



Phase One Environmental Site Assessment

23-29 Russell Avenue
Ottawa, Ontario

Prepared for:

Smart Living Properties

226 Argyle Avenue
Ottawa, ON K2P 1B9

September 17, 2021

Pinchin File: 297563



Issued To: Smart Living Properties
Issued On: September 17, 2021
Pinchin File: 297563
Issuing Office: Kanata, ON

Author:

Kurt Frommann, B.A., EMAPG
Project Manager
613.592.3387
kfrommann@pinchin.com



Reviewer:

Scott Mather, P.Eng., QP_{ESA}
Director, Eastern Ontario
613.592.3387
smather@pinchin.com

Reviewer:

Larry Backman, B.Sc.S.
Executive Vice President, National Accounts
613.592.3387
lbackman@pinchin.com



TABLE OF CONTENTS

1.0	EXECUTIVE SUMMARY	1
2.0	INTRODUCTION.....	3
2.1	Phase One Property Information	4
3.0	SCOPE OF INVESTIGATION.....	4
4.0	RECORDS REVIEW	5
4.1	General	5
4.1.1	Phase One Study Area Determination.....	6
4.1.2	First Developed Use Determination	6
4.1.3	Fire Insurance Plans	6
4.1.4	Environmental Reports	7
4.2	Environmental Source Information	7
4.2.1	Environmental Database Search – ERIS.....	7
4.2.1.1	National Pollutant Release Inventory	8
4.2.1.2	Ontario Inventory of PCB Storage Sites	8
4.2.1.3	National PCB Inventory	8
4.2.1.4	Certificates of Approval.....	8
4.2.1.5	Environmental Compliance Approvals, Permits To Take Water and Certificates of Property Use.....	9
4.2.1.6	Inventory of Coal Gasification Plants.....	9
4.2.1.7	Environmental Incidents, Orders, Offences and Spills	9
4.2.1.8	Waste Management Records	10
4.2.1.9	Fuel Storage Tanks	11
4.2.1.10	Notices and Instruments	11
4.2.1.11	Areas of Natural Significance	11
4.2.1.12	Landfill Information	12
4.2.2	Ministry of the Environment, Conservation and Parks Freedom of Information Search.....	12
4.2.3	Technical Standards and Safety Authority Search	12
4.2.4	Property Underwriters’ Reports and Plans	13
4.2.5	City Directories.....	13
4.3	Physical Setting Sources	13
4.3.1	Aerial Photographs	13
4.3.2	Topography, Hydrology and Geology	14
4.3.3	Fill Materials.....	15
4.3.4	Water Bodies, Areas of Natural Significance and Groundwater Information.....	15
4.3.5	Well Records.....	15
4.4	Site Operating Records	15
5.0	INTERVIEWS.....	16
6.0	SITE RECONNAISSANCE	16
6.1	General Requirements	16
6.2	Specific Observations at Phase One Property	17
6.2.1	Description of Buildings and Structures	17
6.2.2	Description of Below-Ground Structures	17
6.2.3	Description of Tanks	17
6.2.4	Potable and Non-Potable Water Sources.....	17
6.2.5	Description and Location of Underground Utilities.....	18



6.2.6	<i>Details of Heating System</i>	18
6.2.7	<i>Details of Cooling System</i>	18
6.2.8	<i>Details of Drains, Pits and Sumps</i>	18
6.2.9	<i>Unidentified Substances within Buildings and Structures</i>	18
6.2.10	<i>Details of Staining and Corrosion</i>	18
6.2.11	<i>Details of On-Site Wells</i>	18
6.2.12	<i>Details of Sewage Works</i>	19
6.2.13	<i>Details of Ground Cover</i>	19
6.2.14	<i>Details of Current or Former Railways</i>	19
6.2.15	<i>Areas of Stained Soil, Vegetation and Pavement</i>	19
6.2.16	<i>Areas of Stressed Vegetation</i>	19
6.2.17	<i>Areas of Fill and Debris Materials</i>	19
6.2.18	<i>Potentially Contaminating Activities</i>	19
6.2.19	<i>Unidentified Substances Outside Buildings and Structures</i>	19
6.2.20	<i>Surrounding Land Uses</i>	20
6.3	Enhanced Investigation Property	21
6.4	Written Description of Investigation	21
6.4.1	<i>Phase One Property</i>	21
6.4.2	<i>Phase One Study Area Outside of Phase One Property</i>	22
7.0	REVIEW AND EVALUATION OF INFORMATION	23
7.1	Current and Past Uses	23
7.2	Potentially Contaminating Activities	23
7.3	Areas of Potential Environmental Concern	23
7.4	Phase One Conceptual Site Model	23
8.0	CONCLUSIONS	25
8.1	Signatures	26
8.2	Terms and Limitations	26
9.0	REFERENCES	27
10.0	APPENDICES	1



APPENDICES

APPENDIX A	Figures
APPENDIX B	Photographs
APPENDIX C	Opta Records
APPENDIX D	ERIS Report
APPENDIX E	MECP FOI Search Request
APPENDIX F	TSSA Archival Search Requests
APPENDIX G	Maps

FIGURES

Figure 1	Key Map
Figure 2	Phase One Study Area
Figure 3	Potentially Contaminating Activities



1.0 EXECUTIVE SUMMARY

Pinchin Ltd. (Pinchin) was retained by Smart Living Properties (Client) to complete a Phase One Environmental Site Assessment (Phase One ESA) of the property located at 23-29 Russell Avenue in Ottawa, Ontario (hereafter referred to as the Site or Phase One Property). The Phase One Property is presently developed with a three-storey multi-tenant residential building (Site Building).

Pinchin conducted this Phase One ESA in accordance with Part VII and Schedule D of the Province of Ontario's *Environmental Protection Act R.S.O. 1990, c. E.19* and *Ontario Regulation 153/04: Records of Site Condition – Part XV.1 of the Act*, and last amended by Ontario Regulation 274/20 on July 1, 2020 (O. Reg. 153/04). The purpose of the Phase One ESA was to assess the potential presence of environmental impacts at the Phase One Property due to activities at and near the Phase One Property.

This Phase One ESA was conducted at the request of the Client for the purpose of filing a Site Plan Approval with the City of Ottawa.

The scope of work for this Phase One ESA was consistent with O. Reg. 153/04 and was comprised of the following:

- **A Records Review:** Reviewed available current and historical information sources pertaining to the Phase One Property and Phase One Study Area including the use of, but not limited to, aerial photographs, Fire Insurance Plans (FIPs) and a regulatory database search. Regulatory agencies were also contacted to identify if any records of environmental non-compliance or other information associated with the environmental condition of the Phase One Property exists, including searches of Ministry of the Environment, Conservation and Parks (MECP) and Technical Standards and Safety Authority (TSSA) records;
- **Interviews:** Conducted interviews with a Site Representative (see Section 5.0) to determine if any current or historical operations have caused a concern with respect to the environmental condition of the Phase One Property and the surrounding properties within the Phase One Study Area;
- **Site Reconnaissance:** Completed a visual assessment of the Phase One Property and the surrounding properties within the Phase One Study Area (from publicly-accessible areas) including any associated buildings and/or facilities for the purpose of identifying the presence of potentially contaminating activities (PCAs);



- Evaluation: Evaluated the information gathered from the records review, interviews and Site reconnaissance;
- Reporting: Prepared a Phase One ESA report; and
- Submission: Submitted the Phase One ESA report to the Client.

The Phase One Property is situated at the municipal addresses of 23-29 Russell Avenue, which is currently owned by Mr. Peter Lewis. The Phase One Property is located on the east side of Russell Avenue, approximately 70 metres southeast of Laurier Avenue East.

To the best of Pinchin's knowledge, the Phase One Property consisted of vacant undeveloped land until the construction of the Site Building in approximately 1906. Since construction of the Site Building, the Phase One Property has been utilized solely for residential purposes.

It is Pinchin's opinion that the date of the first developed use of the Phase One Property is 1906, with the construction of the Site Building on the Phase One Property. The date of the first developed use of the Phase One Property was determined through a review of aerial photographs, FIPs and an interview with the Site Representative. No other historical records were available to Pinchin that provided information for determining the date of first developed use of the Phase One Property.

No PCAs were identified at the Phase One Property. One PCA was identified within the Phase One Study Area (i.e., an off-Site pad-mounted oil-cooled transformer located at 312 Laurier Avenue East); however, based on the observations made during Pinchin's Site reconnaissance, the lack of spills reported at this property by Environmental Risk Information Services, as well as the fact that any maintenance/environmental issues related to the transformer would be the responsibility of Hydro Ottawa, it is Pinchin's opinion that this PCA does not represent an area of potential environmental concern for the Phase One Property. Based on these findings, nothing was identified that is likely to have resulted in impacts to the soil and/or groundwater at the Phase One Property and would require the completion of a Phase Two ESA. As such, it is Pinchin's opinion that the Phase One Property is suitable for the purpose of filing a Site Plan Approval with the City of Ottawa based only on the completion of this Phase One ESA report.



This Executive Summary is subject to the same standard limitations as contained in the report and must be read in conjunction with the entire report.

This report has been issued without having received responses from the MECP regarding Pinchin's Freedom of Information request, as well as the TSSA regarding Pinchin's archival search requests. Once responses from these regulatory bodies is received, the information will be reviewed by Pinchin and, if there is any information that represents a potential issue of environmental concern, a copy of the response will be forwarded to the Client under separate cover. Our conclusions and recommendations may be amended based on this information.

In Pinchin's completion of this work, historical City Directories were not available for review due to temporary closures of government information sources. This represents a potential data gap in the historical documentation review process, however; Pinchin has endeavored to provide our very best opinion to meet the Client's current needs.

2.0 INTRODUCTION

A Phase One ESA is defined as a systematic qualitative process to determine whether a particular property is, or may be subject to, actual or potential contamination. Under the Province of Ontario's *Environmental Protection Act R.S.O. 1990, c. E.19* (EPA) and *Ontario Regulation 153/04: Records of Site Condition – Part XV.1 of the Act*, and last amended by Ontario Regulation 274/20 on July 1, 2020 (O. Reg. 153/04), the purpose of a Phase One ESA is two-fold:

- To obtain and review records that relate to the Phase One Property, and to the current and past uses of and activities at or affecting the Phase One Property, in order to determine if an area of potential environmental concern (APEC) exists and to interpret any APEC; and
- To obtain and review records that relate to properties in the Phase One Study Area, other than the Phase One Property, in order to determine if a potentially contaminating activity (PCA) exists and interpret whether any such PCA results in an APEC at the Phase One Property.

This Phase One ESA was conducted at the request of the Client for the purpose of filing a Site Plan Approval with the City of Ottawa.

A Phase One ESA does not include sampling or testing of environmental media or building materials. The study period for this assessment was during August and September 2021, which included the records review, Site reconnaissance, interviews and reporting.



2.1 Phase One Property Information

The Phase One Property is situated at the municipal addresses of 23-29 Russell Avenue, Ottawa, Ontario, which is currently owned by Mr. Peter Lewis. The Phase One Property is located on the east side of Russell Avenue, approximately 70 metres (m) southeast of Laurier Avenue East, as shown on Figure 1 (all Figures are provided in Appendix A and all appendices are provided in Section 10.0). A plan showing the Phase One Study Area for which this Phase One ESA applies to is outlined on Figure 2. PCAs identified within the Phase One Study Area are depicted on Figure 3. Photographs of the Phase One Property and surrounding properties are presented in Appendix B.

Pertinent details of the Phase One Property are provided in the following table:

Detail	Source / Reference	Information
Legal Description	N/A (legal land survey currently being prepared by Client)	N/A
Municipal Address	Client	23-29 Russell Avenue Ottawa, ON K1N 7W9
Parcel Identification Number (PIN)	N/A (legal land survey currently being prepared by Client)	N/A
Current Owner	Client	Mr. Peter Lewis
Current Occupants	Various residential tenants	Multi-tenant residential building
Client	Authorization to Proceed, Limitation of Liability & Terms of Engagement Form	Smart Living Properties
Client Contact Information	Authorization to Proceed, Limitation of Liability & Terms of Engagement Form	Jeremy Silburt c/o Smart Living Properties 226 Argyle Avenue Ottawa, ON K2P 1B9
Site Area	Site Representative	0.05 hectares (0.14 acres)

3.0 SCOPE OF INVESTIGATION

Pinchin conducted this Phase One ESA in accordance with O. Reg. 153/04, in particular Part VII and Schedule D of O. Reg. 153/04. The Phase One ESA scope of work was comprised of the following:

- A Records Review: Pinchin reviewed available current and historical information sources pertaining to the Phase One Property and surrounding properties within the Phase One Study Area including the use of, but not limited to, aerial photographs, Fire Insurance Plans (FIPs) and a regulatory database search. Regulatory agencies were also contacted to identify if any records of environmental non-compliance or other information associated



with the environmental condition of the Phase One Property exist, including the Ministry of the Environment, Conservation and Parks' (MECP's) Freedom of Information (FOI) and Protection of Privacy Office and the Technical Standards and Safety Authority (TSSA);

- Interviews: Pinchin conducted interviews with a Site Representative (see Section 5.0) to determine if any current or historical operations have caused a concern with respect to the environmental condition of the Phase One Property and the surrounding properties within the Phase One Study Area;
- Site Reconnaissance: Pinchin completed a visual assessment of the Phase One Property and the surrounding properties within the Phase One Study Area (from publicly-accessible areas) including any associated buildings and/or facilities for the purpose of identifying the presence of significant environmental contaminants of concern;
- Evaluation: Pinchin evaluated the information gathered from the records review, interviews and Site reconnaissance;
- Reporting: Pinchin prepared a Phase One ESA report summarizing the findings of the Phase One ESA; and
- Submission: Pinchin submitted the Phase One ESA report to the Client.

4.0 RECORDS REVIEW

4.1 General

Identified on-Site and off-Site PCAs described in this and subsequent report Sections are depicted on Figure 3.

A Phase One ESA does not include sampling or testing of environmental media or building materials. The study period for this assessment was during August and September 2021, which included the records review, Site reconnaissance, interviews and reporting. A Site reconnaissance was completed on August 20, 2021, by a Pinchin representative under the direct supervision of a Qualified Person (QP). During the Site reconnaissance, Pinchin accessed all areas of the Phase One Property, with the exception of the roof of the Site Building. In addition, it should be noted that due to the pandemic measures in place at the time of the Site reconnaissance as specified by the Provincial and Federal governments, the Site reconnaissance was limited to common areas, mechanical rooms, a vacant residential unit and public spaces. Pinchin did not access any areas within the surrounding Phase One Study Area with the exception of publicly-accessible roads and sidewalks. Select photographs taken during the Site



reconnaissance of the Phase One Property and the surrounding properties within the Phase One Study Area are presented in Appendix B.

4.1.1 Phase One Study Area Determination

Based on a review of the available historical information and observations made during the Site reconnaissance for the properties greater than 250 m, but less than 1 kilometre (km), from the Phase One Property boundary, Pinchin did not note or observe any significant potentially contaminating properties that should be included as part of this assessment (e.g., landfills, large industrial manufacturers, etc.). As such, the Phase One Study Area consisted of the Phase One Property, as well as all properties situated wholly, or partly, within 250 m from the nearest point of a boundary of the Phase One Property, in order to meet the minimum requirements set forth in O. Reg. 153/04.

4.1.2 First Developed Use Determination

The first developed land use of the Phase One Property is defined by O. Reg. 153/04 to be the earlier of:

- The first use of a Phase One Property in or after 1875 that resulted in the development of a building or structure on the property; and
- The first potentially contaminating use or activity on the Phase One Property.

A review of the aerial photographs, FIPs, as well as an interview with the Site Representative, indicated that the Phase One Property was developed with the present-day Site Building in 1906. The 1922 FIP and 1928 aerial photographs indicated that the Site Building was present on the Phase One Property. In addition, the Site Representative indicated that the Site Building was constructed in 1906. Therefore, it is Pinchin's opinion that the first developed use of the Phase One Property was in approximately 1906.

