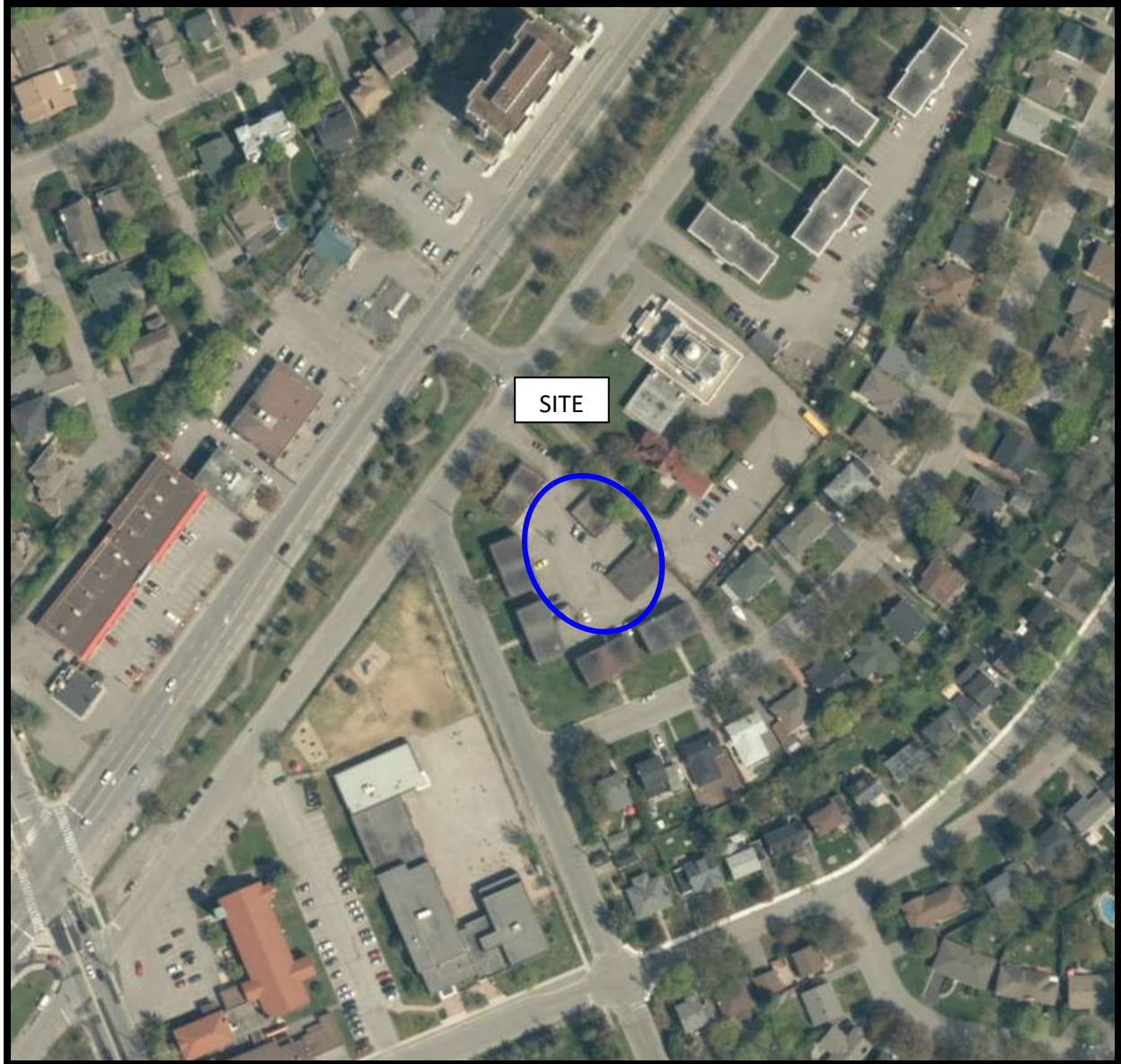
AERIAL PHOTOGRAPH
1976



AERIAL PHOTOGRAPH
1999



AERIAL PHOTOGRAPH
2011



AERIAL PHOTOGRAPH
2017

Site Photographs

PE4910

1010 Byron Avenue, Ottawa, ON

March 27, 2020



Photograph 1: View of the northern parking garage on the Phase I Property, looking south.



Photograph 2: Central view of both subject buildings (garages) on the Phase I Property, looking east.

Site Photographs

PE4910

1010 Byron Avenue, Ottawa, ON

March 27, 2020



Photograph 3: North view of the Phase I Property, looking Northeast.



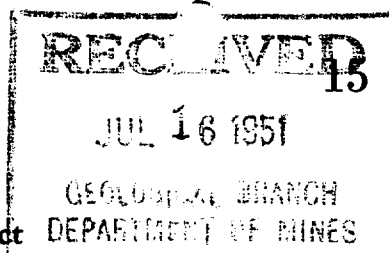
Photograph 4: Northwest view of the Phase I Property, looking Northwest.

APPENDIX 2

MECP WELL RECORDS

HLUI RESPONSE

ERIS REPORT



№ 3906

1	8	Z	4	3	9	3	3	0	E
9	R	<i>Not reliable</i>							N
9	R	0	2	2	5				

The Well Drillers Act DEPARTMENT OF MINES
Department of Mines, Province of Ontario

Water Well Record

OTTAWA

St. Mathias' Church
Princeton Rd.

Water Well Record

OTTAWA

County or Territorial District. Carleton Township, Village, Town or City Nepean

Con. I of 5 Lot. 26 Street and Number (if in Village, Town or City)

Owner Barbara J. ... Address ...

Date Completed Feb 3 1999 Cost of Well (excluding pump)

(day) (month) (year)

Pipe and Casing Record

Pumping Test

Casing diameter(s).....	4 in.	Date.....	Feb 2, 1960
Length(s) of casing(s).....	2 ft.	Static level.....	17' 20'
Type of screen.....	4	Pumping level.....	25'
Length of screen.....		Pumping rate.....	2.00 gpm
Distance from top of screen to ground level.....		Duration of test.....	1 hr
Is well a gravel-wall type?.....		Distance from cylinder or bowls to ground level.....	

Water Record

Kind (fresh or mineral)..... *fresh*.....

Quality (hard, soft, contains iron, sulphur, etc.)..... *hard*.....

Appearance (clear, cloudy, coloured)..... *clear*.....

For what purpose(s) is the water to be used?..... *house*.....

.....

How far is well from possible source of contamination?..... *50 ft*.....

What is the source of contamination?..... *septic tank*.....

Enclose a copy of any mineral analysis that has been made of water.....

Depth(s) to Water Horizon(s)	Kind of Water	No. of Feet Water Rises
120 122		10
		10

Well Log

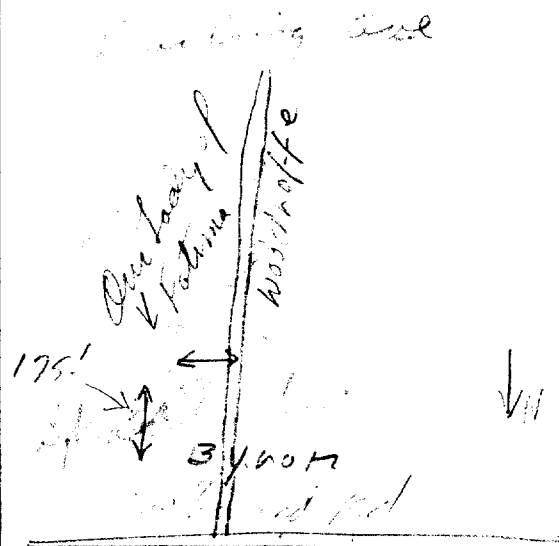
Overburden and Bedrock Record

From	To
0 ft.ft.

40	17	red base	1	10
41	18	grey sand stone	1	10
42	19			
43	20			
44	21			
45	22			
46	23			
47	24			
48	25			
49	26			
50	27			
51	28			
52	29			
53	30			
54	31			
55	32			
56	33			
57	34			
58	35			
59	36			
60	37			
61	38			
62	39			
63	40			
64	41			
65	42			
66	43			
67	44			
68	45			
69	46			
70	47			
71	48			
72	49			
73	50			
74	51			
75	52			
76	53			
77	54			
78	55			
79	56			
80	57			
81	58			
82	59			
83	60			
84	61			
85	62			
86	63			
87	64			
88	65			
89	66			
90	67			
91	68			
92	69			
93	70			
94	71			
95	72			
96	73			
97	74			
98	75			
99	76			
100	77			

Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow.



Situation: Is well on upland, in valley, or on hillside?.....
 Drilling Firm..... J. H. Muelberg.....
 Address.....
 Name of Driller..... Address..... Richmond, Ind.
 Date..... Licence Number.....

ASE 304

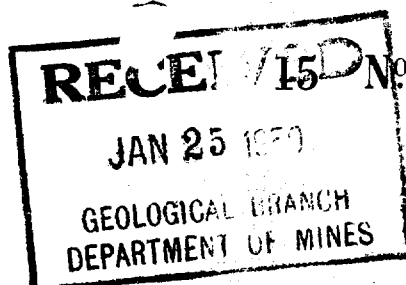
9 _R 5024900 _N

Elev. | 9 | R | 0 | 2 | 2 | 5 |

Basin 25 

The Well Drillers Act

Department of Mines, Province of Ontario



3907

Water Well Record

~~I.O.F.~~ 26
Con. . . . Lot. . . . Pt. Lot. . . .

LAND AVE. BRITANNIA

cluding pump)

Pipe and Casing Record

Pumping Test

Casing diameter(s) 4"	Date Nov. 25 1949
Length(s) of casing(s) 15'	Developed Capacity 400 G. P. H.
Length of screen	Duration of Test 30 MIN
Type of screen	Pumping Rate 400 G. P. H.
Type of pump	Drawdown 20'
Capacity of pump	Static level of completed well 15'
Depth of pump setting	Is well a gravel-wall type? No

Water Record

Kind (fresh or mineral)	Depth(s) to Water Horizon(s)	Kind of Water	No. of Feet Water Rises
<i>FRESH</i>	<i>130</i>	<i>GOOD</i>	<i>125</i>
Quality (hard, soft, contains iron, sulphur etc.) . <i>HARD</i>			
Appearance (clear, cloudy, coloured) <i>CLEAR</i>			
For what purpose(s) is the water to be used? . . <i>HOUSEHOLD</i>			
How far is well from possible source of contamination? . <i>50'</i>			
What is source of contamination? <i>SEPTIC TANK</i>			
Enclose a copy of any mineral analysis that has been made of water			

Well Log

Drift and Bedrock Record

From	To
0 ft.	.15..ft.