The date of the first developed use of the Phase One Property was determined through a review of an aerial photographs, as well as an interview with the Site Representative. No other information was reviewed by Pinchin during the records review or obtained during the Site reconnaissance or interviews which would have resulted in a different interpretation of the date of first developed use of the Phase One Property.

4.1.3 Fire Insurance Plans

Pinchin contacted Opta Information Intelligence (Opta) to obtain copies of FIPs related to the Phase One Property and the Phase One Study Area. Opta provided Pinchin with copies of the following:

- FIPs dated 1922, 1948 and 1958 for the area including the Phase One Property.

The Opta response and copies of the FIPs are provided in Appendix C.



The following general information, including details regarding the Phase One Property, was noted in the 1922, 1948 and 1958 FIPs:

- The FIP covered the Phase One Property and the surrounding properties within a 250 m radius of the Phase One Property;
- The Phase One Property possessed the municipal addresses of 25 and 29 Russell Avenue;
- The Phase One Property appeared to be developed with a building of similar size and configuration to the present-day Site Building, and was utilized for residential purposes;
- The adjacent and surrounding properties consisted of residential, community, institutional and commercial land uses; and
- No operations or items of potential environmental concern were identified within the Phase One Study Area.

Based on Pinchin's review of the information provided in the above-noted FIPs, no PCAs were identified within the Phase One Study Area.

4.1.4 Environmental Reports

The Client informed Pinchin that no previous environmental reports were available for the Phase One Property or for adjacent properties within the Phase One Study Area. None of the other information sources accessed by Pinchin had previous environmental reports for the Phase One Property or adjacent properties within the Phase One Study Area available for review.

4.2 Environmental Source Information

Pinchin reviewed the historical use of the Phase One Study Area through the use of publicly available archives and databases, as well as through requesting information from regulatory agencies. The following provides a summary of the information obtained from these sources.

4.2.1 Environmental Database Search – ERIS

Pinchin retained Environmental Risk Information Services (ERIS) to search all available federal, provincial and private source databases for information pertaining to the Phase One Study Area. Unless otherwise noted, information obtained from the ERIS database search was reviewed for the entire Phase One Study Area. A copy of the ERIS report is provided in Appendix D and the results of the database search are described in the following sections.



4.2.1.1 National Pollutant Release Inventory

ERIS completed a search of the federal databases for information regarding the National Pollutant Release Inventory (NPRI). This database contains comprehensive national data regarding releases to air, water, or land, and waste transfers for recycling for more than 300 listed substances and identifies information such as the approximate location, type and quantity of contaminant, date of release, and media impacted.

Pinchin reviewed the ERIS report for NPRI information and found no records regarding the Phase One Property. One record was identified for another property located within the Phase One Study Area (i.e., 271 Laurier Avenue East); however, the record pertained to atmospheric releases and not to releases to soil and water. As such, it is Pinchin's opinion that the potential for the documented releases to be an environmental concern for the Phase One Property is considered low and are not PCAs for the purpose of this Phase One ESA.

4.2.1.2 Ontario Inventory of PCB Storage Sites

The MECP's Waste Management Branch maintains an inventory of PCB storage sites within Ontario. Ontario Regulation 11/82 and Ontario Regulation 347 (O. Reg. 347), made under the EPA, require the registration of inactive PCB storage equipment and/or disposal sites of PCB waste with the MECP. This database contains information on waste quantities, major and minor sites storing liquid or solid waste, and a waste storage inventory.

ERIS completed a search of the Ontario Inventory of PCB Storage Sites for information regarding PCB storage and found no information regarding the Phase One Study Area.

4.2.1.3 National PCB Inventory

Environment Canada maintains an inventory of in-use PCB-containing equipment at federal, provincial and private facilities in Canada, and of out-of-service PCB-containing equipment and PCB waste owned by the federal government or federally regulated industries.

ERIS completed a search of the National PCB Inventory and found no information regarding the Phase One Study Area.

4.2.1.4 Certificates of Approval

ERIS completed a search of the MECP database for information regarding Certificates of Approval (Cs-of-A). The MECP maintains a database of approved Cs-of-A for Air & Noise, Industrial Sewage, Municipal & Private Sewage, Waste Management Systems and Renewable Energy Approvals. Prior to November 1, 2011, the MECP mandated that any facility that released emissions to the atmosphere, discharged contaminants to ground or surface water, provided potable water supplies, or stored, transported or



disposed of waste, must have a C-of-A before it could operate lawfully. The MECP no longer issues Cs-of-A, which were replaced by Environmental Compliance Approvals (ECAs) as of November 1, 2011. O. Reg. 153/04 indicates that information from the C-of-A database only needs to be obtained for the Phase One Property and properties adjacent to the Phase One Property.

The ERIS search of the C-of-A database identified no information regarding Cs-of-A for the Phase One Property or for properties adjacent to the Phase One Property.

4.2.1.5 Environmental Compliance Approvals, Permits To Take Water and Certificates of Property Use

ERIS completed a search of the MECP database for information regarding ECAs, permits including Permits To Take Water (PTTWs) and Certificates of Property Use (CPUs). O. Reg. 153/04 indicates that information from these databases only needs to be obtained for the Phase One Property and properties adjacent to the Phase One Property. Details regarding these databases are provided in the ERIS report in Appendix D.

The ERIS search of the ECA, PTTW and CPU databases identified no records for the Phase One Property or properties adjacent to the Phase One Property.

4.2.1.6 Inventory of Coal Gasification Plants

ERIS searched the following publications prepared for the MECP by Intera Technologies Inc. for information on industrial sites that formerly operated as coal gasification plants, and industrial sites that produced or used coal tar and other related tars:

- “*Inventory of Coal Gasification Plant Waste Sites in Ontario*”, dated April 1987; and
- “*Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario*”, dated November 1988.

The ERIS search yielded no records of former coal gasification plants or the production or use of coal tar and related tars within the Phase One Study Area.

4.2.1.7 Environmental Incidents, Orders, Offences and Spills

ERIS completed a search of the various provincial and federal databases for information regarding environmental incidents, orders, offences and spills. O. Reg. 153/04 indicates that information from these databases only needs to be obtained for the Phase One Property and properties adjacent to the Phase One Property. Details regarding the searched databases are provided in the ERIS report in Appendix D.

The ERIS database search of records of environmental incidents, orders, offences or spills indicated that no records were identified for the Phase One Property or properties adjacent to the Phase One Property.



4.2.1.8 Waste Management Records

Waste Generators

ERIS completed a search of the O. Reg. 347 Waste Generators database for information regarding waste generation. O. Reg. 347 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. The database search results provide a summary of available waste generation information for the registered sites for all years from 1986 to the present.

O. Reg. 153/04 indicates that information from the Waste Generator database only needs to be obtained for the Phase One Property and properties adjacent to the Phase One Property. However, in addition to the Phase One Property and adjacent off-Site properties, Pinchin reviewed the database for waste generators within 50 m transgradient and 100 m upgradient of the Phase One Property with respect to the inferred groundwater flow direction. The area reviewed will be referred to as the Waste Generator Database Review Area.

The ERIS search of the O. Reg. 347 Waste Generators database found no information regarding the Phase One Property or properties within the Waste Generator Database Review Area.

Waste Receivers

ERIS completed a search of the O. Reg. 347 Waste Receivers database for information regarding waste receivers. O. Reg. 347 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 contains 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.

O. Reg. 153/04 indicates that information from the Waste Receivers database only needs to be obtained for the Phase One Property and properties adjacent to the Phase One Property. However, in addition to the Phase One Property and adjacent off-Site properties, Pinchin reviewed the database for waste receivers within 50 m transgradient and 100 m upgradient of the Phase One Property with respect to the inferred groundwater flow direction. The area reviewed will be referred to as the Waste Receivers Database Review Area.



The ERIS search of the O. Reg. 347 Waste Receivers database found no information regarding the Waste Receivers Database Review Area.

4.2.1.9 Fuel Storage Tanks

ERIS completed a search of various private, provincial and federal databases for information regarding chemical storage tanks, as well as private and retail fuel storage tanks. Details regarding the searched databases are provided in the ERIS report in Appendix D.

The ERIS search of the chemical and fuel storage tank databases found no information regarding the Phase One Property or properties within the Phase One Study Area.

4.2.1.10 Notices and Instruments

ERIS completed a search of the provincial Environmental Registry for records pertaining to proposals, decisions, and exceptions regarding policies, Acts, instruments, or regulations that could significantly affect the environment. ERIS also searched the Record of Site Condition (RSC) database for filed RSCs.

The ERIS database search of the Environmental Registry and Record of Site Condition database indicated the following for the Phase One Study Area:

- No records were found in the Environmental Registry and RSC databases for the Phase One Property; and
- No records were found in the Environmental Registry and RSC databases for other properties within the Phase One Study Area, except for the following:
 - One database search result, consisting of an ECA for sewage at 368 Chapel Street, was identified. However, the search result was not related to potential impacts on groundwater quality, which is considered the primary pathway of concern for contaminant migration to the Phase One Property. As such, there is a low potential for this database search result to be indicative of discharges to the environment that represent an environmental concern to the Phase One Property and the likelihood of potential impacts to the Phase One Property is considered low.

4.2.1.11 Areas of Natural Significance

ERIS reviewed available databases and records to assess whether any parks, wetlands, conservation areas, or other areas of natural significance, are located within the Phase One Study Area. The Area of Natural & Scientific Interest map is included in Appendix G. In addition, Pinchin reviewed information provided on the Ministry of Natural Resources and Forestry's (MNRF) Natural Heritage Information



Centre (NHIC) website. No areas of natural significance were identified within the Phase One Study Area from these information sources.

4.2.1.12 Landfill Information

ERIS reviewed available private and provincial databases for records of any current or inactive landfills and waste disposal sites within the Phase One Study Area. Details regarding the searched databases are provided in the ERIS report in Appendix D.

The ERIS database search of the landfill and waste disposal sites databases indicated that no landfill or waste disposal sites have been present within the Phase One Study Area.

4.2.2 Ministry of the Environment, Conservation and Parks Freedom of Information Search

The MECP FOI and Protection of Privacy Office in Toronto, Ontario was previously contacted to determine if records exist for environmental matters such as orders, spills, previous investigations, prosecutions, registered PCB waste storage sites, waste generators, waste receivers, Cs-of-A and ECAs associated with the Phase One Property.

The search was requested on August 25, 2021. At the time of writing this report, no response had been received from the MECP. When a formal response is received, it will be reviewed by Pinchin. If there is any information that represents a potential issue of environmental concern, a copy of the response will be forwarded to the Client under separate cover. Our conclusions and recommendations may be amended based on this information. A copy of the MECP request is provided in Appendix E.

4.2.3 Technical Standards and Safety Authority Search

The TSSA is the regulatory body that governs the safe handling and storage of fuel in Ontario. All storage of gasoline, diesel and fuel oil is subject to the Technical Standards and Safety Act. The Technical Standards and Safety Act and its relevant documents and regulations (e.g., *Liquid Fuels Handling Code*, *Ontario Regulation 213/01 – Fuel Oil*, *Ontario Regulation 217/01 – Liquid Fuels*) require that all fuel storage devices such as aboveground storage tanks (ASTs) and underground storage tanks (USTs) be registered with the TSSA.

Pinchin filed archival searches with the TSSA to determine whether any ASTs or USTs are, or were, registered for the Phase One Property, and to determine whether any records of regulatory non-compliance exist. At the time of writing this report, no response had been received from the TSSA. When a formal response is received, it will be reviewed by Pinchin. If there is any information that represents a potential issue of environmental concern, a copy of the response will be forwarded to the Client under separate cover. Our conclusions and recommendations may be amended based on this information. Copies of the TSSA requests are provided in Appendix F.



4.2.4 *Property Underwriters' Reports and Plans*

Property underwriters' reports (PURs) provide detailed information on a site-specific basis, including descriptions of building construction, heating sources, production processes, and the presence of any hazardous chemicals or materials which may have been historically stored on the Phase One Property. They also indicate the presence of environmental hazards such as electrical rooms, transformers, boilers and storage tanks. Information provided on Property Underwriters' Plans (PUPs) includes the location, capacity, and contents of ASTs, USTs, chemical storage and other forms of environmental hazards.

Pinchin contacted Opta to obtain copies of PURs and PUPs related to the Phase One Property. Responses were received from Opta, dated August 24 and 27, 2021, which indicated that no PURs or PUPs for the Phase One Property were available. The Opta responses are provided in Appendix C.

4.2.5 *City Directories*

At the time of writing this report, and due to temporary closures of Public Libraries and the Archives of Canada, City Directories were not available for Pinchin's review. This represents a potential data gap in the historical documentation review process.

4.3 Physical Setting Sources

4.3.1 *Aerial Photographs*

Pinchin reviewed aerial photographs of the Phase One Property and surrounding properties within the Phase One Study Area to assess the potential for historical PCAs. Digital aerial photographs dated 1928, 1958, 1965, 1976, 1991, 2002, 2007, 2011 and 2015 were reviewed on the City of Ottawa e-map website (<http://maps.ottawa.ca/geoOttawa/>) by Pinchin. In addition, Pinchin obtained digital aerial photographs dated 1938, 1945 and 1987 through ERIS. The 1928 aerial photograph was the earliest available aerial photograph of the Phase One Study Area.

Efforts were made by Pinchin to obtain aerial photographs that:

- Illustrated the period between initial development of the Phase One Property to the present;
- Identified buildings and structures present on the Phase One Property since initial development;
- Identified PCAs within the Phase One Study Area; and
- Identified APECs on the Phase One Property.

It should be noted that accurate details could not be determined from some of the aerial photographs due to the large reference scale and the low resolution of the photographs.



A summary of information obtained with respect to the Phase One Property from a review of the available aerial photography is provided in the following table:

Year of Photograph	Phase One Property
1928-2015.	A building that was similar in size and configuration to the present-day Site Building was evident on the Phase One Property.

Based on the aerial photographs reviewed for the Phase One Property and the surrounding area, it appears that the Phase One Property was first developed prior to 1928.

The aerial photograph review for the Phase One Study Area did not identify any PCAs within the Phase One Study Area.

4.3.2 Topography, Hydrology and Geology

The elevation of the Phase One Property, based on information obtained from the Ontario Base Map series, is approximately 70 m above mean sea level (mamsl). The general topography in the local and surrounding area gradually slopes towards the east-northeast, whereby the Phase One Property is at a similar elevation to the adjacent/surrounding properties to the northwest and southwest, the surrounding properties to the southeast are approximately 0.50-1.0 m lower in elevation than the Phase One Property and the properties to the northeast are approximately 0.50-1.0 m lower in elevation than the Phase One Property. No bedrock outcrops were observed on-Site or in the surrounding area.

A review of the available physiographical data indicates that the Phase One Property and the surrounding properties located within the Phase One Study Area are located within alluvial deposits consisting of stratified gravel, sand, silt and clay. Bedrock is expected to consist of sedimentary rocks consisting of limestone, dolomite, shale, argillite, sandstone, quartzite, and/or grit. The topography is considered to be mainly flat to rolling low local relief with dry surface water drainage conditions.

Based on general hydrogeological principles and Pinchin's familiarity with subsurface conditions at and near the Phase One Property and the surrounding properties within the Phase One Study Area, the unconfined groundwater beneath the Phase One Property is expected to flow in a north-easterly direction. The nearest surface water body is the Rideau River, located approximately 510 m northeast of the Phase One Property at an elevation of approximately 55 mamsl.

Copies of pertinent maps, illustrating local topographical, hydrogeological and drainage features are provided in Appendix G.



4.3.3 Fill Materials

The historical records review provided no information regarding the presence of fill material at the Phase One Property.

Although the Phase One ESA did not identify any historical or current fill material at the Phase One Property, potential future development plans should incorporate the appropriate procedures for the characterization of soils that may require off-Site disposal. Further assessment and/or costs may be incurred through re-development of the Phase One Property and/or change in land use scenarios.

4.3.4 Water Bodies, Areas of Natural Significance and Groundwater Information

The nearest surface water body is the Rideau River, located approximately 510 m northeast of the Phase One Property at an elevation of approximately 55 mamsl.

A review of the Area of Natural & Scientific Interest map prepared by ERIS (see Appendix D) and information provided on the MNRF's NHIC website did not identify any provincial parks, wetlands, conservation areas, or other areas of natural significance, within the Phase One Study Area.

A review of the City of Ottawa's GeoOttawa website indicated that the Phase One Study Area is not located within a well head protection area for the protection of groundwater.

The records review did not identify the presence of wells within the Phase One Study Area that supply water for human consumption or for agricultural purposes. Details regarding these wells are provided in the ERIS report in Appendix D.

4.3.5 Well Records

A search of the Water Well Information System database by ERIS did not identify any water well records for the Phase One Property. The Water Well Information System database search identified three water well records within the Phase One Study Area outside of the Phase One Property. Details regarding these off-Site wells, including stratigraphic information, depth to bedrock and/or depth to the water table, are provided in the ERIS report included in Appendix D.

4.4 Site Operating Records

The Phase One Property is not an Enhanced Investigation Property (see Section 6.3). As such, Site operating records were not reviewed as part of the Phase One ESA.



5.0 INTERVIEWS

Pinchin interviewed an individual knowledgeable of the Phase One Property and its history to obtain or confirm information regarding the environmental condition of the Phase One Property. The following individual provided information regarding the history of the Phase One Property and the surrounding properties within the Phase One Study Area to the best of their knowledge:

Person Interviewed	Relationship to Phase One Property	Date and Place of Interview	Interview Method
Mr. Peter Lewis	Owner of the Phase One Property since 2003	August 20, 2021 (Phase One Property)	In-person interview during Site reconnaissance.

Mr. Lewis was chosen to be interviewed given that he is most familiar with the recent operational history of the Phase One Property. This individual is hereafter referred to as the “Site Representative”, and accompanied the Pinchin representative (Mr. Kurt Frommann) during the Site reconnaissance.

Pinchin compared the information obtained from the interviews with information obtained from the historical records. The information provided by the interviewee was corroborated by the available historical records. As such, Pinchin has no concerns regarding the validity of the information provided by the individual interviewed for the Phase One ESA.

With respect to PCAs and APECs, no additional information was obtained from the interviews other than that documented elsewhere in this report.

6.0 SITE RECONNAISSANCE

6.1 General Requirements

A visual assessment of the Phase One Property and the surrounding properties within the Phase One Study Area was conducted for the purpose of identifying the presence of possible PCAs and associated APECs.

The Site reconnaissance was completed on August 20, 2021, by a Pinchin representative (i.e., Mr. Kurt Frommann), under the direct supervision of Pinchin’s QP overseeing this project. Mr. Frommann is an Environmental Project Manager with more than eight years of environmental consulting experience. Pinchin visited the Phase One Property and surrounding properties within the Phase One Study Area to document environmental conditions. During the Site reconnaissance, Pinchin viewed all accessible areas within the Phase One Property, and viewed publicly-accessible portions of the adjacent lands for the presence of actual or potential issues of environmental concern.



The Site reconnaissance was conducted between the hours of 11:00 AM and 1:00 PM. During the Site reconnaissance, the ground surface was dry and the weather was cloudy, and the ambient temperature was approximately 27° Celsius. The Phase One Property reconnaissance was conducted on foot and consisted of a full walk-through of the Phase One Property. There were no access restrictions for Pinchin for the Phase One Property, with the exception of the rooftop, which could not be accessed at the time of the Site reconnaissance. In addition, it should be noted that due to the pandemic measures in place at the time of the Site reconnaissance as specified by the Provincial and Federal governments, inspections of building interiors during the Site reconnaissance was limited to common areas, a vacant residential unit, mechanical rooms and public spaces. At the time of the Site reconnaissance, the Site Building on the Phase One Property was operating as a multi-tenant residential building. Further details regarding on-Site operations are provided throughout Section 6.2 of this report.

Photographs taken during the Site reconnaissance that illustrate the Phase One Property and Phase One Study Area are provided in Appendix B.

6.2 Specific Observations at Phase One Property

6.2.1 Description of Buildings and Structures

During the Site reconnaissance, Pinchin observed one building/structure on the Phase One Property (i.e., the Site Building, a three-storey multi-tenant residential building).

The portions of the Phase One Property outside of the Site Building presently consist of gravel parking areas on the northeast portion and grassed/landscaped areas.

6.2.2 Description of Below-Ground Structures

During the Site reconnaissance, Pinchin did not observe any current below-ground structures on the Phase One Property, with the exception of the single-level basement within the Site Building. The basement consists of a poured concrete structure. Various utilities (i.e., telephone, sanitary sewer, water and electricity) enter the Site Building along Russell Avenue.

6.2.3 Description of Tanks

During the Site reconnaissance, Pinchin did not observe any tanks on the Phase One Property for the purpose of either fuel dispensing or storage, or other unidentified substance storage.

6.2.4 Potable and Non-Potable Water Sources

During the Site reconnaissance, Pinchin did not observe potable or non-potable water sources at the Phase One Property. The Phase One Property is serviced by a municipal water supply via underground piping running into the Site Building from beneath Russell Avenue.



6.2.5 Description and Location of Underground Utilities

A number of underground utilities were observed on the Phase One Property, including natural gas, telephone and electrical lines, and municipal water, storm and sanitary sewer lines.

The natural gas, telephone, electrical, water and sanitary sewer services enter the Site Building via underground lines. Stormwater runs overland to percolate naturally through the soil or discharge into the municipal storm sewer system via catch basins along Russell Avenue.

6.2.6 Details of Heating System

During the Site reconnaissance, Pinchin observed a natural gas-fired boiler system within the basement level (within 23 Russell Avenue). No evidence of a former oil-fired heating system (i.e., vent/fill pipes, copper feed lines, etc.) were observed during Pinchin's Site reconnaissance.

6.2.7 Details of Cooling System

Cooling for select tenant spaces within the Site Building is provided by tenant-owned, window-mounted air conditioning units.

6.2.8 Details of Drains, Pits and Sumps

No pits or sumps were observed at the Phase One Property. Floor drains are located in the basement of the Site Building.

6.2.9 Unidentified Substances within Buildings and Structures

During the Site reconnaissance, Pinchin did not observe any unidentified substances or storage containers holding unidentified substances at the Phase One Property. Small volumes of various cleaning solutions were stored in their original containers in various locations throughout the Site Building. No bulk liquid storage was observed on-Site.

6.2.10 Details of Staining and Corrosion

During the Site reconnaissance, Pinchin did not observe any areas of staining or corrosion inside the Site Building.

6.2.11 Details of On-Site Wells

No water supply or groundwater monitoring wells were observed to be on or within the Phase One Property.



6.2.12 Details of Sewage Works

During the Site reconnaissance, Pinchin did not observe any sewage works or evidence of sewage disposal on the Phase One Property, with the exception of main sanitary sewer pipes that exit the Site Building and connect to the municipal sewer system.

6.2.13 Details of Ground Cover

During the Site reconnaissance, Pinchin visually inspected the Phase One Property ground cover. Any areas of the Phase One Property not covered by a structure are covered by gravel parking areas and grassed/landscaped areas.

6.2.14 Details of Current or Former Railways

No current or former railway infrastructure was observed on the Phase One Property.

6.2.15 Areas of Stained Soil, Vegetation and Pavement

During the Site reconnaissance, Pinchin did not observe any areas of stained soil, vegetation or pavement on the Phase One Property.

6.2.16 Areas of Stressed Vegetation

During the Site reconnaissance, Pinchin did not observe any areas of stressed vegetation on the Phase One Property.

6.2.17 Areas of Fill and Debris Materials

No obvious areas where fill material or debris have been placed or graded were observed by Pinchin at the Phase One Property.

Regrading and fill placement at the Phase One Property is inferred to have previously occurred during initial development activities to prepare the Site Building location, parking areas and access to the Phase One Property, and to establish drainage patterns. The quality of the fill material used on-Site is unknown.

6.2.18 Potentially Contaminating Activities

A PCA is defined by O. Reg. 153/04 as a “use or activity set out in Column A of Table 2 of Schedule D that is occurring or has occurred in a Phase One Study Area” including the Phase One Property.

Pinchin did not identify any current PCAs at the Phase One Property during the Site reconnaissance.

6.2.19 Unidentified Substances Outside Buildings and Structures

During the Site reconnaissance, Pinchin did not observe any unidentified substances or storage containers holding unidentified substances on the exterior of the Phase One Property.



6.2.20 Surrounding Land Uses

During the Site reconnaissance, Pinchin conducted a visual assessment of publicly-accessible portions of the Phase One Study Area for the presence of PCAs. The properties in the Phase One Study Area have various land uses, including parkland, residential, community, institutional and commercial. Land use types within the Phase One Study Area are presented on Figure 2.

The following table summarizes the land use on adjacent properties at the time of the Site reconnaissance:

Direction Relative to Phase One Property	Location Relative to Inferred Groundwater Flow Direction	Description of Property Use	Property Use	Potential Contribution to PCA and/or APEC
Northeast	Downgradient	Residential developments and institutional buildings, as well as associated roadways, to beyond 200 m from the Phase One Property.	Residential/Commercial	Land uses are not considered to represent PCAs.
Southeast	Transgradient	Residential developments and associated roadways to beyond 200 m from the Phase One Property.	Residential	Land use is not considered to represent a PCA.
Southwest	Upgradient	Residential developments and associated roadways to beyond 200 m from the Phase One Property.	Residential/Commercial	Land uses are not considered to represent PCAs.
Northwest	Transgradient	A community building (i.e., Amnesty International) followed by Laurier Avenue East and residential developments.	Residential/Institutional	Land uses are not considered to represent PCAs.

Pinchin observed the following PCA at the time of the Site reconnaissance within the rest of the Phase One Study Area:

- A pad-mounted oil-cooled transformer was observed at the adjacent property northwest of the Site, approximately 25 m from the Phase One Property.



6.3 Enhanced Investigation Property

O. Reg. 153/04 defines an “Enhanced Investigation Property” as a property that is being used or has been used, in whole or in part, in the following manner:

- For an industrial use or;
- For any of the following commercial uses:
 - As a garage;
 - As a bulk liquid dispensing facility, including a gasoline outlet; or
 - For the operation of dry cleaning equipment.

The findings of this Phase One ESA have not documented any of the above land uses as occurring at the Phase One Property, and the Phase One Property is therefore not an Enhanced Investigation Property.

6.4 Written Description of Investigation

The Phase One ESA completed by Pinchin included investigations of the Phase One Property and the Phase One Study Area outside of the Phase One Property pursuant to Sections 13 and 14 of Schedule D of O. Reg.153/04. The main objective of these investigations was to identify PCAs at the Phase One Property or within the Phase One Study Area outside of the Phase One Property that could have resulted in APECs at the Phase One Property.

6.4.1 Phase One Property

The investigation of the Phase One Property consisted of the following components:

- Review of available historical records, including (but not limited to) ERIS regulatory search, aerial photographs and well records;
- A Site reconnaissance completed on August 20, 2021, by Mr. Kurt Frommann of Pinchin that included an assessment of structures at the Phase One Property and the exterior of the Phase One Property;
- Interview with an individual knowledgeable of the history and operations at the Phase One Property; and
- Review of mapping provided by ERIS and information provided on-line by the MNR for the presence of areas of natural significance.

Pinchin’s investigation of the Phase One Property did not identify any PCAs.

No areas of natural significance were identified at the Phase One Property.



Pinchin's investigation did not identify the presence of wells at the Phase One Property that currently supply water for human consumption or for agricultural purposes.

6.4.2 Phase One Study Area Outside of Phase One Property

The investigation of the Phase One Study Area outside of the Phase One Property consisted of the following components:

- Review of available historical records, including (but not limited to) previous environmental reports, ERIS regulatory search and aerial photographs;
- Visual inspection of properties from publicly-accessible areas for evidence of PCAs and water bodies; and
- Review of mapping provided by ERIS and information provided on-line by the MNR for the presence of areas of natural significance.

Pinchin's investigation of the Phase One Study Area outside of the Phase One Property identified the following PCAs:

- PCA #1 (Item 55: Transformer Manufacturing, Processing and Use – A pad-mounted oil-cooled transformer is located at the adjacent property northwest of the Site, approximately 25 m from the Phase One Property). However, no evidence of leakage was observed during Pinchin's Site reconnaissance, and no spills were reported for this property within the ERIS report. In addition, any maintenance/environmental issues associated with the transformer would be the responsibility of Hydro Ottawa. As such, it is Pinchin's opinion that this off-Site PCA is unlikely to result in potential subsurface impacts at the Phase One Property and does represent an APEC for the Phase One Property.

No areas of natural significance were identified within the Phase One Study Area outside of the Phase One Property.

The records review did not identify the presence of wells within the Phase One Study Area that supply water for human consumption or for agricultural purposes.

Based on a cursory review of the properties greater than 250 m (i.e., outside of the Phase One Study Area), but less than 1 km, from the Phase One Study Area, Pinchin did not note or observe any significant contaminating properties that should be included as part of this assessment (i.e., landfills, large industrial manufacturers, etc.).

Plans identifying the locations of the on and off-Site PCAs for this Phase One ESA are provided on Figure 3.



7.0 REVIEW AND EVALUATION OF INFORMATION

7.1 Current and Past Uses

To the best of Pinchin's knowledge, the Phase One Property consisted of vacant undeveloped land until the construction of the Site Building in 1906. Since construction of the Site Building, the Phase One Property has been utilized solely for residential purposes.

It is Pinchin's opinion that the date of the first developed use of the Phase One Property is 1906, with the construction of the Site Building on the Phase One Property. The date of the first developed use of the Phase One Property was determined through a review of aerial photographs, FIPs, and an interview with the Site Representative. No other historical records were available to Pinchin that provided information for determining the date of first developed use of the Phase One Property.

7.2 Potentially Contaminating Activities

No PCAs were identified at the Phase One Property.

The following PCAs as defined by O. Reg. 153/04 were documented by Pinchin to have occurred within the Phase One Study Area outside of the Phase One Property:

- PCA #1 (Item 55: Transformer Manufacturing, Processing and Use – A pad-mounted oil-cooled transformer is located at the adjacent property northwest of the Site, approximately 25 m from the Phase One Property). However, no evidence of leakage was observed during Pinchin's Site reconnaissance, and no spills were reported for this property within the ERIS report. In addition, any maintenance/environmental issues associated with the transformer would be the responsibility of Hydro Ottawa. As such, it is Pinchin's opinion that this off-Site PCA is unlikely to result in potential subsurface impacts at the Phase One Property and does represent an APEC for the Phase One Property.

7.3 Areas of Potential Environmental Concern

No APECs were identified by Pinchin at the Phase One Property.

7.4 Phase One Conceptual Site Model

A conceptual site model (CSM) has been created to provide a summary of the findings of the Phase One ESA. The Phase One CSM is summarized in Figures 1 through Figure 3 which illustrate the following features within the Phase One Study Area, where present:

- Existing buildings and structures;
- Water bodies located in whole or in part within the Phase One Study Area;



- Areas of natural significance located in whole or in part within the Phase One Study Area;
- Drinking water wells located at the Phase One Property;
- Land use of adjacent properties;
- Roads within the Phase One Study Area;
- PCAs within the Phase One Study Area, including the locations of tanks; and
- APECs at the Phase One Property.