SHALE

LIME STONE

Location of Well

In diagram below show distances of well from road and lot line

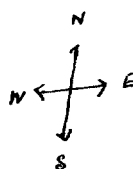
RICHMOND ROAD

STREET CAR TRACKS

• SEPTIC TANK

RECTORY

WELL



$3\frac{3}{4}$ MILE

CARLING AVE

Situation: Is well on upland, in valley, or on hillside? . . . UPLAND

Drilling Firm... F. A. McLEAN & SON

Address 185 JAMES ST. OTTAWA ONTARIO

Recorded by BURTON WELLMAN Address _____

Date Nov. 25 1949. Licence Number

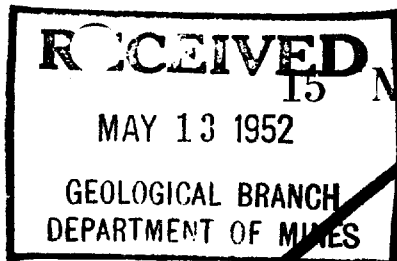
UTM 18 439280 9 5025060 9 0220
Elev. 9 0220
Basin 25



ONTARIO

The Well Drillers Act

Department of Mines, Province of Ontario



9048

Water Well Record

OTTAWA

County or Territorial District... Carleton ... City... Wardsville
Con... Lot... Street and Number (if in Village, Town or City) ...
Owner... Kavanagh Construction Co. ... Address... 346 McRae Ottawa
Date Completed... Feb 12 1952 ... Cost of Well (excluding pump) ...

Pipe and Casing Record

Pumping Test

Casing diameter(s)...	<u>4"</u>	Date...	<u>February 20 1952</u>
Length(s) of casing(s)...	<u>70 ft</u>	Static level...	<u>30 feet</u>
Type of screen...	<u>-</u>	Pumping level...	<u>50 feet</u>
Length of screen...	<u>-</u>	Pumping rate...	<u>not good</u>
Distance from top of screen to ground level...	<u>-</u>	Duration of test...	<u>1 day</u>
Is well a gravel-wall type?	<u>-</u>	Distance from cylinder or bowls to ground level...	<u>-</u>

Water Record

Kind (fresh or mineral)...	<u>dirty</u>	Depth(s) to Water Horizon(s)	Kind of Water	No. of Feet Water Rises
Quality (hard, soft, contains iron, sulphur, etc.)...	<u>hard</u>	<u>30 ft</u>	<u>Coloured</u>	<u>75 ft</u>
Appearance (clear, cloudy, coloured)...	<u>coloured</u>	<u>60'</u>		
For what purpose(s) is the water to be used?...	<u>not used</u>	<u>90'</u>		
.....	<u>but wanted for domestic uses</u>			
How far is well from possible source of contamination?				
What is the source of contamination?				
Enclose a copy of any mineral analysis that has been made of water				

Well Log

Overburden and Bedrock Record

From

To

0 ft.

...ft.

clay
gravel
limestone

1 -

60

60 -

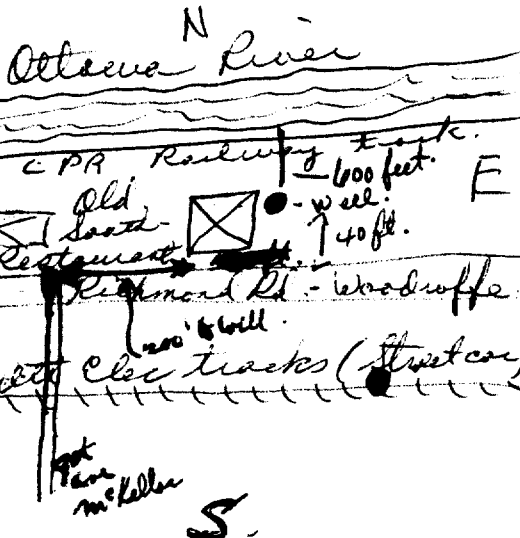
90

90 -

105

Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow.



Situation: Is well on upland, in valley, or on hillside? ... on hillside ...
Drilling Firm... Stewart H. Mulligan ...
Address... R.R. #1, Britannia Bay Ont. ...
Name of Driller... Frances Flannery ... Address... Quyon P.Q. ...
Date... March 29 1952 ... Licence Number... 2 ...

FORM 5

Signature of Licensee

N.B. This well completed by Diamond Well Drillers (gravel falling in)



Consulting Engineers

154 Colonnade Road South
Ottawa, Ontario
Canada, K2E 7J5
Tel: (613) 226-7381
Fax: (613) 226-6344

March 23, 2020
File: PE4910-HLUI

City of Ottawa
110 Laurier Avenue W
Ottawa, Ontario
K1P 1J1

Geotechnical Engineering
Environmental Engineering
Hydrogeology
Geological Engineering
Materials Testing
Building Science
Archaeological Services

www.patersongroup.ca

Subject: **Authorization Letter, HLUI Search
Phase I-Environmental Site Assessment
1010 Byron Avenue, Ottawa ON**

Dear Sir,

Please consider this letter as confirmation that Paterson Group has been retained to conduct a Phase I-Environmental Site Assessment at the aforementioned property.

With this letter, the property owner authorizes the City of Ottawa and other regulatory bodies to release, to Paterson Group, information requested for the purpose of completing an environmental assessment of the property.

Name of Company/Property Owner:

Byron Rental Properties Ltd.

Name of Representative

Jordan Tannis

Signature of Representative

A handwritten signature in black ink, appearing to read 'Jordan Tannis'.

Date

3/23/2020

Office Use Only

Application Number: _____	Ward Number: _____	Application Received: (dd/mm/yyyy): _____
Client Service Centre Staff: _____	Fee Received: \$	<input type="text"/>



Historic Land Use Inventory

Application Form

Notice of Public Record

All information and materials required in support of your application shall be made available to the public, as indicated by Section 1.0.1 of *The Planning Act*, R.S.O. 1990, C.P.13.

Municipal Freedom of Information and Protection Act

Personal information on this form is collected under the authority the *Planning Act*, RSO 1990, c. P. 13 and will be used to process this application. Questions about this collection may be directed by mail to Manager, Business Support Services, Planning Infrastructure and Economic Development Department, 110 Laurier Avenue West, Ottawa, K1P 1J1, or by phone at (613) 580-2424, ext. 24075

Background Information

***Site Address or Location:**

1010 Byron Ave, Ottawa ON

** Mandatory Field*

Applicant/Agent Information:

Name:	<input type="text" value="Mandy Witteman"/>		
Mailing Address:	<input type="text" value="154 Colonnade Road S, Ottawa ON"/>		
Telephone:	<input type="text" value="613-226-7381"/>	Email Address:	<input type="text" value="mwitteman@patersongroup.ca"/>

Registered Property Owner Information:

☐ Same as above

Name:	<input type="text" value="Concorde Developments"/>		
Mailing Address:	<input type="text" value="408 Tweedsmuir Ave, Ottawa ON"/>		
Telephone:	<input type="text" value="613-291-8660"/>	Email Address:	<input type="text" value="jt@concorde-properties.ca"/>

Site Details

Legal Description
and PIN:

Part of Lot 26, Parts 6, 7 and 8 of RP314928

What is the land
currently used for?

parking garage

Lot frontage:

m

Lot depth:

m

Lot area:

m²

OR

Lot area: (irregular lot)

2,548

m²

Does the site have Full Municipal Services:

☐

Yes

☒

No

Required Fees

Please don't hesitate to visit [the Historic Land Use Inventory website](#) more information. Fees must be paid in full at the time of application submission.

Planning Fee

\$125.00

Submittal Requirements

The following are required to be submitted with this application:

- 1. Consent to Disclose Information:** Consultants and other third parties may make requests for information on behalf of an individual or corporation. However, if the requester is not the owner of the property, **the requester must provide the City of Ottawa with a 'consent to disclose information' letter, signed by the property owner.** This will authorize the City of Ottawa to release any relevant information about the property or its owner(s) to the requester. Consent for disclosure is required in the event that personal information or proprietary company information is found concerning the property and its owner. All consents must clearly indicate the name of the property owner as well as the name of the requester, and must be signed and dated.
- 2. Disclaimer:** Requesters must read and understand the conditions included in the attached disclaimer and submit a signed disclaimer to the City of Ottawa's Planning, Infrastructure and Economic Development Department. This disclaimer is related to the Historic Land Use Inventory and must be received by the City of Ottawa, signed and dated by the requestor, before the process can begin.
- 3. A site plan or key plan of the property, its location and particular features.**
- 4. Any significant dates or time frames that you would like researched.**

Disclaimer
For use with HLUI Database

CITY OF OTTAWA ("the City") is the owner of the Historical Land Use Inventory ("HLUI"), a database of information on the type and location of land uses within the geographic area of Ottawa, which had or have the potential to cause contamination in soil, groundwater or surface water.

The City, in providing information from the HLUI, to Paterson Group _____ ("the Requester") does so only under the following conditions and understanding:

1. The HLUI may contain erroneous information given that such records and sources of information may be flawed. Changes in municipal addresses over time may have introduced error in such records and sources of information. The City is not responsible for any errors or omissions in the HLUI and reserves the right to change and update the HLUI without further notice. The City does not, however, make any commitment to update the HLUI. Accordingly, all information from the HLUI 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.
2. City staff will perform a search of the HLUI based on the information given by the Requester. City staff will make every effort to be accurate, however, the City does not provide an assurance, guarantee, warranty, representation (express or implied), as to the availability, accuracy, completeness or currency of information which will be provided to the Requester. The HLUI in no way confirms the presence or absence of contamination or pollution of any kind. The information provided by the City to the Requester is provided on the assumption that it will not be relied upon by any person whatsoever. The City denies all liability to any such persons attempting to rely on any information provided from the HLUI database.
3. The City, its employees, servants, agents, boards, officials or contractors take no responsibility for any actions, claims, losses, liability, judgments, demands, expenses, costs, damages or harm suffered by any person whatsoever including negligence in compiling or disseminating information in the HLUI.
4. Copyright is reserved to the City.
5. Any use of the information provided from the HLUI which a third party makes, or any reliance on or decisions to be based on it, are the responsibilities of such third parties. The City, its employees, servants, agents, boards, officials or contractors accept no responsibility for any damages, if any, suffered by a third party as a result of decisions made as a result of an information search of the HLUI.
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Signed: _____

Dated (dd/mm/yyyy): 23/10/2020 _____

Per: Mandy Witteman _____

(Please print name)

Title: Consultant _____

Company: Paterson Group _____



DATABASE REPORT

Project Property: *PE4910 - 1010 Byron Ave
1010 Byron Ave
Ottawa ON K2A 0J3
29728*

Project No: *29728*

Report Type: *Standard Report*

Order No: *20200326023*

Requested by: *Paterson Group Inc.*

Date Completed: *March 30, 2020*

Environmental Risk Information Services

A division of Glacier Media Inc.