The following provides a narrative summary of the Phase One CSM:

- The Phase One Property is a rectangular-shaped parcel of land approximately 0.14 acres (0.05 hectares) in size, located on the east side of Russell Avenue, approximately 70 m southeast of Laurier Avenue East in the City of Ottawa. The Phase One Property is presently developed with a three-storey multi-tenant residential building (Site Building). The Phase One Property has been used for residential purposes since initial development in approximately 1906. There is no record of industrial use or of a commercial use (e.g., garage, bulk liquid dispensing facility or dry cleaner) that would require classifying the Phase One Property as an enhanced investigation property;
- The nearest surface water body is the Rideau River, located approximately 510 m northeast of the Phase One Property at an elevation of approximately 55 mamsl;
- No areas of natural significance were identified within the Phase One Study Area;
- No drinking water wells were located on the Phase One Property;
- The adjacent and surrounding properties in the vicinity of the Site consist of parkland, residential, community, institutional and commercial land uses. The properties located northeast of the Phase One Property consist of residential developments and institutional buildings, as well as associated roadways, to beyond 200 m from the Phase One Property; the properties located southeast and southwest of the Phase One Property consist of residential developments and associated roadways to beyond 200 m from the Phase One Property; and the properties located northwest of the Phase One Property consist of a community building (i.e., Amnesty International) followed by Laurier Avenue East and residential developments;
- No PCAs were identified at the Phase One Property. One PCA was identified within the Phase One Study Area (i.e., an off-Site pad-mounted oil-cooled transformer located at 312 Laurier Avenue East); however, based on the observations made during Pinchin's Site reconnaissance, the lack of spills reported at this property by ERIS, as well as the fact that any maintenance/environmental issues related to the transformer would be the



responsibility of Hydro Ottawa. As such, it is Pinchin's opinion that this PCA does not represent an APEC for the Phase One Property;

- Underground utilities at the Phase One Property provide potable water, natural gas, electrical, telephone, cable and sewer services to the Site Building. These services enter the Site Building through subsurface conduits, with the exception of a pressurized natural gas line, which connects to a meter located along the exterior of the Site Building;
- The Phase One Property and the surrounding properties located within the Phase One Study Area are located within alluvial deposits consisting of stratified gravel, sand, silt and clay. Bedrock is expected to consist of sedimentary rocks consisting of limestone, dolomite, shale, argillite, sandstone, quartzite, and/or grit; and
- The Phase One Property is relatively flat with little relief. Local groundwater flow is inferred to be to the northeast, based on topography and the location of the Rideau River.

There were no deviations from the Phase One ESA requirements specified in O. Reg. 153/04 or absence of information that have resulted in uncertainty that would affect the validity of the Phase One CSM.

8.0 CONCLUSIONS

Pinchin conducted this Phase One ESA in accordance with Part VII and Schedule D of O. Reg. 153/04. The purpose of the Phase One ESA was to assess the potential presence of environmental impacts at the Phase One Property due to activities at and near the Phase One Property in support of the potential Site Plan Approval application at the Phase One Property.

No PCAs were identified at the Phase One Property. One PCA was identified within the Phase One Study Area (i.e., an off-Site pad-mounted oil-cooled transformer located at 312 Laurier Avenue East); however, based on the observations made during Pinchin's Site reconnaissance, the lack of spills reported at this property by ERIS, as well as the fact that any maintenance/environmental issues related to the transformer would be the responsibility of Hydro Ottawa, it is Pinchin's opinion that this PCA does not represent an APEC for the Phase One Property. Based on these findings, nothing was identified that is likely to have resulted in impacts to the soil and/or groundwater at the Phase One Property and would require the completion of a Phase Two ESA. As such, it is Pinchin's opinion that the Phase One Property is suitable for the purpose of filing a Site Plan Approval with the City of Ottawa based only on the completion of this Phase One ESA report.

It should be noted that the references and sources for the information used in evaluating the Phase One Property are provided in the relevant sections of this report. Furthermore, specific references are also summarized in Section 9.0.



8.1 Signatures

This Phase One ESA was undertaken under the supervision of Scott Mather, P.Eng, QP_{ESA} in accordance with the requirements of O. Reg. 153/04 to support the future Site Plan Approval application at the Phase One Property. The conclusions and recommendations provided in this report represent the best judgement of the assessor based on the Site conditions observed on August 20, 2021, and a review of available historical information and information obtained from interviews.

We trust that the information provided in this report meets your current requirements.

8.2 Terms and Limitations

This Phase One ESA was performed in order to identify potential issues of environmental concern associated with the property located at 23-29 Russell Avenue in Ottawa, Ontario (Phase One Property), at the time of the Site reconnaissance. This Phase One ESA was performed in general compliance with currently acceptable practices for environmental site investigations, and specific Client requests, as applicable to this Site. This report was prepared for the exclusive use of Smart Living Properties (Client), subject to the terms, conditions and limitations contained within the duly authorized proposal for this project. Any use which a third party makes of this report, or any reliance on or decisions to be made based on it, is the sole responsibility of such third parties. Pinchin accepts no responsibility for damages suffered by any third party as a result of decisions made or actions conducted.

If additional parties require reliance on this report, written authorization from Pinchin will be required. Such reliance will only be provided by Pinchin following written authorization from the Client. Pinchin disclaims responsibility of consequential financial effects on transactions or property values, or requirements for follow-up actions and costs. No other warranties are implied or expressed. Pinchin will not provide results or information to any party unless disclosure by Pinchin is required by law.

The information provided in this report is based upon analysis of available documents, records and drawings, and personal interviews. In evaluating the Site, Pinchin has relied in good faith on information provided by other individuals noted in this report. Pinchin has assumed that the information provided is factual and accurate. In addition, the findings in this report are based, to a large degree, upon information provided by the current owner/occupant. Pinchin accepts no responsibility for any deficiency, misstatement or inaccuracy contained in this report as a result of omissions, misinterpretations or fraudulent acts of persons interviewed or contacted, or contained in reports that were reviewed. The scope of work for this Phase One ESA did not include a visual or intrusive investigation for designated substances (e.g., asbestos, mould, PCB-containing electrical equipment, etc.) and, therefore, these materials may be present at the Site.



Pinchin makes no other representations whatsoever, including those concerning the legal significance of its findings, or as to other legal matters touched on in this report, including, but not limited to, ownership of any property, or the application of any law to the facts set forth herein. With respect to regulatory compliance issues, regulatory statutes are subject to interpretation and these interpretations may change over time.

Ontario Regulation 153/04 does not apply to environmental auditing or environmental management systems. Therefore, with respect to Site operations and conditions, compliance with applicable federal, provincial or municipal acts, regulations, laws and/or statutes was not evaluated as part of the Phase One ESA.

9.0 REFERENCES

The following documents, persons or organizations provided information used in this report:

- Mr. Peter Lewis, Owner of the Phase One Property since 2003 [Site Representative].
- ERIS report entitled “29 Russell Avenue, Ottawa, Ontario”, and dated August 20, 2021 (ERIS Project #21081700047).
- Opta Information Intelligence “29 Russell Avenue, Ottawa, Ontario”, and dated August 24, 2021 (Opta Order ID: 94822).
- Opta Information Intelligence “23 Russell Avenue, Ottawa, Ontario”, and dated August 26, 2021 (Opta Order ID: 95047).
- The Atlas of Canada – Surficial Materials:
<http://atlas.nrcan.gc.ca/site/english/maps/environment/land/surficialmaterials/1>
- The Atlas of Canada – Bedrock Geology:
<http://atlas.gc.ca/site/english/maps/archives/3rdedition/environment/land/016?w=4&h=4&l=6&r=4&c=12>.
- Toporama – Topographic Maps:
<http://atlas.gc.ca/site/english/maps/topo/map>.
- Canadian Centre for Occupational Health & Safety:
http://www.ccohs.ca/oshanswers/phys_agents/phys_agents/radon.html.
- Canadian Standards Association (CSA) Standard. *CSA Z768-01, Phase I Environmental Site Assessment*, Canadian Standards Association International, November 2001, reaffirmed in 2012.
- National Air Photo Library, Ottawa, Ontario.
- Technical Standards & Safety Authority.



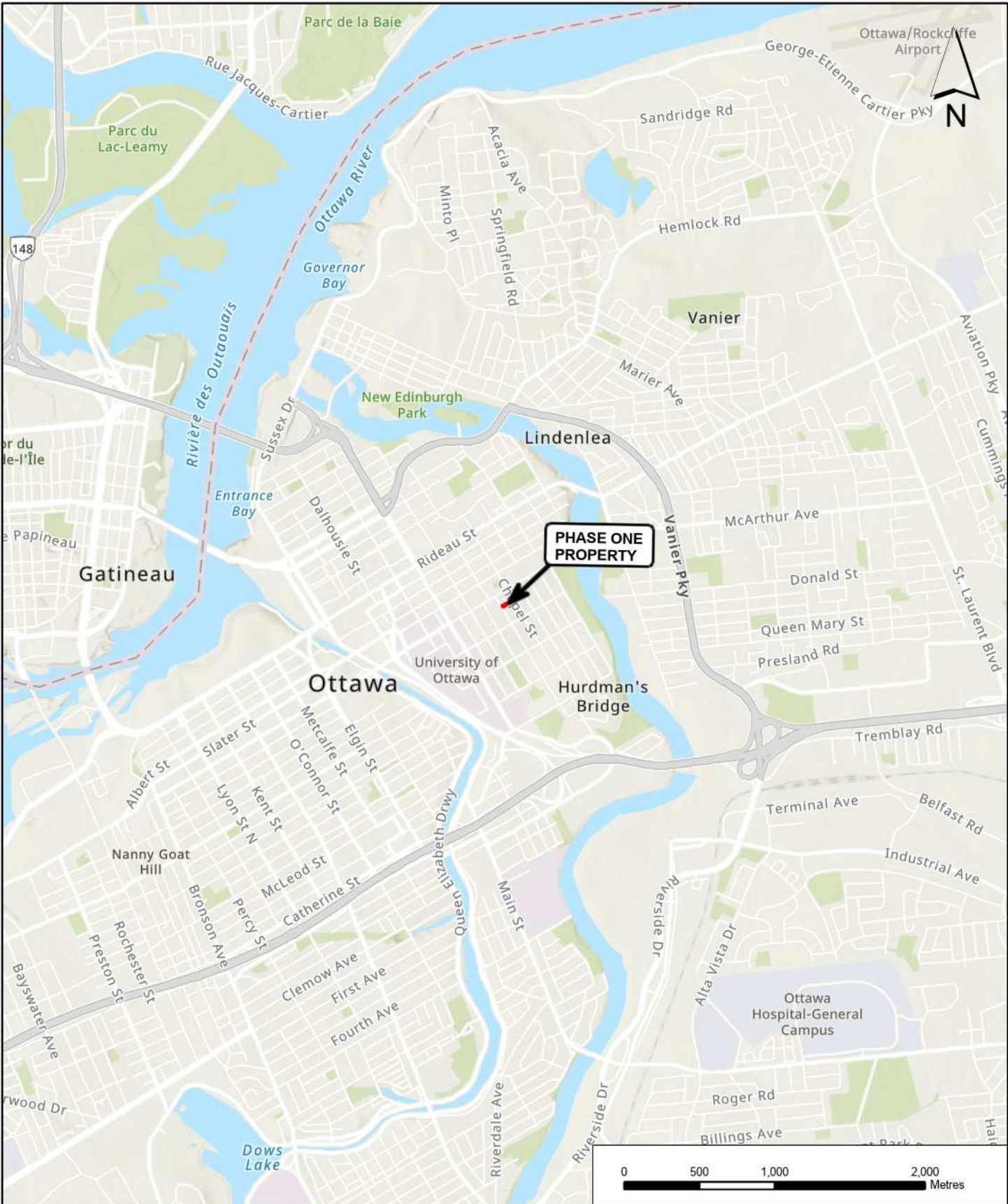
- Ministry of the Environment, Conservation and Parks.
- MECP Brownfields Environmental Site Registry.
- Google Earth™ Satellite Imagery.
- Intera Technologies Inc. *Inventory of Coal Gasification Plant Waste Sites in Ontario*. April 1987.
- Intera Technologies Inc. *Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario*. November 1988.
- Province of Ontario. Environmental Protection Act R.S.O. 1990, c. E.19 and Ontario Regulation 153/04: Records of Site Condition – Part XV.1 of the Act. Last amended by Ontario Regulation 333/13 on December 13, 2013.

297563 SPA Phase One ESA 23-29 Russell Ave Ottawa ON SLP.docx

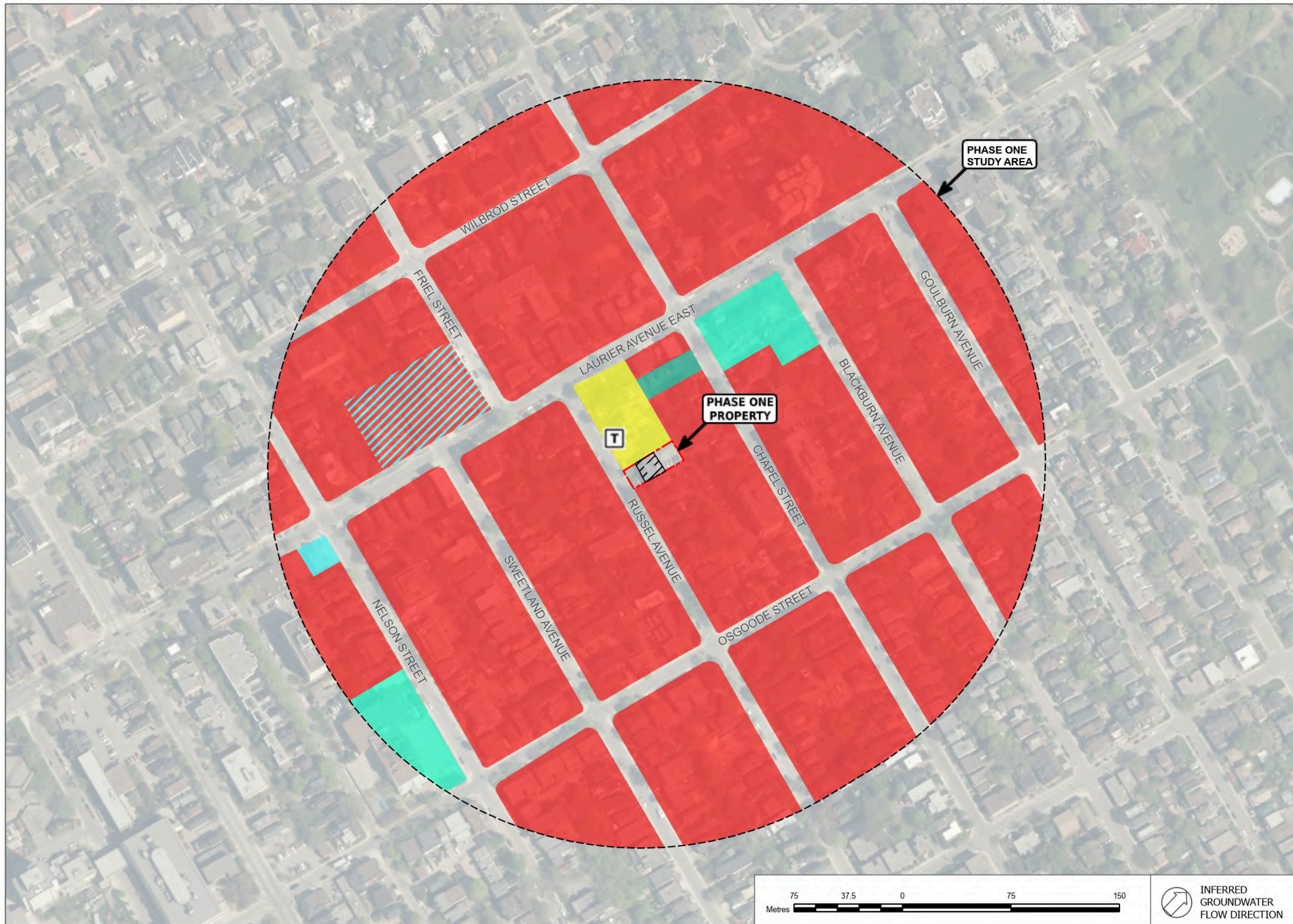
Template: Master Report for RSC Phase One ESA Report, EDR, October 16, 2020

10.0 APPENDICES

APPENDIX A
Figures



PROJECT NAME:		PHASE ONE ENVIRONMENTAL SITE ASSESSMENT		
CLIENT NAME:		SMART LIVING PROPERTIES		
PROJECT LOCATION:		23-29 RUSSELL AVENUE, OTTAWA, ONTARIO		
FIGURE NAME:		KEY MAP		FIGURE NUMBER
PROJECT NUMBER:	SCALE:	DRAWN BY:	REVIEWED BY:	DATE:
297563	1:50,000	PKM	KF	SEPTEMBER 2021
				1



LEGEND

	PHASE ONE BOUNDARY
	SITE BUILDING
	PHASE ONE STUDY AREA
	COMMERCIAL
	RESIDENTIAL
	VACANT
	COMMUNITY
	INSTITUTIONAL
	RES/COM

NOTES:
 1) Proprietary information may not be reproduced or divulged without prior written consent of Pinchin Ltd.
 2) Do not scale drawing.
 3) This drawing may have been reduced. All scale notations indicated are based on a 11"x17" format drawings.
 4) Legend is color dependent. Non-colour copies may alter interpretation.
 5) Coordinate system: NAD 1983 CSRS UTM Zone 18N.
 6) Source: Pinchin Ltd., .



PROJECT NAME
PHASE ONE ENVIRONMENTAL SITE ASSESSMENT

CLIENT NAME
SMART LIVING PROPERTIES

PROJECT LOCATION
23-29 RUSSELL AVENUE, OTTAWA, ONTARIO




FIGURE NAME
PHASE ONE STUDY AREA

PROJECT NUMBER: 297563	SCALE AS SHOWN
DRAWN BY PKM	REVIEWED BY KF
DATE SEPTEMBER 2021	FIGURE NUMBER 2





LEGEND

	POTENTIALLY CONTAMINATING ACTIVITY
	PHASE ONE PROPERTY
	SITE BUILDING

NOTES:
 1) Proprietary information may not be reproduced or divulged without prior written consent of Pinchin Ltd.
 2) This drawing may have been reduced. All scale notations indicated are based on a 11"x17" format drawings.
 3) Legend is color dependent. Non-colour copies may alter interpretation.
 4) Coordinate system: NAD 1983 CSRS UTM Zone 18N.
 5) Source: Pinchin Ltd., Maxar, Microsoft



PROJECT NAME
PHASE ONE ENVIRONMENTAL SITE ASSESSMENT

CLIENT NAME
SMART LIVING PROPERTIES

PROJECT LOCATION
23-29 RUSSELL AVENUE, OTTAWA, ONTARIO

FIGURE NAME
POTENTIALLY CONTAMINATING ACTIVITIES

PROJECT NUMBER: 297563	SCALE AS SHOWN
DRAWN BY PKM	REVIEWED BY KF
DATE SEPTEMBER 2021	FIGURE NUMBER 3



APPENDIX B
Photographs



Photo 1 – Site Building (northeast elevation).



Photo 2 – Site Building (southwest elevation).



Photo 3 – Site Building (northwest elevation).



Photo 4 – Properties located northeast of the Phase One Property.



Photo 5 – Properties located southeast of the Phase One Property.



Photo 6 – Properties located southwest of the Phase One Property.



Photo 7 – Properties located northwest of the Phase One Property.



Photo 8 – Pad-mounted oil-cooled transformer located at the adjacent property northwest of the Phase One Property (PCA).

APPENDIX C
Opta Records



enviroscan



An SCM Company

175 Commerce Valley Drive W
Markham, Ontario L3T 7Z3

T: 905-882-6300
W: www.optaintel.ca

Report Completed By:
Stephanie

Site Address:

29 Russell Avenue Ottawa ON

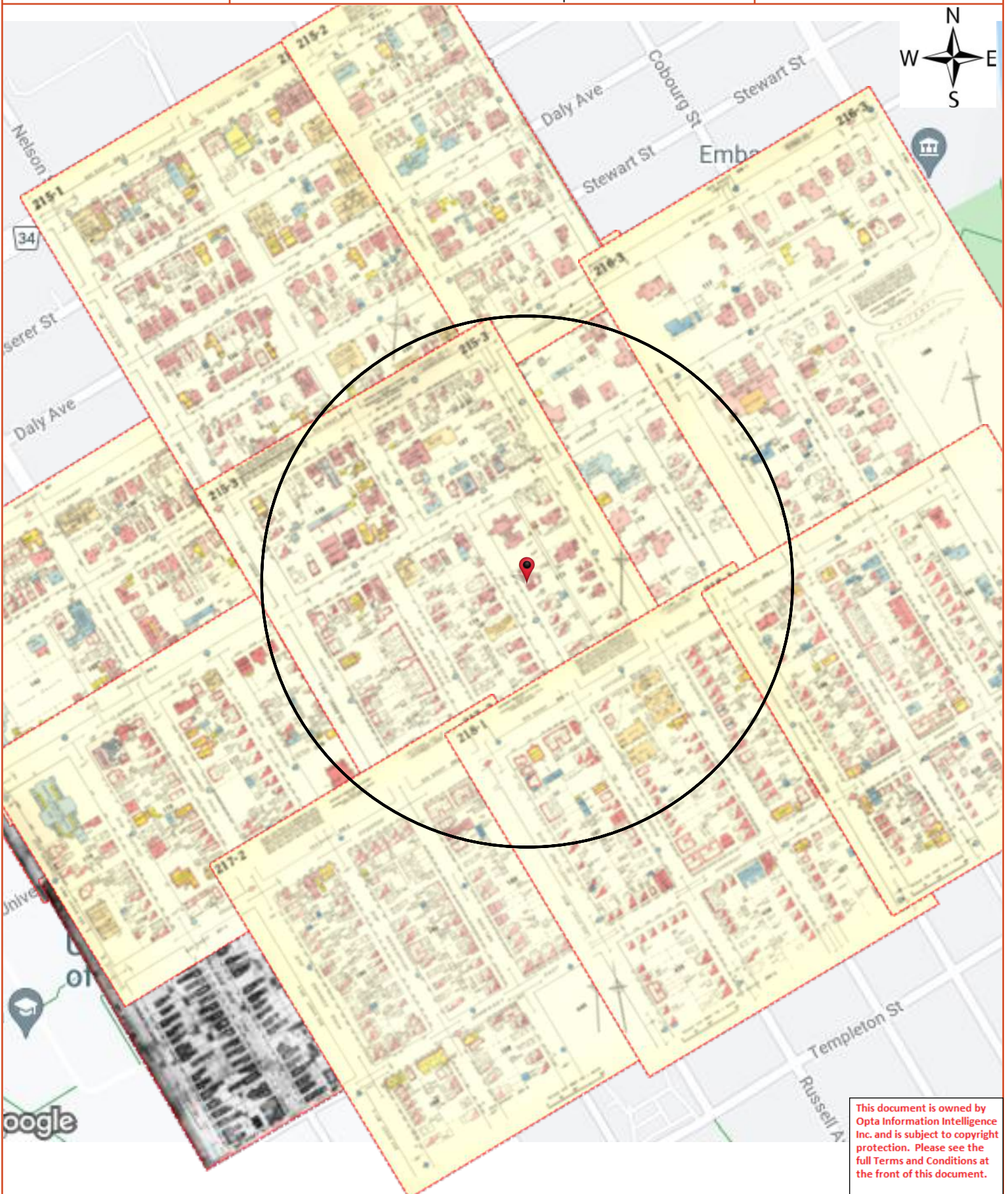
Project No:

21081700047
Opta Order ID:

94822

Requested by:
Eleanor Goolab
Ecolog Eris

Date Completed:
8/24/2021 10:41:30 AM



This document is owned by Opta Information Intelligence Inc. and is subject to copyright protection. Please see the full Terms and Conditions at the front of this document.

Opta Historical Environmental Services EnviroscanTM Terms and Conditions

Report

The documents (hereinafter referred to as the "Documents") to be released as part of the report (hereinafter referred to as the "Report") to be delivered to the purchaser as set out above are documents in Opta's records relating to the described property (hereinafter referred to as the "Property"). Opta makes no representations or warranties respecting the Documents whatsoever, including, without limitation, with respect to the completeness, accuracy or usefulness of the Documents, and does not represent or warrant that these are the only plans and reports prepared in association with the Property or in Opta's possession at the time of Report delivery to the purchaser. The Documents are current as of the date(s) indicated on them. Interpretation of the Documents, if any, is by inference based upon the information which is apparent and obvious on the face of the Documents only. Opta does not represent, warrant or guarantee that interpretations other than those referred to do not exist from other sources. The Report will be prepared for use by the purchaser of the services as shown above hereof only.

Disclaimer

Opta disclaims responsibility for any losses or damages of any kind whatsoever, whether consequential or other, however caused, incurred or suffered, arising directly or indirectly as a result of the services (which services include, but are not limited to, the preparation of the Report provided hereunder), including but not limited to, any losses or damages arising directly or indirectly from any breach of contract, fundamental or otherwise, from reliance on Opta Reports or from any tortious acts or omissions of Opta's agents, employees or representatives.

Entire Agreement

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

Governing Document

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

Law

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

Report Index

Requested by:
Eleanor Goolab

Date Completed: 08/24/2021 10:41:30



OPTA INFORMATION INTELLIGENCE

Page	Report Title
6	(1922) Volume: Ottawa Volume 1 Firemap: 26
8	(1922) Volume: Ottawa Volume 1 Firemap: 28
10	(1922) Volume: Ottawa Volume 1 Firemap: 79
12	(1922) Volume: Ottawa Volume 1 Firemap: 80
14	(1922) Volume: Ottawa Volume 1 Firemap: 81
16	(1958) Volume: Ottawa Volume 2 Firemap: 214-2
18	(1958) Volume: Ottawa Volume 2 Firemap: 214-3
20	(1958) Volume: Ottawa Volume 2 Firemap: 215-1
22	(1958) Volume: Ottawa Volume 2 Firemap: 215-2
24	(1958) Volume: Ottawa Volume 2 Firemap: 215-2
26	(1958) Volume: Ottawa Volume 2 Firemap: 215-3
28	(1958) Volume: Ottawa Volume 2 Firemap: 216-3
30	(1958) Volume: Ottawa Volume 2 Firemap: 217-2
32	(1958) Volume: Ottawa Volume 2 Firemap: 218-1
34	(1958) Volume: Ottawa Volume 2 Firemap: 218-2





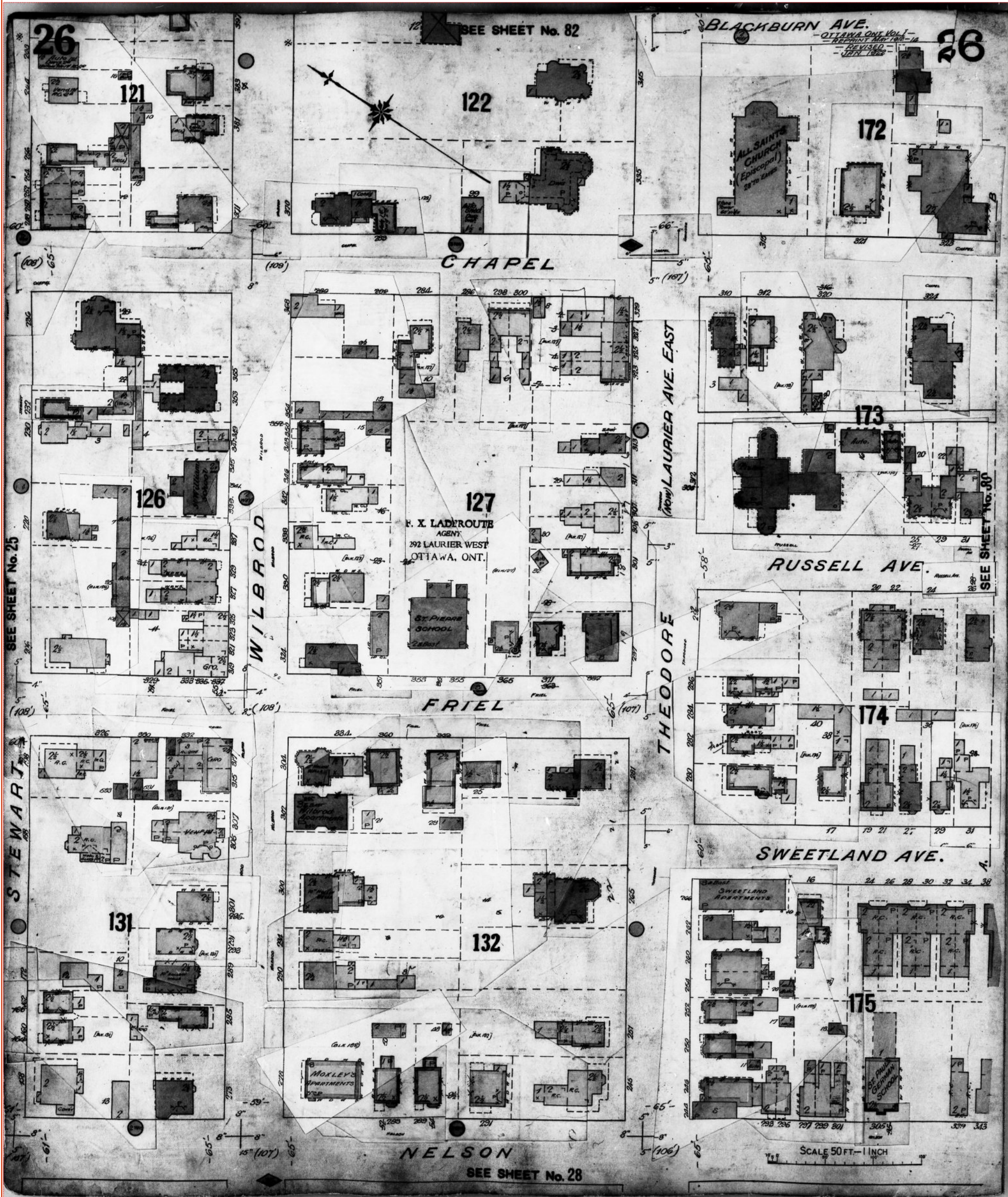
FIP Locator Map
The detailed FIP is on the following page



This document is owned by Opta Information Intelligence Inc. and is subject to copyright protection. Please see the full Terms and Conditions at the front of this document.