1.866.517.5204 | info@erisinfo.com | erisinfo.com

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Executive Summary

Property Information:

Project Property: PE4910 - 1010 Byron Ave
1010 Byron Ave Ottawa ON K2A 0J3

Project No: 29728

Coordinates:

Latitude: 45.3785422
Longitude: -75.7725617
UTM Northing: 5,025,293.30
UTM Easting: 439,512.61
UTM Zone: 18T

Elevation: 222 FT
67.57 M

Order Information:

Order No: 20200326023
Date Requested: March 26, 2020
Requested by: Paterson Group Inc.
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	0	0
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	1	1
CA	<i>Certificates of Approval</i>	Y	0	1	1
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	1	1
EBR	<i>Environmental Registry</i>	Y	0	0	0
ECA	<i>Environmental Compliance Approval</i>	Y	0	2	2
EEM	<i>Environmental Effects Monitoring</i>	Y	0	0	0
EHS	<i>ERIS Historical Searches</i>	Y	0	12	12
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
FED TANKS	<i>Federal Identification Registry for Storage Tank Systems (FIRSTS)</i>	Y	0	0	0
FOFT	<i>Fisheries & Oceans Fuel Tanks</i>	Y	0	0	0
FST	<i>Fuel Storage Tank</i>	Y	0	0	0
FSTH	<i>Fuel Storage Tank - Historic</i>	Y	0	0	0
GEN	<i>Ontario Regulation 347 Waste Generators Summary</i>	Y	0	3	3
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	0	0
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	1	1
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	0	0
WWIS	Water Well Information System	Y	0	3	3
		Total:	0	27	27

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>
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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
<u>1</u>	EHS		875 Richmond Rd Ottawa ON K2A0G7	NW/120.7	-2.73	<u>17</u>
<u>2</u>	GEN	POOLARAMA (NOT A GENERATOR)	881 RICHMOND RD OTTAWA ON K2A 0G8	WNW/123.0	-2.90	<u>17</u>
<u>2</u>	GEN	POOLARAMA (NOT A GENERATOR) 31-029	881 RICHMOND RD OTTAWA ON K2A 0G8	WNW/123.0	-2.90	<u>17</u>
<u>3</u>	CA	OTTAWA CITY	KNIGHTSBRIDGE RD/LOCKHART AVE. OTTAWA ON	S/145.2	0.85	<u>17</u>
<u>4</u>	EHS		2085 and 2165 Carling Avenue Ottawa ON	ESE/145.2	1.31	<u>18</u>
<u>5</u>	EASR	HOMESTEAD LAND HOLDINGS LIMITED	851 Richmond RD OTTAWA ON K2A 3X2	NNW/162.7	-2.73	<u>18</u>
<u>6</u>	EHS		127 Bassett Ln Ottawa ON K1Y 0K4	WSW/179.9	-1.39	<u>18</u>
<u>7</u>	ECA	City of Ottawa	Lockhart, Wayne, Algonquin, Aylen and Pooler Ave , Ottawa City, Ottawa ON K2G 6J8	SSE/187.2	2.31	<u>18</u>
<u>7</u>	ECA	City of Ottawa	Lockhart, Wayne, Algonquin, Aylen and Pooler Ave , Ottawa City, Ottawa ON K2G 6J8	SSE/187.2	2.31	<u>19</u>
<u>8</u>	EHS		917 Richmond Rd. Ottawa ON K2A 0G8	W/195.8	-2.84	<u>19</u>
<u>8</u>	EHS		917 RICHMOND RD OTTAWA ON K2A 0G8	W/195.8	-2.84	<u>19</u>
<u>8</u>	EHS		917 Richmond Rd Ottawa ON K2A 0G8	W/195.8	-2.84	<u>19</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>8</u>	EHS		917 Richmond Rd. Ottawa ON K2A 0G8	W/195.8	-2.84	<u>19</u>
<u>8</u>	EHS		917 Richmond Rd Ottawa ON K2A0G8	W/195.8	-2.84	<u>20</u>
<u>8</u>	EHS		917 Richmond Road Ottawa ON	W/195.8	-2.84	<u>20</u>
<u>9</u>	WWIS		ON Well ID: 1509048	W/202.2	-3.61	<u>20</u>
<u>10</u>	BORE		ON	W/202.3	-3.61	<u>23</u>
<u>11</u>	WWIS		lot 26 con 1 ON Well ID: 1503906	SW/214.4	0.00	<u>24</u>
<u>12</u>	WWIS		lot 26 con 1 ON Well ID: 1503907	SW/229.0	0.00	<u>27</u>
<u>13</u>	HINC		79 WOODROFFE AVENUE OTTAWA ON K2A 3T5	W/235.3	-5.39	<u>29</u>
<u>14</u>	EHS		929 Richmond Road Ottawa ON K2B 6R1	WSW/236.2	-2.39	<u>30</u>
<u>15</u>	SPL	Enbridge Gas Distribution Inc.	2045 Honeywell Ave Ottawa ON	NE/240.2	-1.69	<u>30</u>
<u>16</u>	EHS		175 Woodroffe Ave Ottawa ON K2A 3V2	SW/246.4	1.65	<u>30</u>
<u>16</u>	EHS		175 Woodroffe Avenue Ottawa ON K2A 3V2	SW/246.4	1.65	<u>31</u>
<u>17</u>	PTTW	Westboro Point Developments Ltd.	108 Woodroffe Ave, Ottawa, City and 927-929 Richmond Rd, Ottawa, City CITY OF OTTAWA ON	WSW/246.4	-2.69	<u>31</u>

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev Diff (m)</i>	<i>Page Number</i>
<u>18</u>	SPL	Enbridge Gas Distribution Inc.	2182 Deschenes Street Ottawa ON	W/247.4	-4.66	<u>31</u>
<u>19</u>	GEN	HULSE AND PLAYFAIR LIMITED	1098 BYRON AVENUE OTTAWA ON K2A 6T1	WSW/249.7	-0.80	<u>32</u>

Executive Summary: Summary By Data Source

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2018 has found that there are 1 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	W	202.30	<u>10</u>

CA - Certificates of Approval

A search of the CA database, dated 1985-Oct 30, 2011* has found that there are 1 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 CITY	KNIGHTSBRIDGE RD/LOCKHART AVE. OTTAWA ON	S	145.23	<u>3</u>

EASR - Environmental Activity and Sector Registry

A search of the EASR database, dated Oct 2011-Feb 29, 2020 has found that there are 1 EASR 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>
HOMESTEAD LAND HOLDINGS LIMITED	851 Richmond RD OTTAWA ON K2A 3X2	NNW	162.69	<u>5</u>

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011-Feb 29, 2020 has found that there are 2 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>
City of Ottawa	Lockhart, Wayne, Algonquin, Aylen and Pooler Ave , Ottawa City, Ottawa ON K2G 6J8	SSE	187.15	<u>7</u>
City of Ottawa	Lockhart, Wayne, Algonquin, Aylen and Pooler Ave , Ottawa City, Ottawa ON K2G 6J8	SSE	187.15	<u>7</u>

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
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EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Jan 31, 2020 has found that there are 12 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>
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2085 and 2165 Carling Avenue Ottawa ON	ESE	145.25	<u>4</u>
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175 Woodroffe Avenue Ottawa ON K2A 3V2	SW	246.38	<u>16</u>
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175 Woodroffe Ave Ottawa ON K2A 3V2	SW	246.38	<u>16</u>
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<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
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875 Richmond Rd Ottawa ON K2A0G7	NW	120.70	<u>1</u>
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127 Bassett Ln Ottawa ON K1Y 0K4	WSW	179.94	<u>6</u>
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917 Richmond Rd Ottawa ON K2A0G8	W	195.83	<u>8</u>
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917 Richmond Road Ottawa ON	W	195.83	<u>8</u>
--------------------------------	---	--------	--------------------------

917 Richmond Rd. Ottawa ON K2A 0G8	W	195.83	<u>8</u>
---------------------------------------	---	--------	--------------------------

917 Richmond Rd Ottawa ON K2A 0G8	W	195.83	<u>8</u>
--------------------------------------	---	--------	--------------------------

917 RICHMOND RD OTTAWA ON K2A 0G8	W	195.83	8
917 Richmond Rd. Ottawa ON K2A 0G8	W	195.83	8
929 Richmond Road Ottawa ON K2B 6R1	WSW	236.21	14

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Jan 31, 2020 has found that there are 3 GEN 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>
POOLARAMA (NOT A GENERATOR)	881 RICHMOND RD OTTAWA ON K2A 0G8	WNW	122.99	2
POOLARAMA (NOT A GENERATOR) 31-029	881 RICHMOND RD OTTAWA ON K2A 0G8	WNW	122.99	2
HULSE AND PLAYFAIR LIMITED	1098 BYRON AVENUE OTTAWA ON K2A 6T1	WSW	249.68	19

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>
	79 WOODROFFE AVENUE OTTAWA ON K2A 3T5	W	235.30	13

PTTW - Permit to Take Water

A search of the PTTW database, dated 1994-Feb 29, 2020 has found that there are 1 PTTW 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>
Westboro Point Developments Ltd.	108 Woodroffe Ave, Ottawa, City and 927-929 Richmond Rd, Ottawa, City CITY OF OTTAWA	WSW	246.38	17

SPL - Ontario Spills

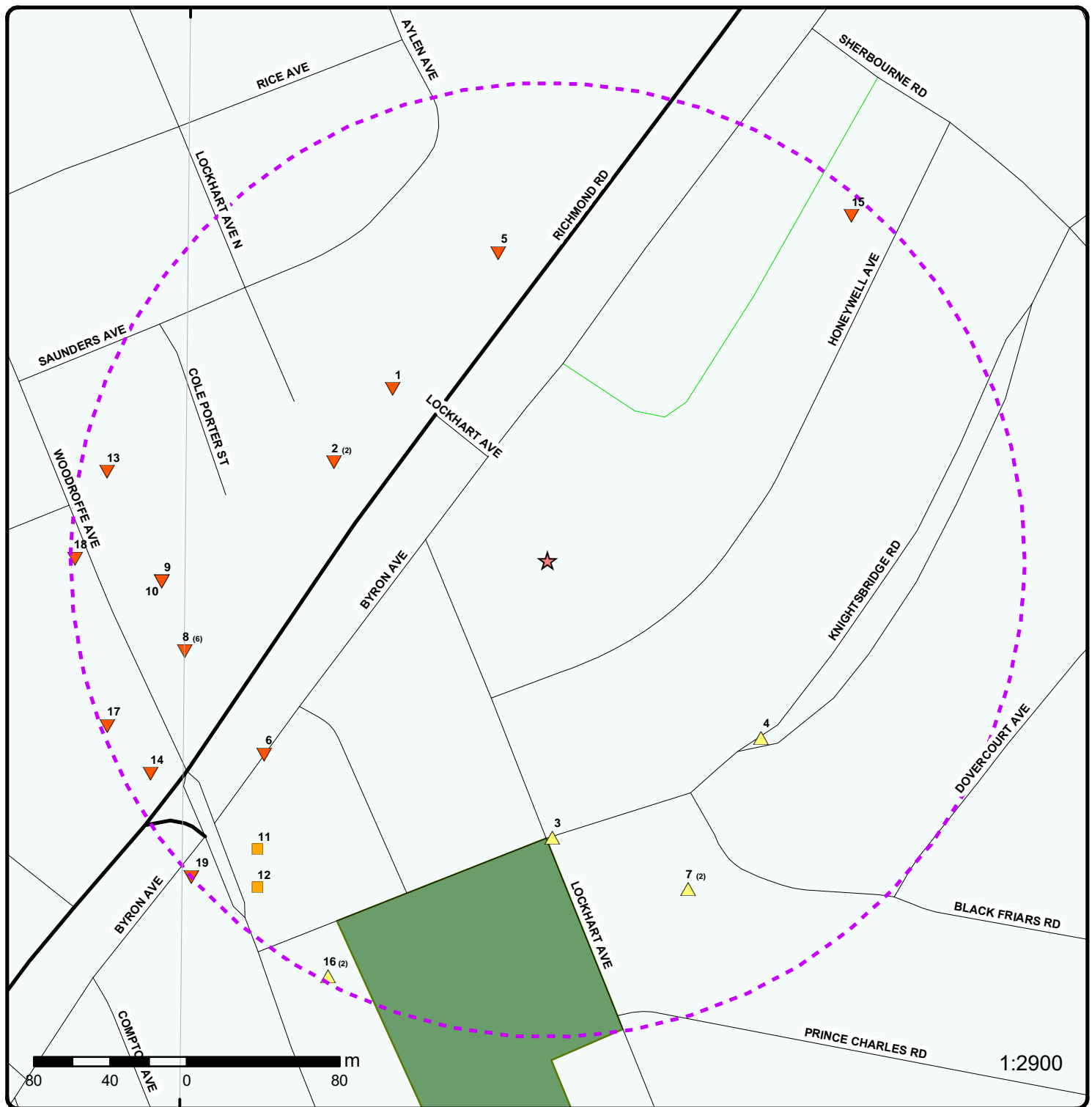
A search of the SPL database, dated 1988-Aug 2019 has found that there are 2 SPL site(s) within approximately 0.25 kilometers of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Enbridge Gas Distribution Inc.	2045 Honeywell Ave Ottawa ON	NE	240.24	<u>15</u>
Enbridge Gas Distribution Inc.	2182 Deschenes Street Ottawa ON	W	247.42	<u>18</u>

WWIS - Water Well Information System

A search of the WWIS database, dated Feb 28, 2019 has found that there are 3 WWIS 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>
	lot 26 con 1 ON <i>Well ID:</i> 1503906	SW	214.41	<u>11</u>
	lot 26 con 1 ON <i>Well ID:</i> 1503907	SW	228.96	<u>12</u>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	ON <i>Well ID:</i> 1509048	W	202.23	<u>9</u>



Map : 0.25 Kilometer Radius

Order Number: 20200326023

Address: 1010 Byron Ave, Ottawa, ON

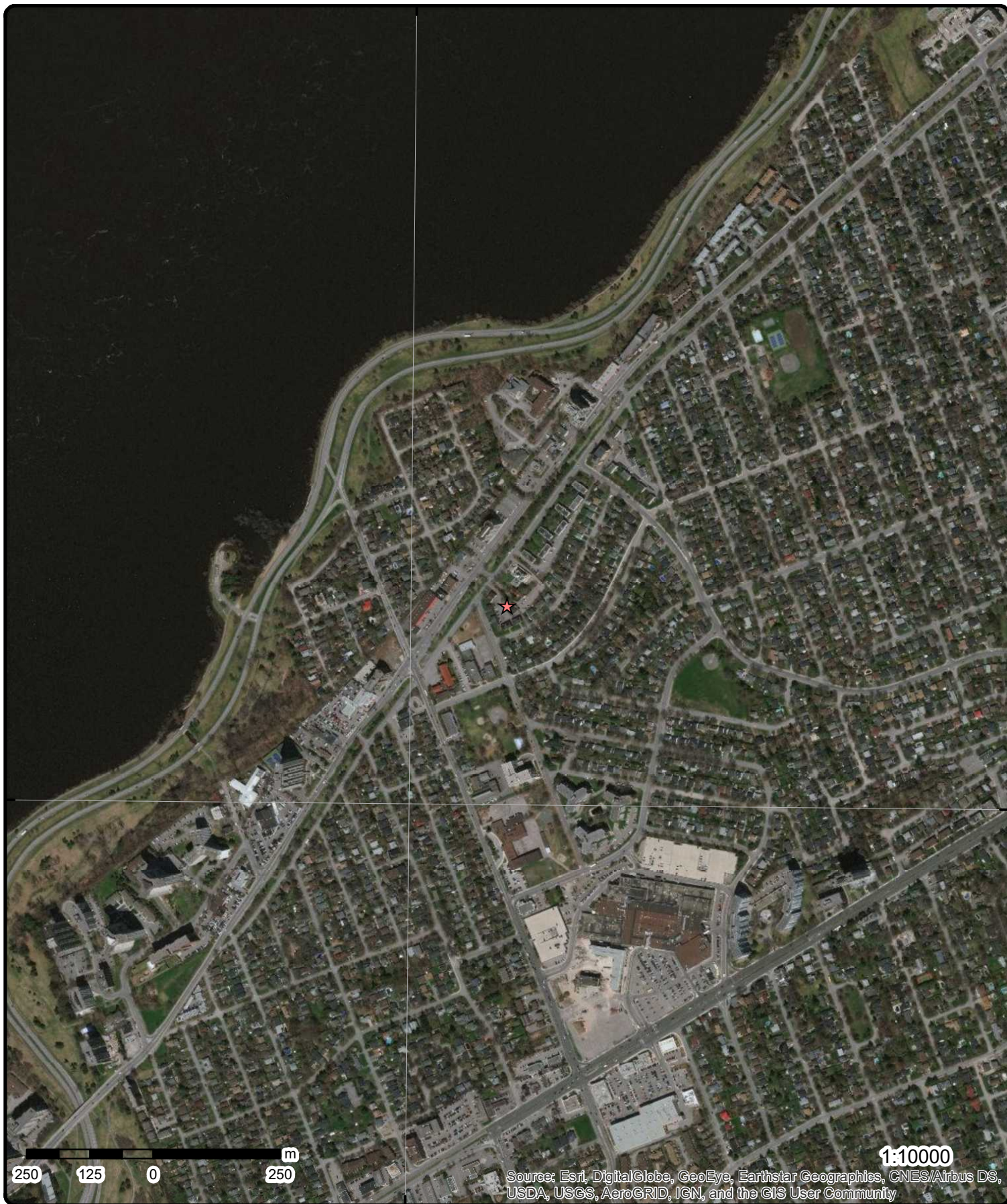


Project Property	Expressway	Industrial and Resource - Regions	National Park
Buffer Outline	Principal Highway	Main Line	Provincial or Territorial Park
Eris Sites with Higher Elevation	Secondary Highway	Sidetrack	Other Park
Eris Sites with Same Elevation	Major Road	Transit Line	Golf Course or Driving Range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