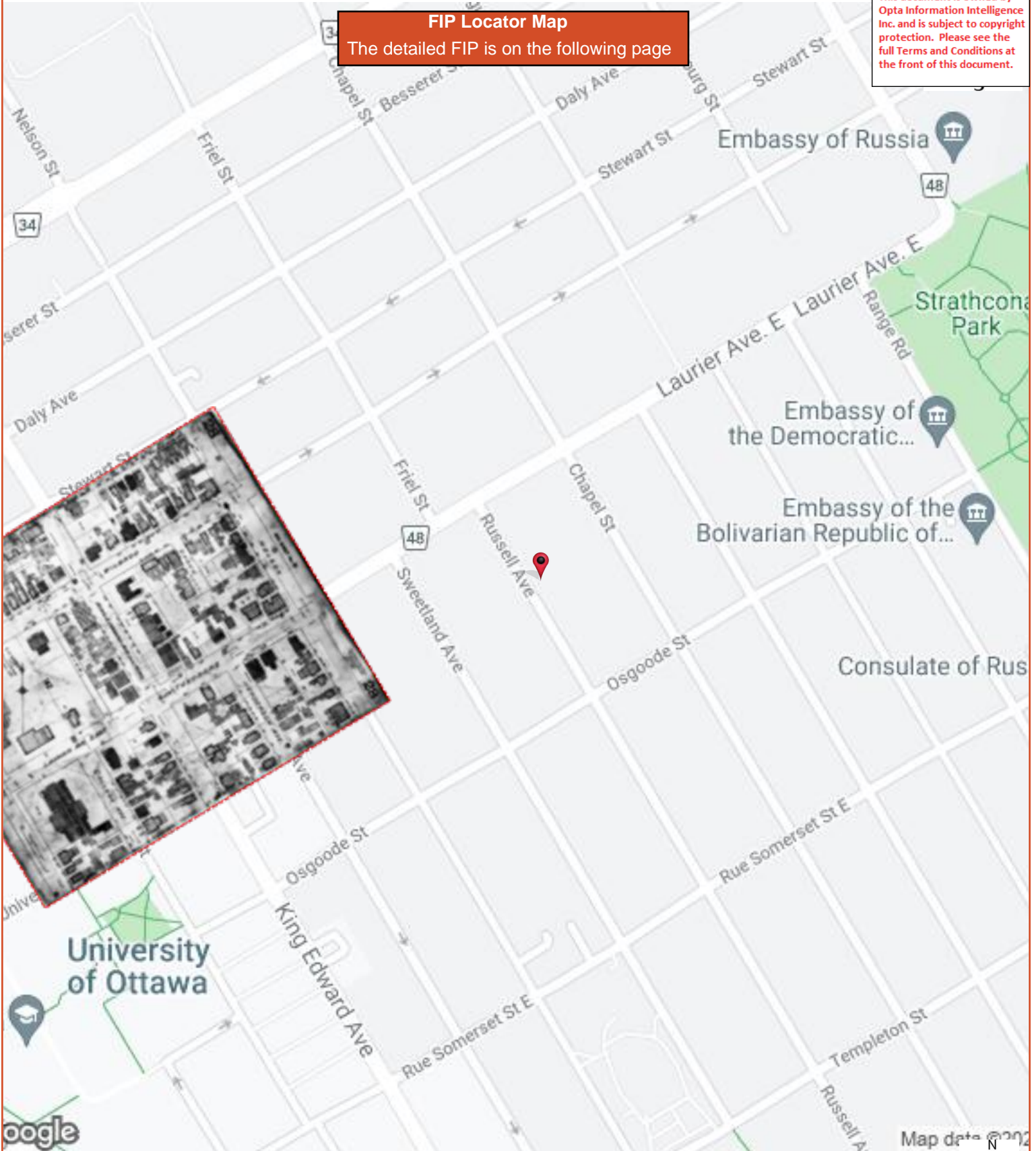
Map data © 2021

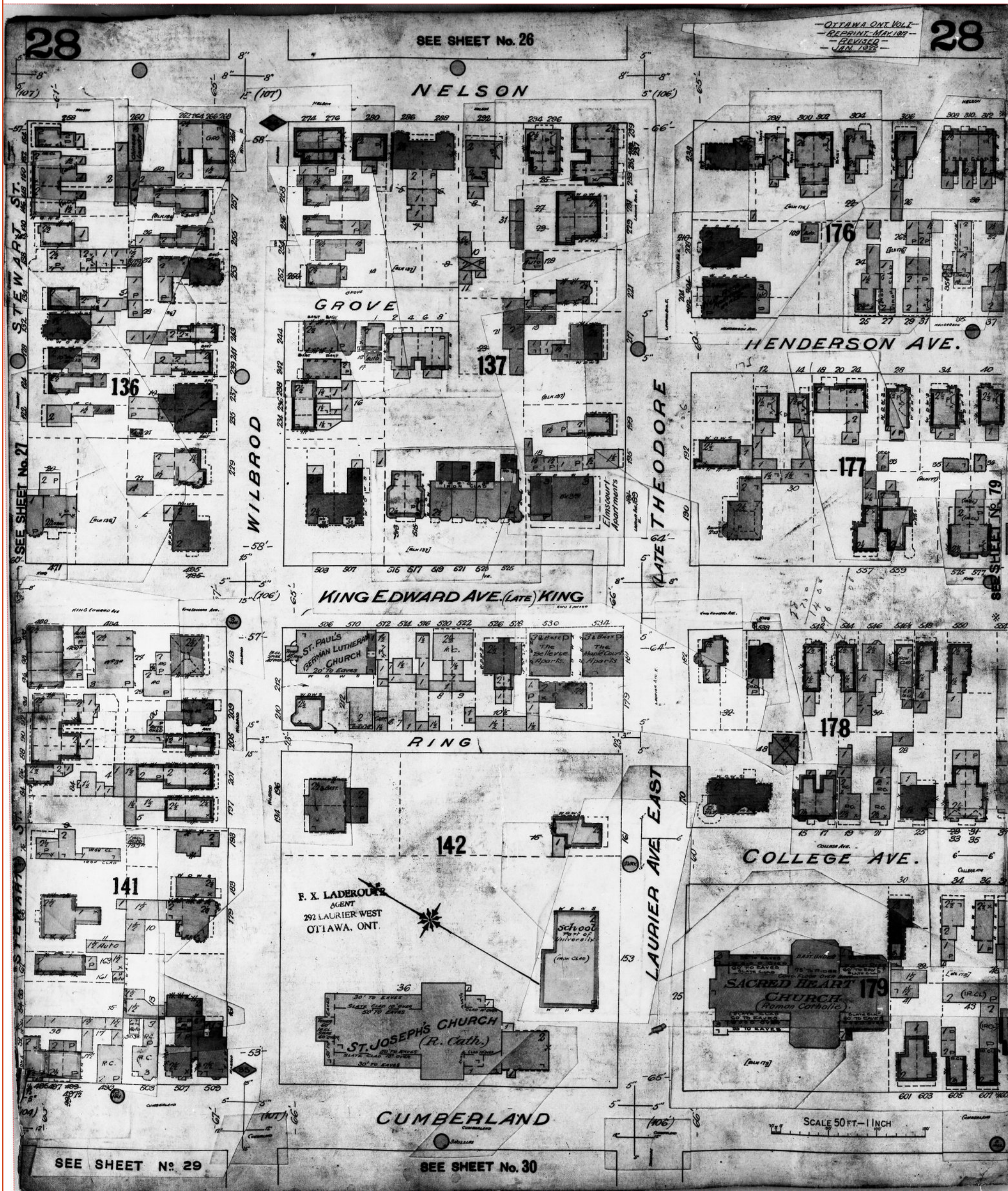




FIP Locator Map
The detailed FIP is on the following page

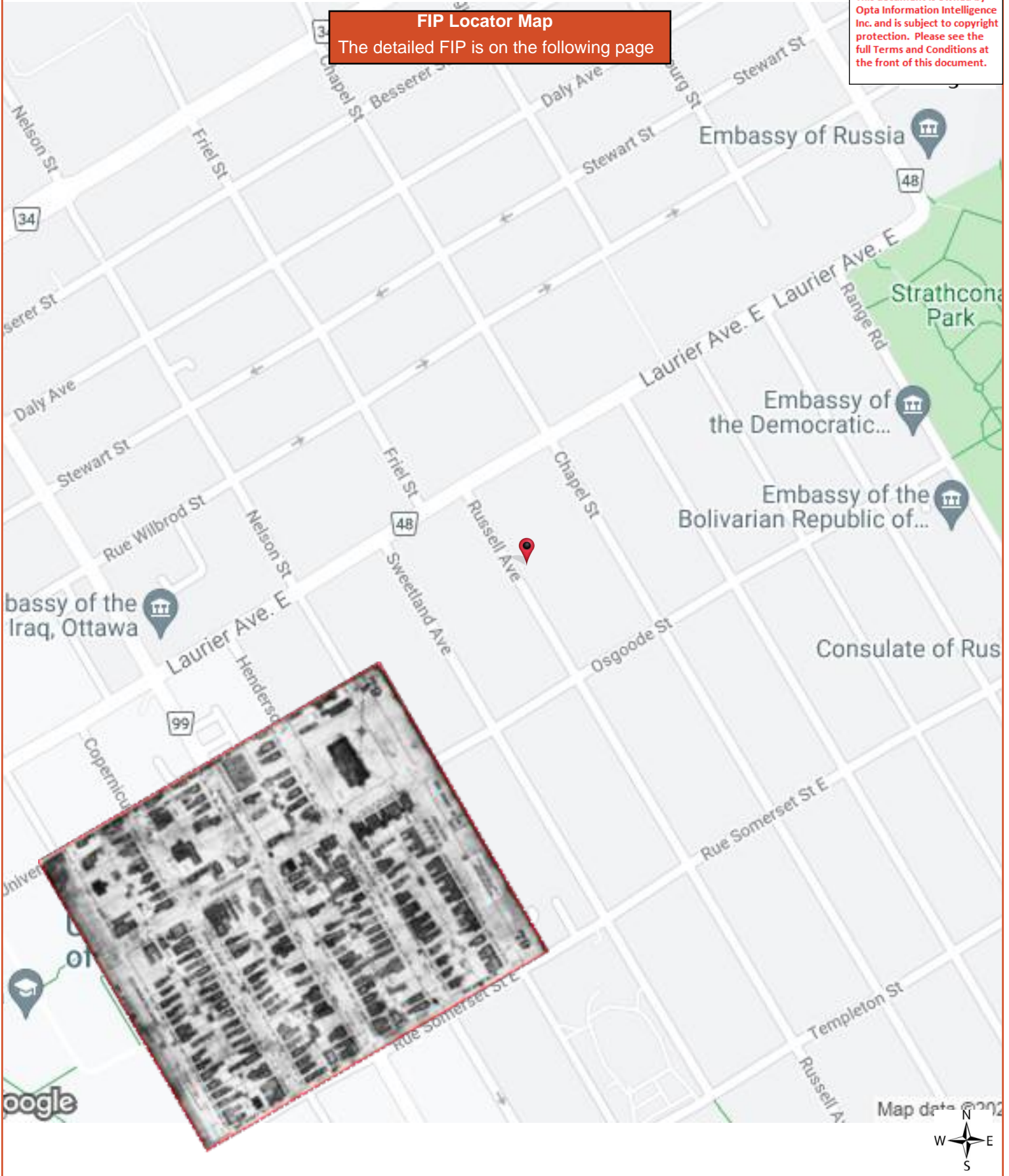
This document is owned by Opta Information Intelligence Inc. and is subject to copyright protection. Please see the full Terms and Conditions at the front of this document.

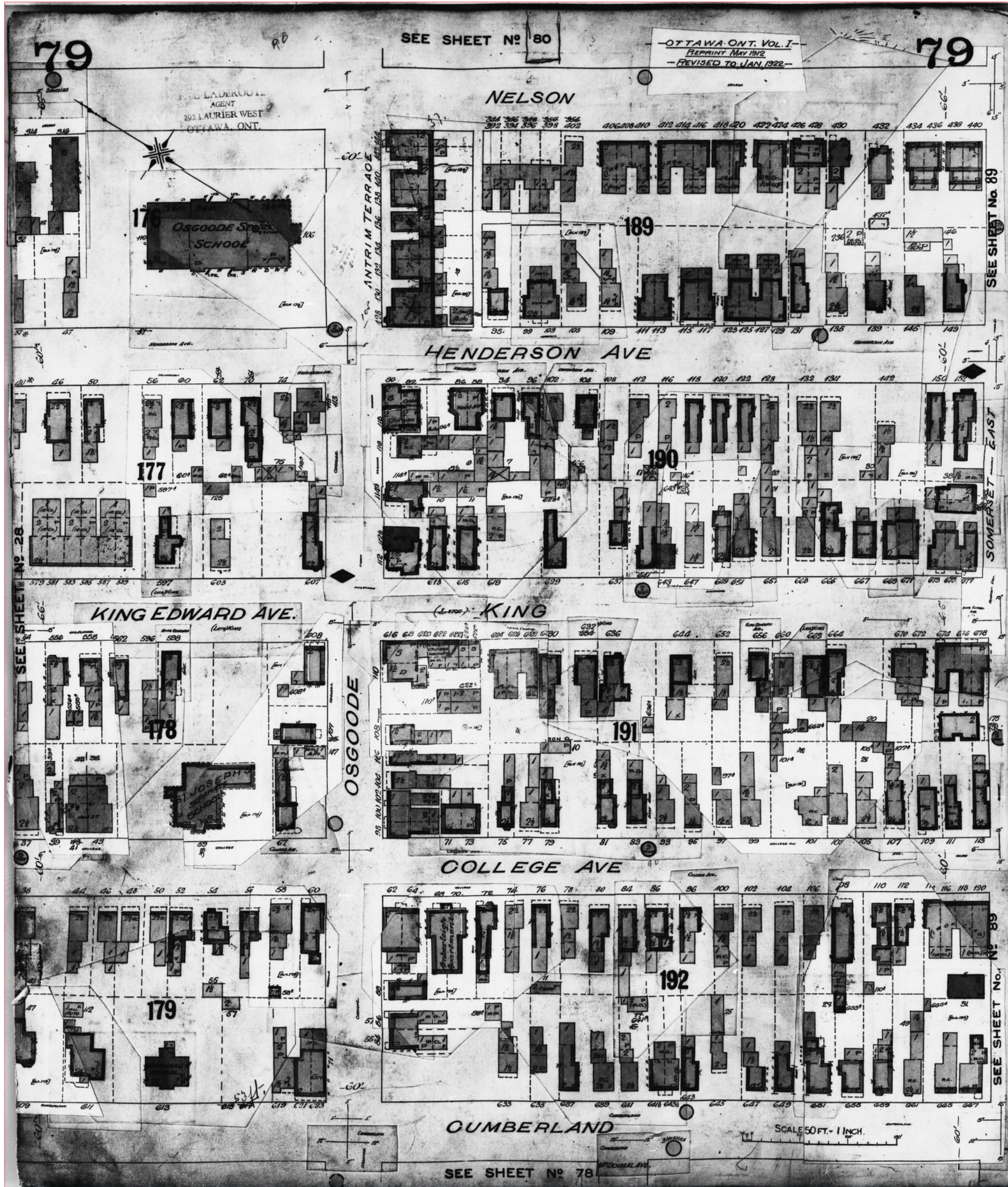




FIP Locator Map
The detailed FIP is on the following page

This document is owned by Opta Information Intelligence Inc. and is subject to copyright protection. Please see the full Terms and Conditions at the front of this document.

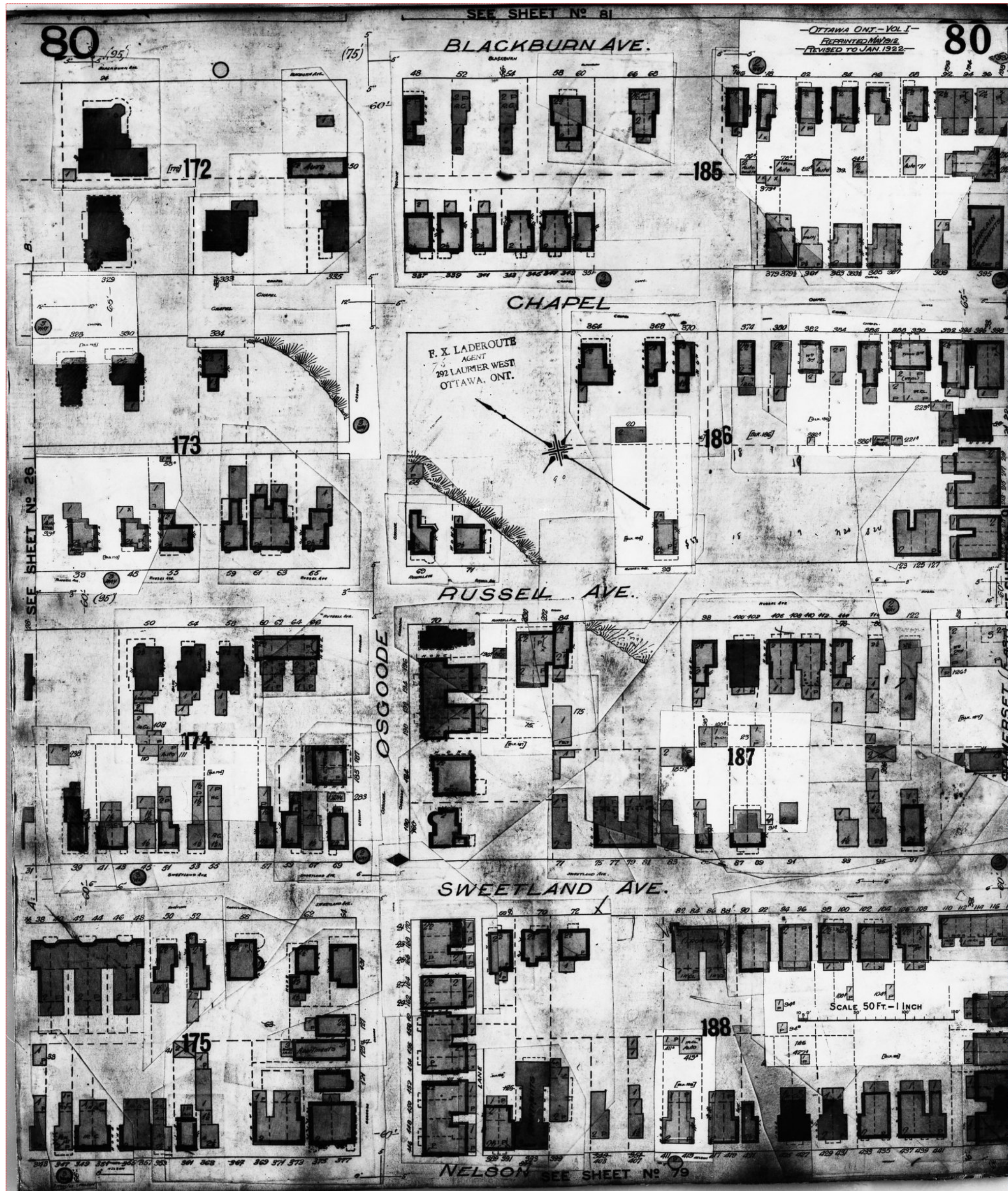


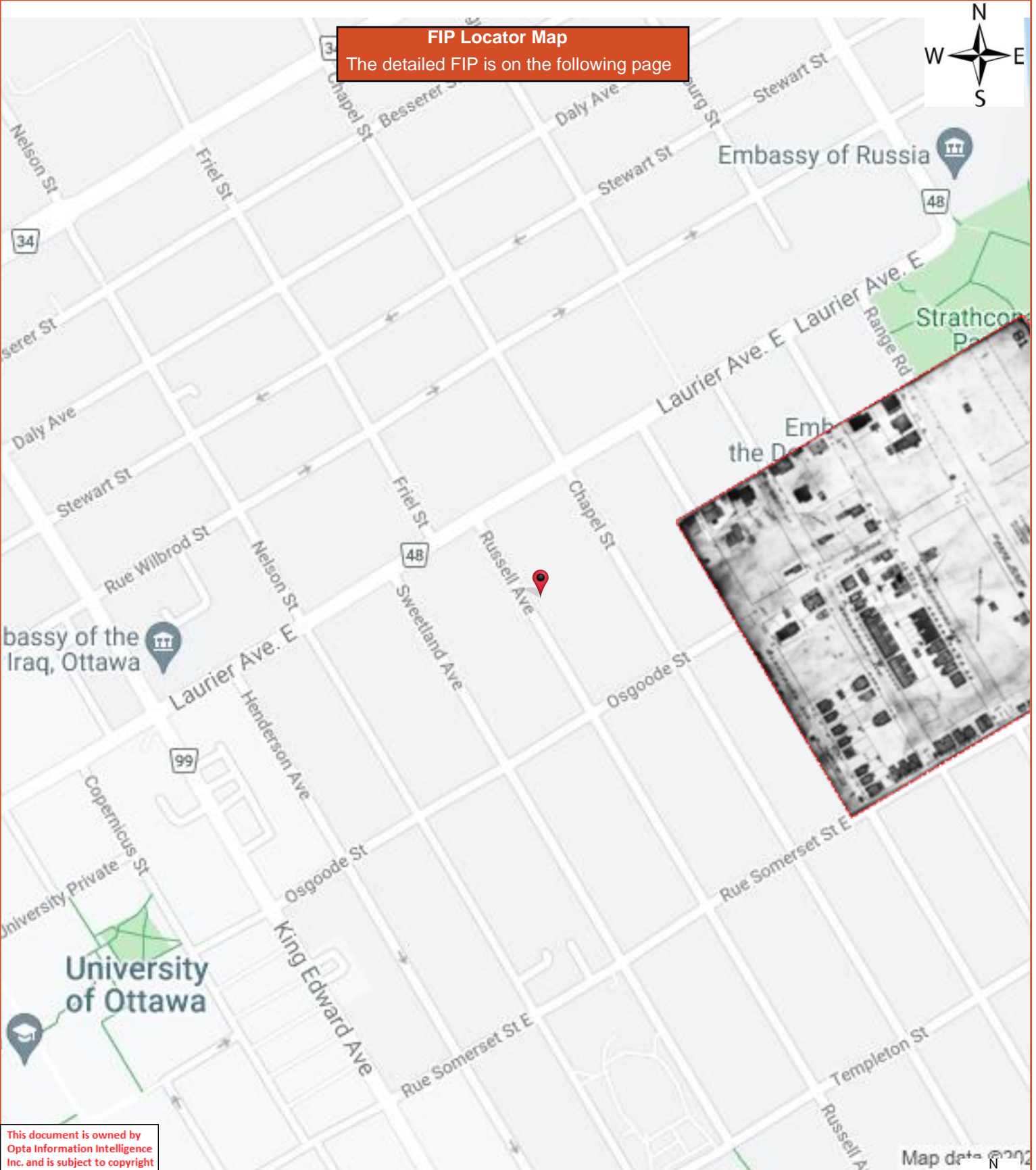


FIP Locator Map
The detailed FIP is on the following page

This document is owned by Opta Information Intelligence Inc. and is subject to copyright protection. Please see the full Terms and Conditions at the front of this document.

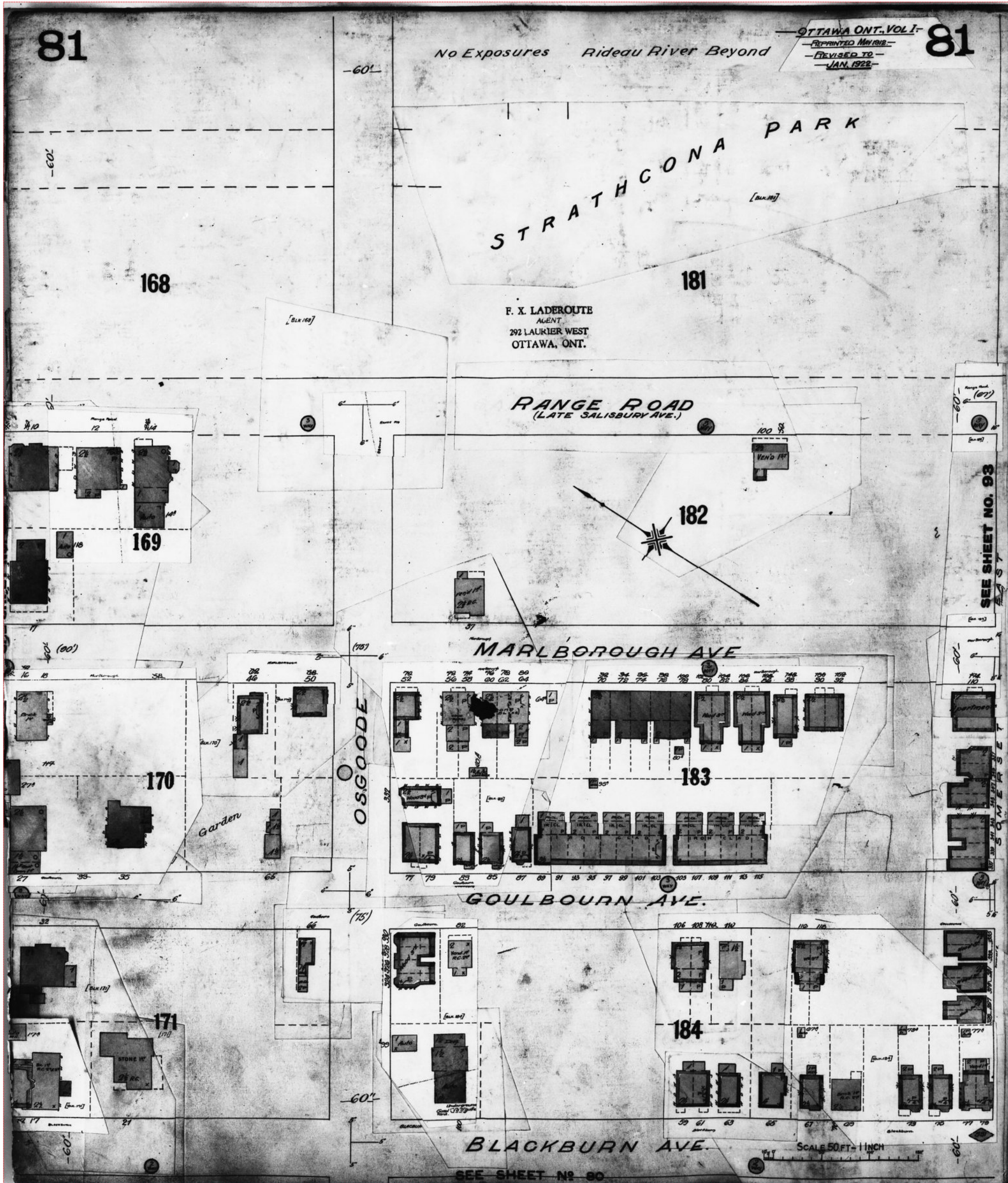


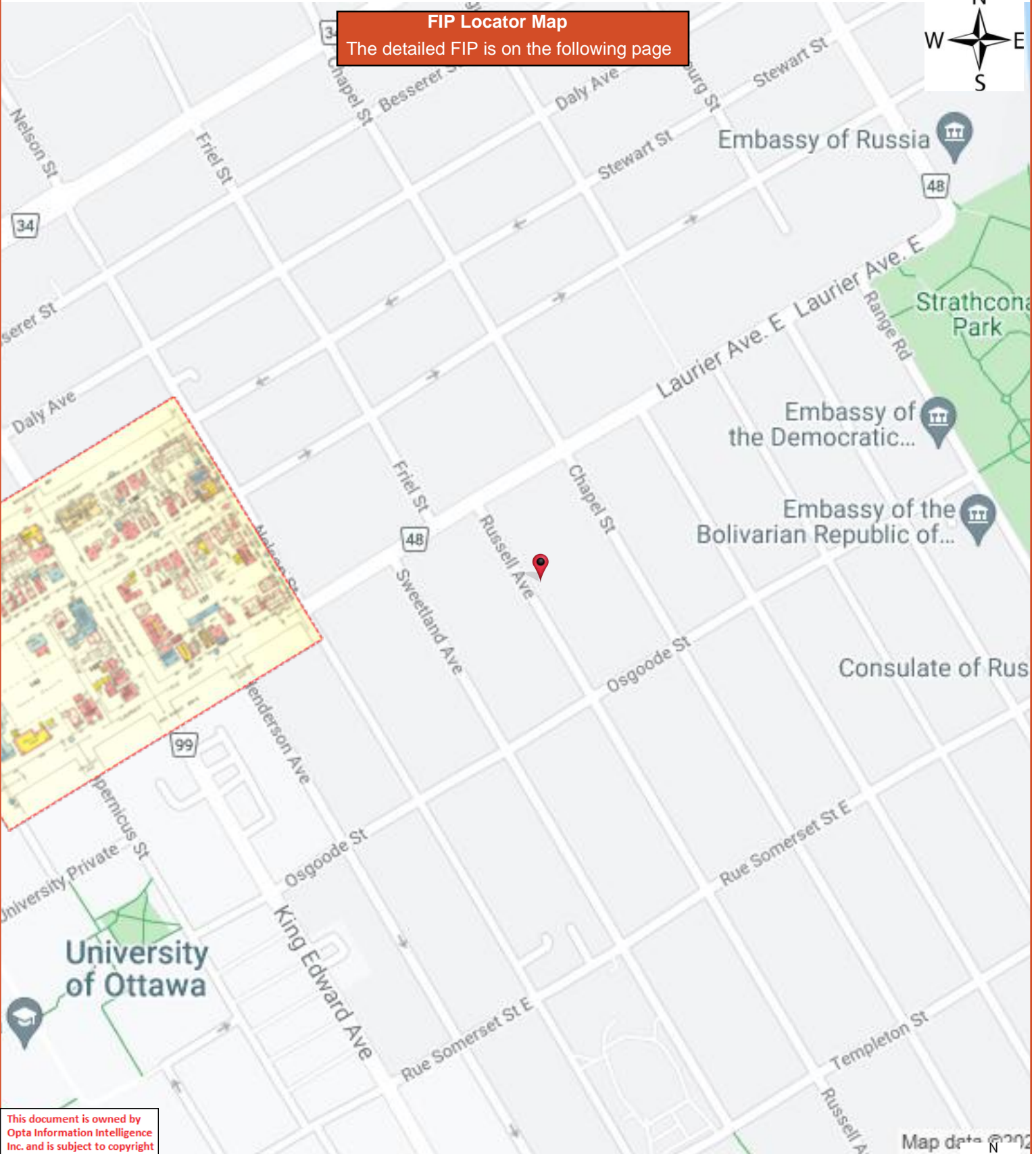




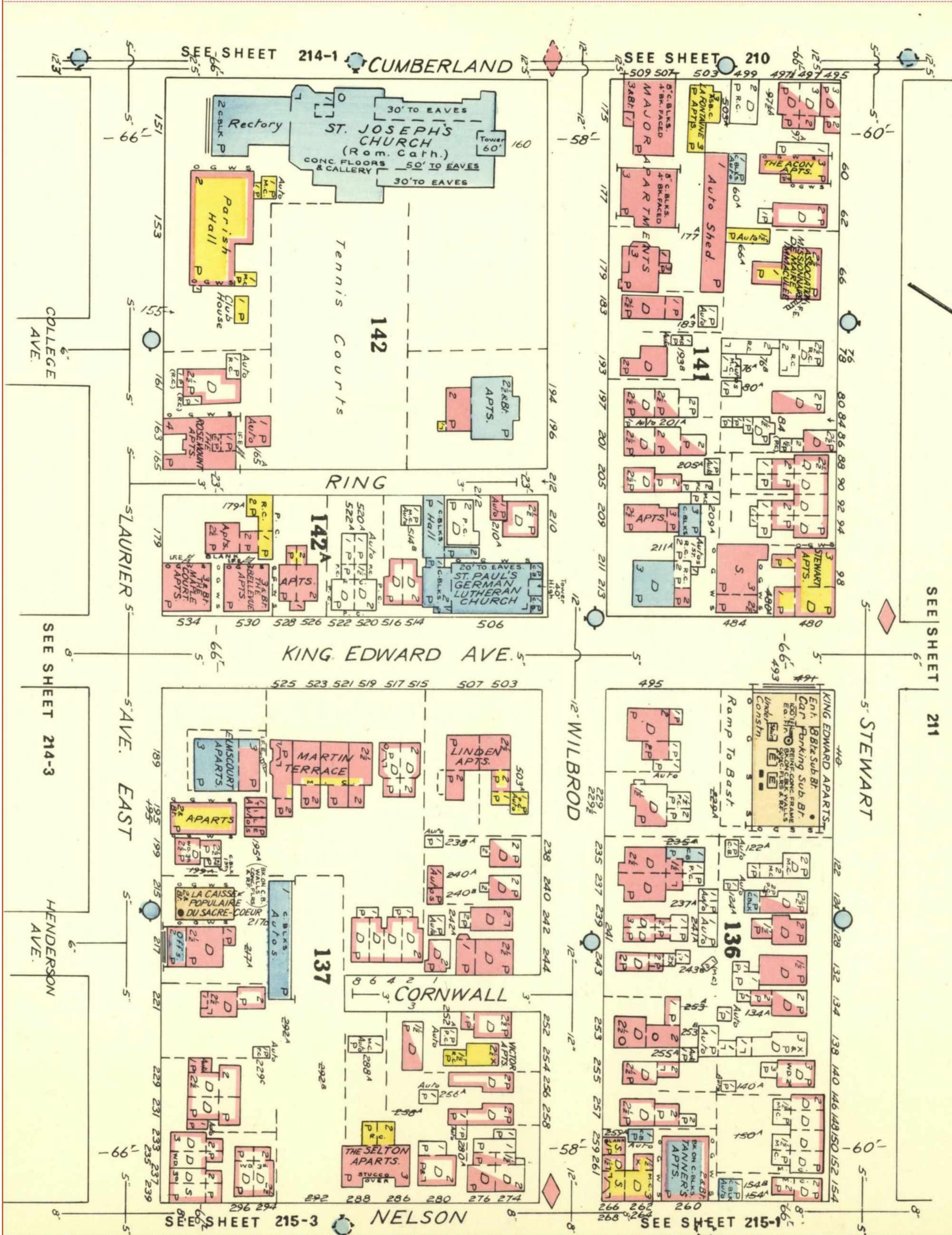
This document is owned by Opta Information Intelligence Inc. and is subject to copyright protection. Please see the full Terms and Conditions at the front of this document.