75°46'30"W

45°22'30"N

45°22'30"N



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

1:10000

Aerial

Year: 2019

Address: 1010 Byron Ave, Ottawa, ON

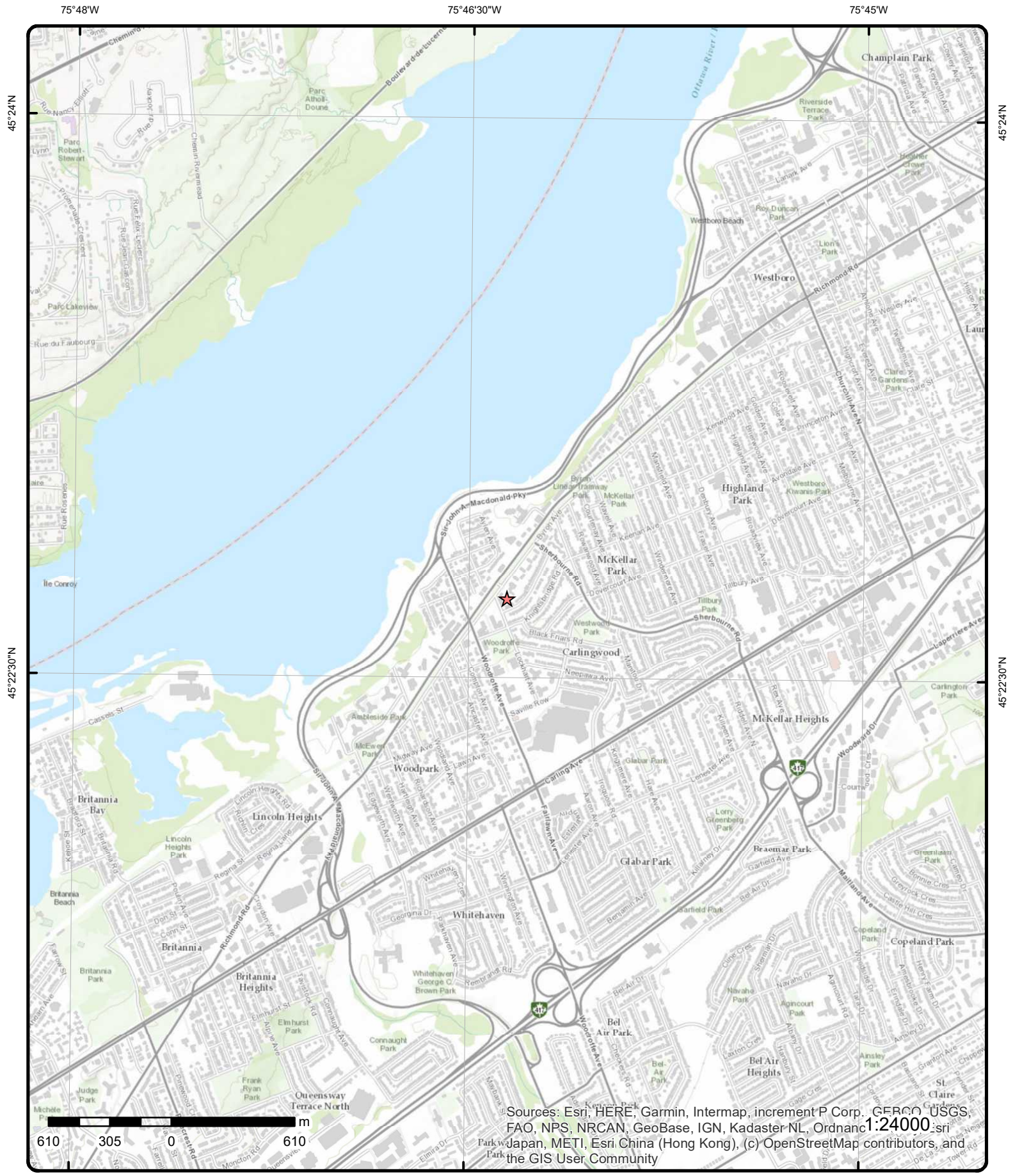
Source: ESRI World Imagery

Order Number: 20200326023

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Topographic Map

Address: 1010 Byron Ave, ON

Source: ESRI World Topographic Map

Order Number: 20200326023



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Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 1	NW/120.7	64.8 / -2.73	875 Richmond Rd Ottawa ON K2A0G7	EHS
Order No: 20170721052 Status: C Report Type: Standard Report Report Date: 28-JUL-17 Date Received: 21-JUL-17 Previous Site Name: Lot/Building Size: 1250 square metres Additional Info Ordered: Fire Insur. Maps and/or Site Plans		Nearest Intersection: Municipality: Ottawa Client Prov/State: ON Search Radius (km): .25 X: -75.773608 Y: 45.37934			
2	1 of 2	WNW/123.0	64.7 / -2.90	POOLARAMA (NOT A GENERATOR) 881 RICHMOND RD OTTAWA ON K2A 0G8	GEN
Generator No: ON0260700 Status: Approval Years: 86,87,88,89,90 Contam. Facility: MHSW Facility: SIC Code: 0000 SIC Description: *** NOT DEFINED ***		PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:			
2	2 of 2	WNW/123.0	64.7 / -2.90	POOLARAMA (NOT A GENERATOR) 31-029 881 RICHMOND RD OTTAWA ON K2A 0G8	GEN
Generator No: ON0260700 Status: Approval Years: 92,93,94 Contam. Facility: MHSW Facility: SIC Code: 0000 SIC Description: *** NOT DEFINED ***		PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:			
3	1 of 1	S/145.2	68.4 / 0.85	OTTAWA CITY KNIGHTSBRIDGE RD/LOCKHART AVE. OTTAWA ON	CA
Certificate #: 3-1025-98- Application Year: 98 Issue Date: 7/27/1998 Approval Type: Municipal sewage Status: Approved Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
4	1 of 1	ESE/145.2	68.9 / 1.31	2085 and 2165 Carling Avenue Ottawa ON	EHS
Order No: 20171002102 Status: C Report Type: Custom Report Report Date: 07-NOV-17 Date Received: 02-OCT-17 Previous Site Name: Lot/Building Size: Additional Info Ordered:		Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .25 X: -75.771124 Y: 45.377716			
5	1 of 1	NNW/162.7	64.8 / -2.73	HOMESTEAD LAND HOLDINGS LIMITED 851 Richmond RD OTTAWA ON K2A 3X2	EASR
Approval No: R-009-6111097354 Status: REGISTERED Date: 2019-03-14 Record Type: EASR Link Source: MOFA Project Type: Water Taking - Construction Dewatering Full Address: Approval Type: EASR-Water Taking - Construction Dewatering Full PDF Link: http://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/ViewDocument.action?documentRefID=2136408		SWP Area Name: Rideau Valley MOE District: Ottawa Municipality: OTTAWA Latitude: 45.38027778 Longitude: -75.77250000000001 Geometry X: Geometry Y:			
6	1 of 1	WSW/179.9	66.2 / -1.39	127 Bassett Ln Ottawa ON K1Y 0K4	EHS
Order No: 20190821095 Status: C Report Type: RSC Report (Urban) Report Date: 27-AUG-19 Date Received: 21-AUG-19 Previous Site Name: Lot/Building Size: 3125 m2 Additional Info Ordered: Fire Insur. Maps and/or Site Plans; City Directory; Aerial Photos		Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .3 X: -75.774443 Y: 45.377612			
7	1 of 2	SSE/187.2	69.9 / 2.31	City of Ottawa Lockhart, Wayne, Algonquin, Aylen and Pooler Ave , Ottawa City, Ottawa ON K2G 6J8	ECA
Approval No: 8583-7F8M2Z Approval Date: 2008-06-02 Status: Approved Record Type: ECA Link Source: IDS SWP Area Name: Rideau Valley Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS Address: Lockhart, Wayne, Algonquin, Aylen and Pooler Ave , Ottawa City, Full Address: Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/3704-7F3KH2-14.pdf		MOE District: Ottawa City: Longitude: -75.7716 Latitude: 45.377 Geometry X: Geometry Y:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
7	2 of 2	SSE/187.2	69.9 / 2.31	City of Ottawa Lockhart, Wayne, Algonquin, Aylen and Pooler Ave , Ottawa City, Ottawa ON K2G 6J8	ECA
Approval No: 0362-7F8M6D Approval Date: 2008-06-02 Status: Approved Record Type: ECA Link Source: IDS SWP Area Name: Rideau Valley Approval Type: ECA-Municipal Drinking Water Systems Project Type: Municipal Drinking Water Systems Address: Lockhart, Wayne, Algonquin, Aylen and Pooler Ave , Ottawa City, Full Address: Full PDF Link:		MOE District: Ottawa City: Longitude: -75.7716 Latitude: 45.377 Geometry X: Geometry Y:			
8	1 of 6	W/195.8	64.7 / -2.84	917 Richmond Rd. Ottawa ON K2A 0G8	EHS
Order No: 20020923019 Status: C Report Type: Site Report Report Date: 9/27/02 Date Received: 9/23/02 Previous Site Name: Lot/Building Size: Additional Info Ordered:		Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): 0.25 X: -75.774727 Y: 45.378078			
8	2 of 6	W/195.8	64.7 / -2.84	917 RICHMOND RD OTTAWA ON K2A 0G8	EHS
Order No: 20050725024 Status: C Report Type: Basic Report Report Date: 7/26/2005 Date Received: 7/25/2005 Previous Site Name: Lot/Building Size: Additional Info Ordered:		Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): 0.25 X: -75.774856 Y: 45.378154			
8	3 of 6	W/195.8	64.7 / -2.84	917 Richmond Rd Ottawa ON K2A 0G8	EHS
Order No: 20100408066 Status: C Report Type: Custom Report Report Date: 4/19/2010 Date Received: 4/8/2010 Previous Site Name: Lot/Building Size: Additional Info Ordered:		Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): 0.25 X: -75.774856 Y: 45.377841			
8	4 of 6	W/195.8	64.7 / -2.84	917 Richmond Rd. Ottawa ON K2A 0G8	EHS
Order No: 20120508052 Status: C Report Type: Standard Report		Nearest Intersection: Municipality: Client Prov/State: ON			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Report Date: 5/11/2012 Date Received: 5/8/2012 Previous Site Name: Lot/Building Size: Additional Info Ordered:					
Search Radius (km): 0.25 X: -75.774881 Y: 45.377867					
8	5 of 6	W/195.8	64.7 / -2.84	917 Richmond Rd Ottawa ON K2A0G8	EHS
Order No: 20141119016 Status: C Report Type: Standard Report Report Date: 25-NOV-14 Date Received: 19-NOV-14 Previous Site Name: Lot/Building Size: Additional Info Ordered:					
Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .25 X: -75.774945 Y: 45.378035					
8	6 of 6	W/195.8	64.7 / -2.84	917 Richmond Road Ottawa ON	EHS
Order No: 20190207091 Status: C Report Type: Standard Report Report Date: 13-FEB-19 Date Received: 07-FEB-19 Previous Site Name: Lot/Building Size: Additional Info Ordered:					
Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .25 X: -75.774945 Y: 45.378035					
9	1 of 1	W/202.2	64.0 / -3.61	ON	WWIS
Well ID: 1509048 Construction Date: Primary Water Use: Not Used Sec. Water Use: 0 Final Well Status: Abandoned-Quality Water Type: Casing Material: Audit No: Tag: Construction Method: Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy:					
Data Entry Status: Data Src: 1 Date Received: 5/13/1952 Selected Flag: Yes Abandonment Rec: Contractor: 3718 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:					
Bore Hole Information					
Bore Hole ID: 10031082 DP2BR: 90 Spatial Status: Code OB: r					
Elevation: 67.718238 Elevrc: Zone: 18 East83: 439310.7					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Code OB Desc:	Bedrock			North83:	5025282
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	9
Date Completed:	2/12/1952			UTMRC Desc:	unknown UTM
Remarks:				Location Method:	p9
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931011309			
Layer:		2			
Color:					
General Color:					
Mat1:		11			
Most Common Material:		GRAVEL			
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		60			
Formation End Depth:		90			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931011308			
Layer:		1			
Color:					
General Color:					
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		0			
Formation End Depth:		60			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931011310			
Layer:		3			
Color:					
General Color:					
Mat1:		15			
Most Common Material:		LIMESTONE			
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		90			
Formation End Depth:		105			
Formation End Depth UOM:		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<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:	10579652				
Casing No:	1				
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:	930054807				
Layer:	1				
Material:	1				
Open Hole or Material:	STEEL				
Depth From:					
Depth To:	70				
Casing Diameter:	4				
Casing Diameter UOM:	inch				
Casing Depth UOM:	ft				
<u>Construction Record - Casing</u>					
Casing ID:	930054809				
Layer:	3				
Material:	4				
Open Hole or Material:	OPEN HOLE				
Depth From:					
Depth To:	105				
Casing Diameter:	4				
Casing Diameter UOM:	inch				
Casing Depth UOM:	ft				
<u>Construction Record - Casing</u>					
Casing ID:	930054808				
Layer:	2				
Material:					
Open Hole or Material:					
Depth From:					
Depth To:	90				
Casing Diameter:	4				
Casing Diameter UOM:	inch				
Casing Depth UOM:	ft				
<u>Results of Well Yield Testing</u>					
Pump Test ID:	991509048				
Pump Set At:					
Static Level:	30				
Final Level After Pumping:	50				
Recommended Pump Depth:					
Pumping Rate:					
Flowing Rate:					
Recommended Pump Rate:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		2			
Water State After Test:		CLOUDY			
Pumping Test Method:		1			
Pumping Duration HR:		24			
Pumping Duration MIN:		0			
Flowing:		N			
 <u>Water Details</u>					
Water ID:		933463824			
Layer:		1			
Kind Code:		5			
Kind:		Not stated			
Water Found Depth:		60			
Water Found Depth UOM:		ft			
 <u>Water Details</u>					
Water ID:		933463825			
Layer:		2			
Kind Code:		5			
Kind:		Not stated			
Water Found Depth:		90			
Water Found Depth UOM:		ft			
<hr/>					
<u>10</u>	1 of 1	W/202.3	64.0 / -3.61	ON	BORE
Borehole ID:	611031			Inclin FLG:	No
OGF ID:	215512540			SP Status:	Initial Entry
Status:				Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:				Primary Name:	
Completion Date:	FEB-1952			Municipality:	
Static Water Level:				Lot:	
Primary Water Use:				Township:	
Sec. Water Use:				Latitude DD:	45.378425
Total Depth m:	32			Longitude DD:	-75.77514
Depth Ref:	Ground Surface			UTM Zone:	18
Depth Elev:				Easting:	439311
Drill Method:				Northing:	5025282
Orig Ground Elev m:	67.1			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Not Applicable
DEM Ground Elev m:	67.7				
Concession:					
Location D:					
Survey D:					
Comments:					
 <u>Borehole Geology Stratum</u>					
Geology Stratum ID:	218387289			Mat Consistency:	Soft
Top Depth:	27.4			Material Moisture:	
Bottom Depth:	32			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Limestone			Geologic Formation:	
Material 2:				Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Stratum Description:		LIMESTONE. 00090DROCK, SHALE. SOFT. BEDROCK, SHALE. BEDROCK, LIMESTONE. OSE. SILT, SAND, T			
		**Note: Many records provided by the department have a truncated [Stratum Description] field.			
Geology Stratum ID:	218387287			Mat Consistency:	
Top Depth:	0			Material Moisture:	
Bottom Depth:	18.3			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Clay			Geologic Formation:	
Material 2:				Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:		CLAY.			
Geology Stratum ID:	218387288			Mat Consistency:	
Top Depth:	18.3			Material Moisture:	
Bottom Depth:	27.4			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Gravel			Geologic Formation:	
Material 2:				Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:		GRAVEL.			
Source					
Source Type:	Data Survey			Source Appl:	Spatial/Tabular
Source Orig:	Geological Survey of Canada			Source Iden:	1
Source Date:	1956-1972			Scale or Res:	Varies
Confidence:				Horizontal:	NAD27
Observatio:				Verticalda:	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)				
Source Details:	File: OTTAWA1.txt RecordID: 03539 NTS_Sheet:				
Confiden 1:					
Source List					
Source Identifier:	1			Horizontal Datum:	NAD27
Source Type:	Data Survey			Vertical Datum:	Mean Average Sea Level
Source Date:	1956-1972			Projection Name:	Universal Transverse Mercator
Scale or Resolution:	Varies				
Source Name:	Urban Geology Automated Information System (UGAIS)				
Source Originators:	Geological Survey of Canada				
11	1 of 1	SW/214.4	67.6 / 0.00	lot 26 con 1 ON	WWIS
Well ID:	1503906			Data Entry Status:	
Construction Date:				Data Src:	1
Primary Water Use:	Domestic			Date Received:	7/16/1951
Sec. Water Use:	0			Selected Flag:	Yes
Final Well Status:	Water Supply			Abandonment Rec:	
Water Type:				Contractor:	3718
Casing Material:				Form Version:	1
Audit No:				Owner:	
Tag:				Street Name:	
Construction Method:				County:	OTTAWA-CARLETON
Elevation (m):				Municipality:	OTTAWA CITY (NEPEAN)
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	026
Well Depth:				Concession:	01
Overburden/Bedrock:				Concession Name:	OF

25 erisinfo.com | Environmental Risk Information Services Order No: 20200326023

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
Method Construction Code:	1				
Method Construction:	Cable Tool				
Other Method Construction:					
 <u>Pipe Information</u>					
Pipe ID:	10574519				
Casing No:	1				
Comment:					
Alt Name:					
 <u>Construction Record - Casing</u>					
Casing ID:	930044646				
Layer:	1				
Material:	1				
Open Hole or Material:	STEEL				
Depth From:					
Depth To:	52				
Casing Diameter:	4				
Casing Diameter UOM:	inch				
Casing Depth UOM:	ft				
 <u>Construction Record - Casing</u>					
Casing ID:	930044647				
Layer:	2				
Material:	4				
Open Hole or Material:	OPEN HOLE				
Depth From:					
Depth To:	120				
Casing Diameter:	4				
Casing Diameter UOM:	inch				
Casing Depth UOM:	ft				
 <u>Results of Well Yield Testing</u>					
Pump Test ID:	991503906				
Pump Set At:					
Static Level:	20				
Final Level After Pumping:	25				
Recommended Pump Depth:					
Pumping Rate:	3				
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:	ft				
Rate UOM:	GPM				
Water State After Test Code:					
Water State After Test:					
Pumping Test Method:	1				
Pumping Duration HR:	1				
Pumping Duration MIN:	0				
Flowing:	N				
 <u>Water Details</u>					
Water ID:	933456932				
Layer:	1				
Kind Code:	1				
Kind:	FRESH				
Water Found Depth:	100				
Water Found Depth UOM:	ft				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Water Details</u>					
Water ID:		933456933			
Layer:		2			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		120			
Water Found Depth UOM:		ft			
<hr/>					
12	1 of 1	SW/229.0	67.6 / 0.00	lot 26 con 1 ON	WWIS
Well ID:	1503907			Data Entry Status:	
Construction Date:				Data Src:	1
Primary Water Use:	Domestic			Date Received:	1/25/1950
Sec. Water Use:	0			Selected Flag:	Yes
Final Well Status:	Water Supply			Abandonment Rec:	
Water Type:				Contractor:	3566
Casing Material:				Form Version:	1
Audit No:				Owner:	
Tag:				Street Name:	
Construction Method:				County:	OTTAWA-CARLETON
Elevation (m):				Municipality:	OTTAWA CITY (NEPEAN)
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	026
Well Depth:				Concession:	01
Overburden/Bedrock:				Concession Name:	OF
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					
<u>Bore Hole Information</u>					
Bore Hole ID:	10025950			Elevation:	69.398262
DP2BR:	0			Elevrc:	
Spatial Status:				Zone:	18
Code OB:	y			East83:	439360.7
Code OB Desc:	Unknown type (bedrock encountered)			North83:	5025122
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	9
Date Completed:	11/25/1949			UTMRC Desc:	unknown UTM
Remarks:				Location Method:	p9
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	930997860				
Layer:	3				
Color:	0				
General Color:					
Mat1:	00				
Most Common Material:	UNKNOWN TYPE				
Mat2:	00				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Other Materials:					
Mat3:		UNKNOWN TYPE	00		
Other Materials:					
Formation Top Depth:		135			
Formation End Depth:		150			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		930997859			
Layer:		2			
Color:					
General Color:					
Mat1:		15			
Most Common Material:		LIMESTONE			
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		15			
Formation End Depth:		135			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		930997858			
Layer:		1			
Color:					
General Color:					
Mat1:		17			
Most Common Material:		SHALE			
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		0			
Formation End Depth:		15			
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:		10574520			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930044649			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
Depth From:					
Depth To:		135			
Casing Diameter:		4			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		930044648			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		15			
Casing Diameter:		4			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		991503907			
Pump Set At:					
Static Level:		15			
Final Level After Pumping:		35			
Recommended Pump Depth:					
Pumping Rate:		7			
Flowing Rate:					
Recommended Pump Rate:		7			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		0			
Pumping Duration MIN:		30			
Flowing:		N			
<u>Water Details</u>					
Water ID:		933456934			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		150			
Water Found Depth UOM:		ft			
<u>13</u>	1 of 1	W/235.3	62.2 / -5.39	79 WOODROFFE AVENUE OTTAWA ON K2A 3T5	HINC
External File Num:		FS INC 0706-02752			
Fuel Occurrence Type:		Pipeline Strike			
Date of Occurrence:		6/14/2007			
Fuel Type Involved:		Natural Gas			
Status Desc:		Completed - No Action Required			
Job Type Desc:		Incident/Near-Miss Occurrence (FS)			
Oper. Type Involved:		Private Dwelling			
Service Interruptions:		No			
Property Damage:		No			
Fuel Life Cycle Stage:		Utilization			
Root Cause:					
Reported Details:					
Fuel Category:		Gaseous Fuel			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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:					
14	1 of 1	WSW/236.2	65.2 / -2.39	929 Richmond Road Ottawa ON K2B 6R1	EHS
Order No:		20080115021		Nearest Intersection:	
Status:		C		Municipality:	
Report Type:		Complete Report		Client Prov/State: ON	
Report Date:		1/24/2008		Search Radius (km): 0.25	
Date Received:		1/15/2008		X: -75.775299	
Previous Site Name:				Y: 45.377624	
Lot/Building Size:					
Additional Info Ordered:					
15	1 of 1	NE/240.2	65.9 / -1.69	Enbridge Gas Distribution Inc. 2045 Honeywell Ave Ottawa ON	SPL
Ref No:		8773-BBQJM4		Discharger Report:	
Site No:		NA		Material Group:	
Incident Dt:		4/30/2019		Health/Env Conseq: 2 - Minor Environment	
Year:				Corporation	
Incident Cause:				Client Type: Miscellaneous Industrial	
Incident Event:		Leak/Break		Sector Type:	
Contaminant Code:		35		Agency Involved:	
Contaminant Name:		NATURAL GAS (METHANE)		Nearest Watercourse:	
Contaminant Limit 1:				Site Address: 2045 Honeywell Ave	
Contam Limit Freq 1:				Site District Office: Ottawa	
Contaminant UN No 1:		1075		Site Postal Code:	
Environment Impact:				Site Region: Eastern	
Nature of Impact:				Site Municipality: Ottawa	
Receiving Medium:				Site Lot:	
Receiving Env:		Air		Site Conc:	
MOE Response:		No		Northing: 5025485.72	
Dt MOE Arvl on Scn:				Easting: 439697.05	
MOE Reported Dt:		4/30/2019		Site Geo Ref Accu:	
Dt Document Closed:		6/29/2019		Site Map Datum:	
Incident Reason:		Operator/Human Error		SAC Action Class: Air Spills - Gases and Vapours	
Site Name:		2045 Honeywell Ave, Ottawa<UNOFFICIAL>		Source Type: Valve/Fitting/Piping	
Site County/District:					
Site Geo Ref Meth:					
Incident Summary:		TSSA FSB: made safe, Enbridge 1/2" IP plastic line strike			
Contaminant Qty:		0 ft³			
16	1 of 2	SW/246.4	69.2 / 1.65	175 Woodroffe Ave Ottawa ON K2A 3V2	EHS
Order No:		20030220012		Nearest Intersection:	
Status:		C		Municipality:	
Report Type:		Complete Report		Client Prov/State: ON	
Report Date:		2/28/03		Search Radius (km): 0.25	
Date Received:		2/20/03		X: -75.774191	
Previous Site Name:				Y: 45.37642	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Lot/Building Size: Additional Info Ordered:					
16	2 of 2	SW/246.4	69.2 / 1.65	175 Woodroffe Avenue Ottawa ON K2A 3V2	EHS
Order No: 20111209007 Status: C Report Type: Custom Report Report Date: 12/15/2011 10:51:37 AM Date Received: 12/9/2011 10:51:37 AM Previous Site Name: Lot/Building Size: Additional Info Ordered:		Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): 0.25 X: -75.77409 Y: 45.376449			
17	1 of 1	WSW/246.4	64.9 / -2.69	Westboro Point Developments Ltd. 108 Woodroffe Ave, Ottawa, City and 927-929 Richmond Rd, Ottawa, City CITY OF OTTAWA ON	PTTW
EBR Registry No: 013-2487 Ministry Ref No: 4357-AVJPEZ Notice Type: Instrument Decision Notice Stage: Notice Date: September 19, 2018 Proposal Date: February 28, 2018 Year: 2018 Instrument Type: Permit to Take Water - OWRA s. 34 Off Instrument Name: Posted By: Company Name: Westboro Point Developments Ltd.(OWRA s. 34) - Permit to Take Water Site Address: Location Other: Proponent Name: Westboro Point Developments Ltd. Proponent Address: 929 Richmond Road Ottawa Ontario Canada K2B 8B9 Comment Period: URL: http://www.ebr.gov.on.ca/ERS-WEB-External/displaynoticecontent.do?noticeId=MTM0NzA5&statusId=MjA3Mzg2&language=en		Decision Posted: Exception Posted: Section: Act 1: Act 2: Site Location Map:			
Site Location Details: 108 Woodroffe Ave, Ottawa, City and 927-929 Richmond Rd, Ottawa, City CITY OF OTTAWA					
18	1 of 1	W/247.4	62.9 / -4.66	Enbridge Gas Distribution Inc. 2182 Deschenes Street Ottawa ON	SPL
Ref No: 8626-B6QQAL Site No: NA Incident Dt: 2018/11/21 Year: Incident Cause: Incident Event: Leak/Break Contaminant Code: 35 Contaminant Name: NATURAL GAS (METHANE) Contaminant Limit 1: Contam Limit Freq 1:		Discharger Report: Material Group: Health/Env Conseq: 2 - Minor Environment Client Type: Corporation Sector Type: Miscellaneous Communal Agency Involved: Nearest Watercourse: Site Address: 2182 Deschenes Street Site District Office: Ottawa Site Postal Code:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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:	1075 Air No 2018/11/21			Site Region: Site Municipality: Site Lot: Site Conc: Northings: Easting: Site Geo Ref Accu: Site Map Datum: SAC Action Class: Source Type:	Eastern Ottawa TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill Pipeline/Components
Incident Reason: Site Name: Site County/District: Site Geo Ref Meth: Incident Summary: Contaminant Qty:	Operator/Human Error Residential property<UNOFFICIAL> TSSA FSB: 1 1/4" plastic IP gas main damage, made safe 0 other - see incident description				

19	1 of 1	WSW/249.7	66.8 / -0.80	HULSE AND PLAYFAIR LIMITED 1098 BYRON AVENUE OTTAWA ON K2A 6T1	GEN
Generator No: Status: Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description:	ONF022700 88,89,90 9731 FUNERAL HOMES			PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:	
<u>Detail(s)</u>					
Waste Class: Waste Class Desc:	312 PATHOLOGICAL WASTES				

Unplottable Summary

Total: 26 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	OTTAWA CITY	BYRON AVENUE	OTTAWA CITY ON	
CA	CITY	BYRON AVE.	OTTAWA ON	
CA	City of Ottawa	Richmond Road	Ottawa ON	
CA	City of Ottawa	Richmond Road	Ottawa ON	
CA	OTTAWA CITY	RICHMOND ROAD	OTTAWA CITY ON	
CA	Bourke Family Development Inc.	Byron Ave Registered Plan No. 204	Ottawa ON	
CA	City of Ottawa	Richmond Road	Ottawa ON	
CA	City of Ottawa	Lockhart, Wayne, Algonquin, Aylen and Pooler Ave	Ottawa ON	
CA	City of Ottawa	Woodroffe Avenue	Ottawa ON	
CA	COMPUTING DEVICES COMPANY	RICHMOND RD.	NEPEAN CITY ON	
CA	NON-PROFIT HOUSING CORPORATION	RICHMOND RD.NON-PROFIT HOUSING	OTTAWA CITY ON	
CA	R.M. OF OTTAWA-CARLETON	DOVERCOURT AVE.	OTTAWA CITY ON	
CA	R.M. OF OTTAWA-CARLETON	WOODROFFE AVE. S.W.M. FACILITY	NEPEAN CITY ON	
CA	OTTAWA CITY	RICHMOND ROAD	OTTAWA CITY ON	
CA	OTTAWA CITY	DOVERCOURT AVE.	OTTAWA CITY ON	
CA	OTTAWA CITY	DOVERCOURT AVENUE	OTTAWA CITY ON	
CA		Richmond Road	Ottawa ON	
CA	COMPUTING DEVICES COMPANY	RICHMOND RD.	NEPEAN CITY ON	

ECA	City of Ottawa Non-Profit Housing Corporation	Lots 22, 23, 25 and part of Lots 26 & 31	Ottawa ON	K1Y 4T2
ECA	City of Ottawa	2073 Knightsbridge Rd	Ottawa ON	K2G 6J8
NPCB	ONTARIO HYDRO	WOODROFFE T.S.; RP 341791, BLOCK B	OTTAWA ON	
PES	LOBLAWS LIMITED C.O.B. AS "LOBLAWS" STORE #130-7	HWY. 15, BELLS CORNERS	OTTAWA ON	
SPL	HYDRO ONE	LOT 26, CONC. 1, (FORMERLY MARLBOROUGH TWP.) TRANSFORMER	OTTAWA CITY ON	
SPL	TEXACO	RICHMOND RD. SERVICE STATION	OTTAWA CITY ON	
SPL	ONTARIO HYDRO	WOODROFFE TRANSFORMER STATION TRANSFORMER	OTTAWA CITY ON	
WWIS		lot 27	ON	

Unplottable Report

Site: OTTAWA CITY
BYRON AVENUE OTTAWA CITY ON

Database:
CA

Certificate #: 3-1320-88-
Application Year: 88
Issue Date: 8/5/1988
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: CITY
BYRON AVE. OTTAWA ON

Database:
CA

Certificate #: 3-0302-85-006
Application Year: 85
Issue Date: 4/22/85
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: City of Ottawa
Richmond Road Ottawa ON

Database:
CA

Certificate #: 1424-6CXJGA
Application Year: 2005
Issue Date: 6/3/2005
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: City of Ottawa
Richmond Road Ottawa ON

Database:
CA

Certificate #: 6859-5X8K46
Application Year: 2004

Issue Date: 3/23/2004
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: OTTAWA CITY
RICHMOND ROAD OTTAWA CITY ON

Database:
CA

Certificate #: 3-0159-96-
Application Year: 96
Issue Date: 4/1/1996
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: Bourke Family Development Inc.
Byron Ave Registered Plan No. 204 Ottawa ON

Database:
CA

Certificate #: 3911-7BKMY9
Application Year: 2008
Issue Date: 2/7/2008
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: City of Ottawa
Richmond Road Ottawa ON

Database:
CA

Certificate #: 7893-5NLQJH
Application Year: 2003
Issue Date: 6/18/2003
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: City of Ottawa
Lockhart, Wayne, Algonquin, Ayleen and Pooler Ave Ottawa ON

Database:
CA

Certificate #: 8583-7F8M2Z
Application Year: 2008
Issue Date: 6/2/2008
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: City of Ottawa
Woodroffe Avenue Ottawa ON

Database:
CA

Certificate #: 9466-74ZR66
Application Year: 2007
Issue Date: 8/13/2007
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: COMPUTING DEVICES COMPANY
RICHMOND RD. NEPEAN CITY ON

Database:
CA

Certificate #: 7-1397-87-
Application Year: 87
Issue Date: 9/17/1987
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: NON-PROFIT HOUSING CORPORATION
RICHMOND RD. NON-PROFIT HOUSING OTTAWA CITY ON

Database:
CA

Certificate #: 7-0925-87-
Application Year: 87
Issue Date: 7/7/1987
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:

Contaminants:
Emission Control:

Site: R.M. OF OTTAWA-CARLETON
DOVERCOURT AVE. OTTAWA CITY ON

Database:
CA

Certificate #: 7-0817-89-
Application Year: 89
Issue Date: 6/1/1989
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: R.M. OF OTTAWA-CARLETON
WOODROFFE AVE. S.W.M. FACILITY NEPEAN CITY ON

Database:
CA

Certificate #: 3-0514-93-
Application Year: 93
Issue Date: 6/15/1993
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: OTTAWA CITY
RICHMOND ROAD OTTAWA CITY ON

Database:
CA

Certificate #: 3-1088-90-
Application Year: 90
Issue Date: 6/26/1990
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: OTTAWA CITY
DOVERCOURT AVE. OTTAWA CITY ON

Database:
CA

Certificate #: 3-0957-89-
Application Year: 89
Issue Date: 6/1/1989
Approval Type: Municipal sewage
Status: Approved
Application Type:

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

Site: OTTAWA CITY
DOVERCOURT AVENUE OTTAWA CITY ON

Database:
CA

Certificate #: 3-1338-88-
Application Year: 88
Issue Date: 8/5/1988
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: Richmond Road Ottawa ON

Database:
CA

Certificate #: 7965-5ERRRZ
Application Year: 02
Issue Date: 10/11/02
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name: City of Ottawa
Client Address: 110 Laurier Avenue West
Client City: Ottawa
Client Postal Code: K1P 1J1
Project Description: This application is for the construction of storm and sanitary sewers and appurtenances on Richmond Road
Contaminants:
Emission Control:

Site: COMPUTING DEVICES COMPANY
RICHMOND RD. NEPEAN CITY ON

Database:
CA

Certificate #: 3-1688-87-
Application Year: 87
Issue Date: 9/17/1987
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: City of Ottawa Non-Profit Housing Corporation
Lots 22, 23, 25 and part of Lots 26 & 31 Ottawa ON K1Y 4T2

Database:
ECA

Approval No: 2472-5C7QVQ

MOE District:

Approval Date: 2002-07-24
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address: Lots 22, 23, 25 and part of Lots 26 & 31
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/7357-59QMGD-14.pdf>

City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: **City of Ottawa**
2073 Knightsbridge Rd Ottawa ON K2G 6J8

Database:
ECA

Approval No: 7293-BLRSDJ
Approval Date: 2020-02-24
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address: 2073 Knightsbridge Rd
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/0233-BLKARNY-14.pdf>

MOE District:
City:
Longitude:
Latitude:
Geometry X: -8434724.5716
Geometry Y: 5681332.998599999

Site: **ONTARIO HYDRO**
WOODROFFE T.S.; RP 341791, BLOCK B OTTAWA ON

Database:
NPCB

Company Code: O0960
Industry: Utility
Site Status:
Transaction Date: 6/1/1988
Inspection Date:

Site: **LOBLAWS LIMITED C.O.B. AS "LOBLAWS" STORE #130-7**
HWY. 15, BELLS CORNERS OTTAWA ON

Database:
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:

Site: **HYDRO ONE**
LOT 26, CONC. 1, (FORMERLY MARLBOROUGH TWP.) TRANSFORMER OTTAWA CITY ON

Database:
SPL

Ref No: 207302
Site No:
Incident Dt: 7/30/2001

Discharger Report:
Material Group:
Health/Env Conseq:

Year:		Client Type:	
Incident Cause:	OTHER CAUSE (N.O.S.)	Sector Type:	
Incident Event:		Agency Involved:	
Contaminant Code:		Nearest Watercourse:	
Contaminant Name:		Site Address:	
Contaminant Limit 1:		Site District Office:	
Contam Limit Freq 1:		Site Postal Code:	
Contaminant UN No 1:		Site Region:	
Environment Impact:	Confirmed	Site Municipality:	20107
Nature of Impact:	Soil contamination	Site Lot:	
Receiving Medium:	Land	Site Conc:	
Receiving Env:		Northing:	
MOE Response:		Easting:	
Dt MOE Arvl on Scn:		Site Geo Ref Accu:	
MOE Reported Dt:	7/30/2001	Site Map Datum:	
Dt Document Closed:		SAC Action Class:	
Incident Reason:	OTHER	Source Type:	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	HYDRO ONE - 10 L OF NON- PCB OIL TO GROUND FROM TRANSFORMER.		
Contaminant Qty:			

Site: TEXACO
RICHMOND RD. SERVICE STATION OTTAWA CITY ON

Database:
SPL

Ref No:	14431	Discharger Report:	
Site No:		Material Group:	
Incident Dt:	2/2/1989	Health/Env Conseq:	
Year:		Client Type:	
Incident Cause:	OTHER CAUSE (N.O.S.)	Sector Type:	
Incident Event:		Agency Involved:	
Contaminant Code:		Nearest Watercourse:	
Contaminant Name:		Site Address:	
Contaminant Limit 1:		Site District Office:	
Contam Limit Freq 1:		Site Postal Code:	
Contaminant UN No 1:		Site Region:	
Environment Impact:	NOT ANTICIPATED	Site Municipality:	20101
Nature of Impact:		Site Lot:	
Receiving Medium:	LAND	Site Conc:	
Receiving Env:		Northing:	
MOE Response:		Easting:	
Dt MOE Arvl on Scn:		Site Geo Ref Accu:	
MOE Reported Dt:	2/2/1989	Site Map Datum:	
Dt Document Closed:		SAC Action Class:	
Incident Reason:	ERROR	Source Type:	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:			
Contaminant Qty:			

Site: ONTARIO HYDRO
WOODROFFE TRANSFORMER STATION TRANSFORMER OTTAWA CITY ON

Database:
SPL

Ref No:	33711	Discharger Report:	
Site No:		Material Group:	
Incident Dt:	4/25/1990	Health/Env Conseq:	
Year:		Client Type:	
Incident Cause:	COOLING SYSTEM LEAK	Sector Type:	
Incident Event:		Agency Involved:	
Contaminant Code:		Nearest Watercourse:	
Contaminant Name:		Site Address:	
Contaminant Limit 1:		Site District Office:	
Contam Limit Freq 1:		Site Postal Code:	
Contaminant UN No 1:		Site Region:	
Environment Impact:	NOT ANTICIPATED	Site Municipality:	20101

Nature of Impact:		Site Lot:
Receiving Medium:	LAND	Site Conc:
Receiving Env:		Northing:
MOE Response:		Easting:
Dt MOE Arvl on Scn:		Site Geo Ref Accu:
MOE Reported Dt:	4/25/1990	Site Map Datum:
Dt Document Closed:		SAC Action Class:
Incident Reason:	DAMAGE BY MOVING EQUIPMENT	Source Type:
Site Name:		
Site County/District:		
Site Geo Ref Meth:		
Incident Summary:	ONTARIO HYDRO - 2.5 L OF MINERAL OIL TO GROUND FROM CAPACITOR.	
Contaminant Qty:		

Site:	lot 27 ON	Database:
		WWIS

Well ID:	1518033	Data Entry Status:	
Construction Date:		Data Src:	1
Primary Water Use:	Cooling And A/C	Date Received:	12/13/1982
Sec. Water Use:		Selected Flag:	Yes
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	1558
Casing Material:		Form Version:	1
Audit No:		Owner:	
Tag:		Street Name:	
Construction Method:		County:	OTTAWA-CARLETON
Elevation (m):		Municipality:	OTTAWA CITY
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	027
Well Depth:		Concession:	
Overburden/Bedrock:		Concession Name:	
Pump Rate:		Easting NAD83:	
Static Water Level:		Northing NAD83:	
Flowing (Y/N):		Zone:	
Flow Rate:		UTM Reliability:	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10039904	Elevation:	
DP2BR:	15	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	
Code OB Desc:	Bedrock	North83:	
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	9
Date Completed:	1/29/1982	UTMRC Desc:	unknown UTM
Remarks:		Location Method:	na
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931037131
Layer:	4
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	

Mat3:
Other Materials:
Formation Top Depth: 27
Formation End Depth: 100
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931037128
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 10
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931037130
Layer: 3
Color: 8
General Color: BLACK
Mat1: 17
Most Common Material: SHALE
Mat2: 85
Other Materials: SOFT
Mat3:
Other Materials:
Formation Top Depth: 15
Formation End Depth: 27
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931037129
Layer: 2
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 10
Formation End Depth: 15
Formation End Depth UOM: ft

Method of Construction & Well
Use

Method Construction ID:
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10588474
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930069713
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 100
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930069712
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 23
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991518033
Pump Set At:
Static Level: 15
Final Level After Pumping: 50
Recommended Pump Depth: 60
Pumping Rate: 10
Flowing Rate:
Recommended Pump Rate: 5
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 934377689
Test Type: Draw Down
Test Duration: 30
Test Level: 50
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934103360
Test Type: Draw Down
Test Duration: 15
Test Level: 50
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934647523
Test Type: Draw Down
Test Duration: 45
Test Level: 50
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934896797
Test Type: Draw Down
Test Duration: 60
Test Level: 50
Test Level UOM: ft

Water Details

Water ID: 933474659
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 97
Water Found Depth UOM: ft

Appendix: Database Descriptions

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

Abandoned Aggregate Inventory:

Provincial

[AAGR](#)

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

Government Publication Date: Sept 2002*

Aggregate Inventory:

Provincial

[AGR](#)

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

Government Publication Date: Up to Sep 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.

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.

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 - Nov 2019

Inventory of Coal Gasification Plants and Coal Tar Sites:

Provincial COAL

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

Government Publication Date: Apr 1987 and Nov 1988*

Compliance and Convictions:

Provincial CONV

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

Government Publication Date: 1989-Nov 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-Feb 29, 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-Feb 29, 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-Feb 29, 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-Feb 29, 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-Jan 31, 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, 2018

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.

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-Nov 2019

Federal Identification Registry for Storage Tank Systems (FIRSTS):

Federal

FED TANKS

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

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 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.

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-Jan 31, 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 is 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.

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-Dec 31, 2019

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-Feb 29, 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 OGSRL 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-Feb 29, 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: 1988-Feb 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.

Government Publication Date: Feb 28, 2017

Private and Retail Fuel Storage Tanks:

Provincial

PRT

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

Government Publication Date: 1989-1996*

Permit to Take Water:

Provincial

PTTW

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

Government Publication Date: 1994-Feb 29, 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 clean-up orders for property owners is contingent upon documentation known as a record of site condition (RSC) being filed in the Environmental Site Registry. In order to file an RSC, the property must have been properly assessed and shown to meet the soil, sediment and groundwater standards appropriate for the use (such as residential) proposed to take place on the property. The Record of Site Condition Regulation (O. Reg. 153/04) details requirements related to site assessment and clean up.

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

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

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

Government Publication Date: 1988-Aug 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

Variances 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.

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-Feb 29, 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 3

QUALIFICATIONS OF ASSESSORS

POSITION

Intermediate Environmental Engineer

EDUCATION

Carleton University
M.A.Sc., Environmental Engineering, 2013
B.Eng., Environmental Engineering, 2008

MEMBERSHIPS & AWARDS

Ontario Professional Engineers Association (EIT)
NSERC Industry R&D Scholarship

EXPERIENCE

2018 – Present

Paterson Group Inc.

Consulting Engineers
Geotechnical and Environmental Division
Environmental Engineer

2014 – 2015

Thurber Engineering Limited

Oil Sand Tailings Group
Tailings Engineer

2009 – 2014

Carleton University

Department of Civil & Environmental Engineering
Research Engineer, Research Assistant & Teaching Assistant

2008 – 2009

SLR Consulting Limited

Contaminated Sites
Junior Environmental Engineer

SELECTED LIST OF PROJECTS

Phase I & II Environmental Site Assessments – NRC, Kingston
Remediation – National Capital Region, Saskatchewan
Multi-lift and dry-stacking pilot programs – Northern Alberta
Polymer amended oil sand tailings – Northern Alberta
Hydraulic cut-off wall – Allen, Saskatchewan
Cemented paste backfill systems – Northern Ontario

Geotechnical
Engineering

Environmental
Engineering

Hydrogeology

Geological
Engineering

Materials Testing

Building Science

Archaeological
Services

POSITION

Associate and Supervisor of the Environmental Division
Senior Environmental/Geotechnical Engineer

EDUCATION

Queen's University, B.A.Sc.Eng, 1991
Geotechnical / Geological Engineering

MEMBERSHIPS

Ottawa Geotechnical Group
Professional Engineers of Ontario

EXPERIENCE

1991 to Present

Paterson Group Inc.

Associate and Senior Environmental/Geotechnical Engineer
Environmental and Geotechnical Division
Supervisor of the Environmental Division

SELECT LIST OF PROJECTS

Mary River Exploration Mine Site - Northern Baffin Island
Agricultural Supply Facilities - Eastern Ontario
Laboratory Facility – Edmonton (Alberta)
Ottawa International Airport - Contaminant Migration Study - Ottawa
Richmond Road Reconstruction - Ottawa
Billings Hurdman Interconnect - Ottawa
Bank Street Reconstruction - Ottawa
Environmental Review – Various Laboratories across Canada - CFIA
Dwyer Hill Training Centre – Ottawa
Nortel Networks Environmental Monitoring - Carling Campus – Ottawa
Remediation Program - Block D Lands – Kingston
Investigation of former landfill sites – City of Ottawa
Record of Site Condition for Railway Lands – North Bay
Commercial Properties – Guelph and Brampton
Brownfields Remediation – Alcan Site - Kingston
Montreal Road Reconstruction - Ottawa
Appleford Street Residential Development - Ottawa
Remediation Program - Ottawa Train Yards
Remediation Program - Bayshore and Heron Gate
Gladstone Avenue Reconstruction – Ottawa
Somerset Avenue West Reconstruction - Ottawa