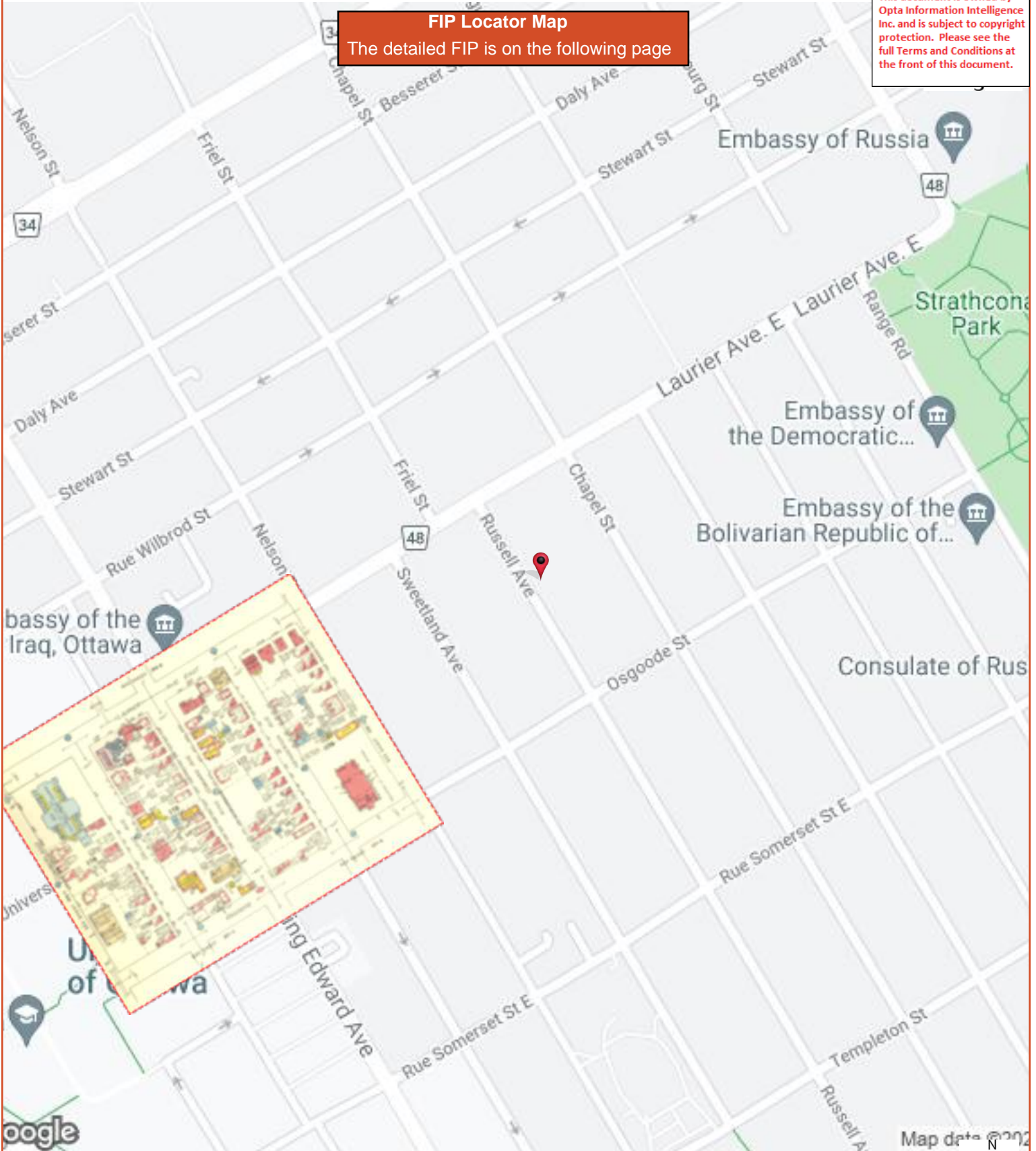


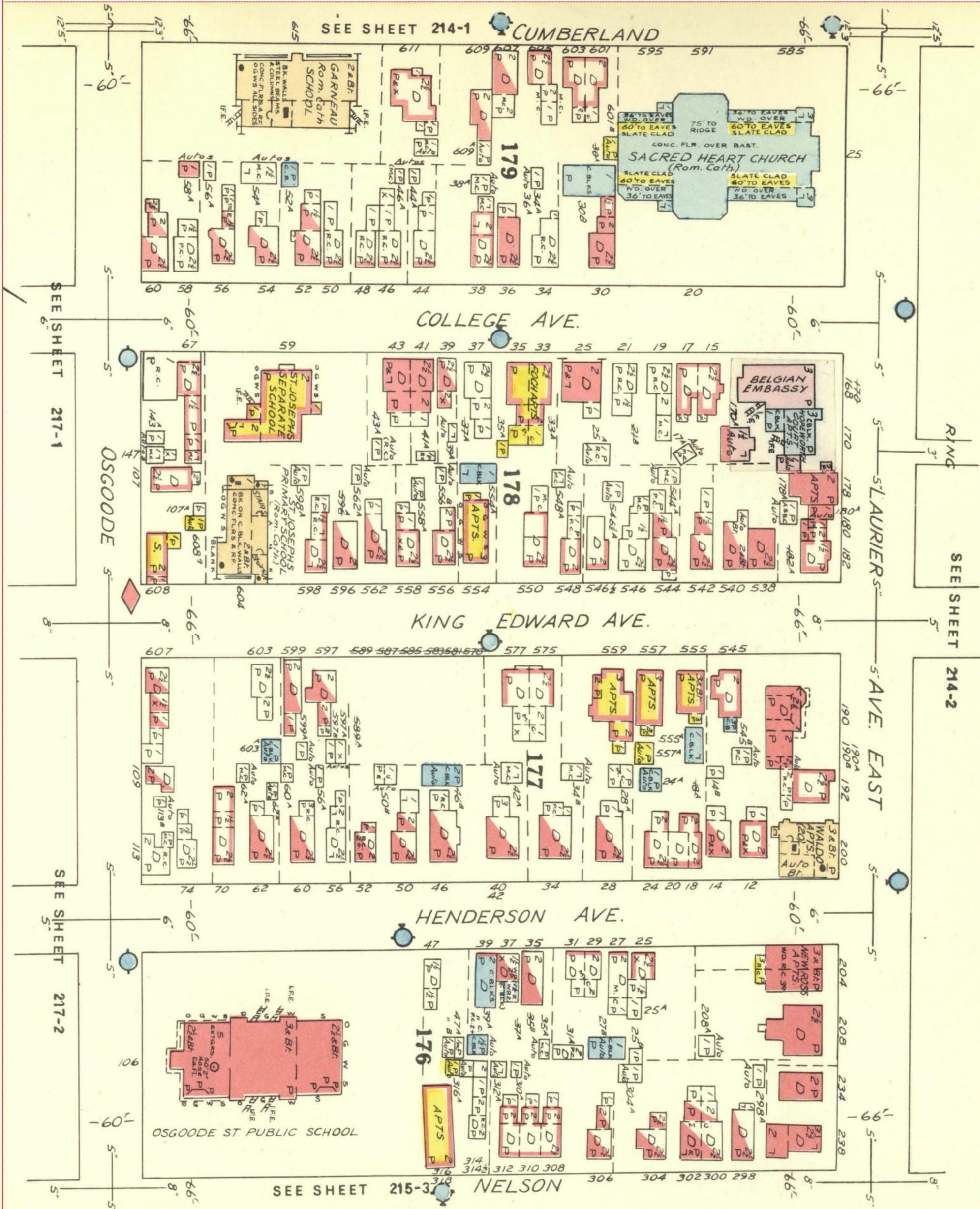
This document is owned by Opta Information Intelligence Inc. and is subject to copyright protection. Please see the full Terms and Conditions at the front of this document.

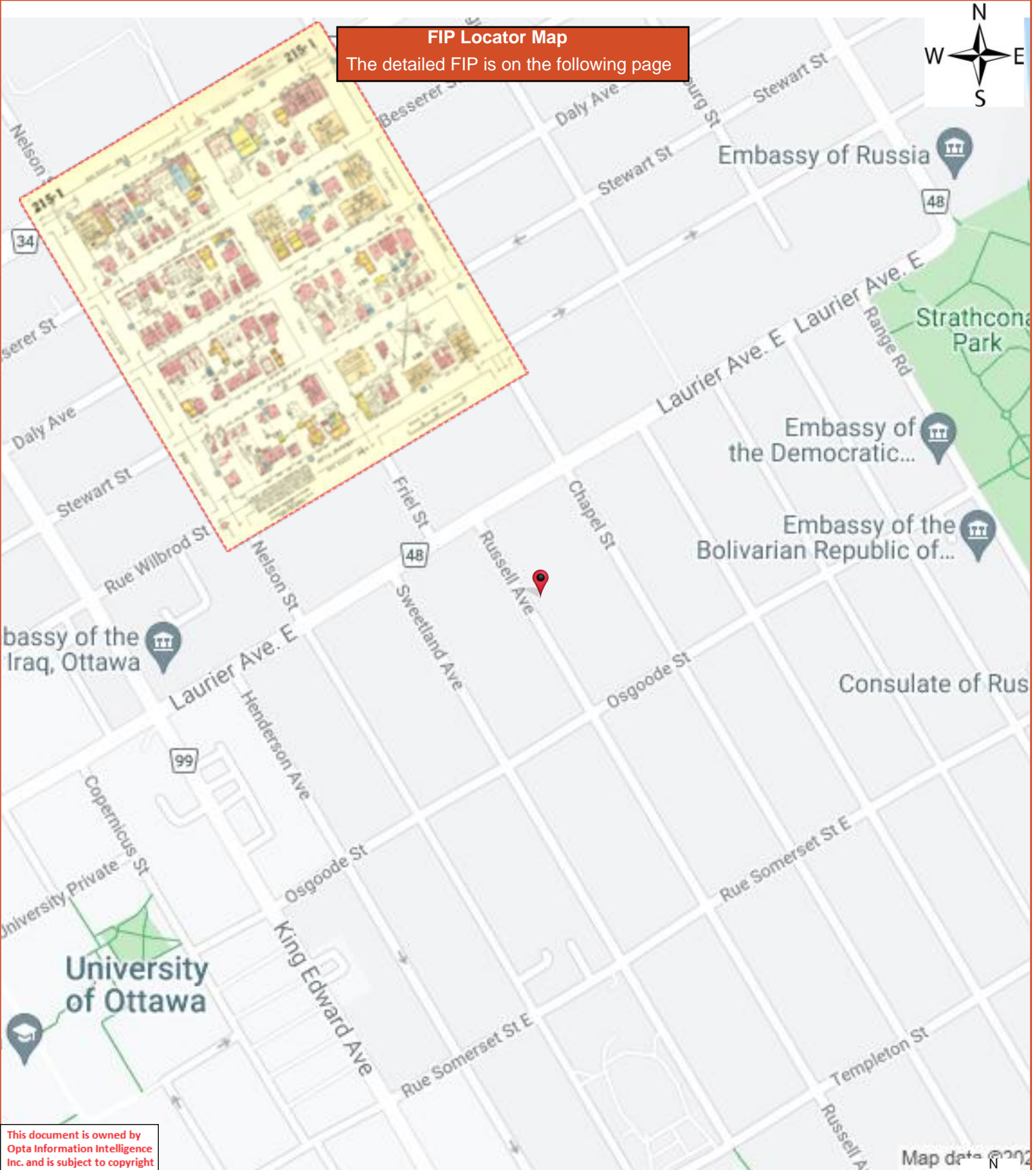


FIP Locator Map
The detailed FIP is on the following page

This document is owned by Opta Information Intelligence Inc. and is subject to copyright protection. Please see the full Terms and Conditions at the front of this document.







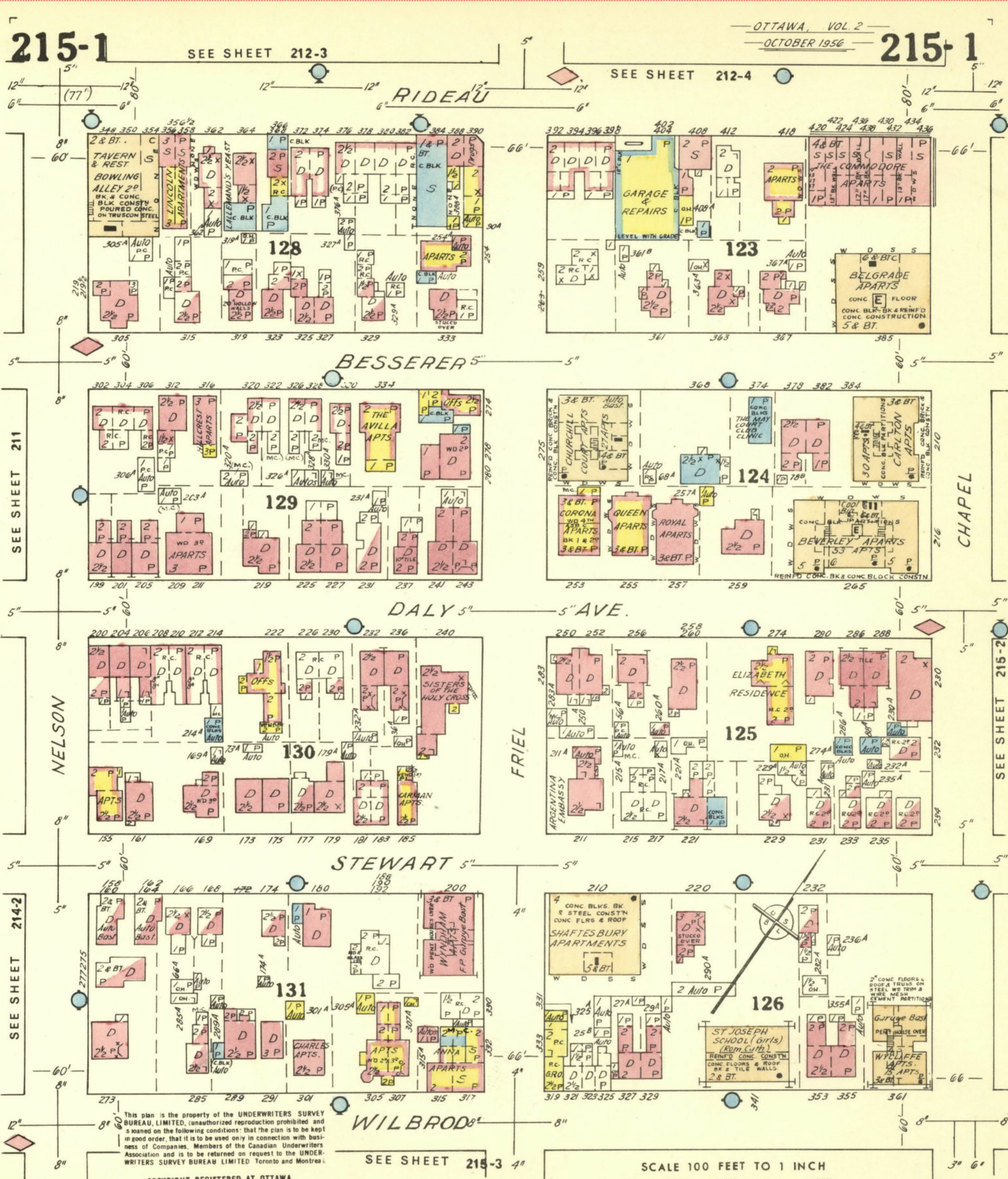
FIP Locator Map
The detailed FIP is on the following page

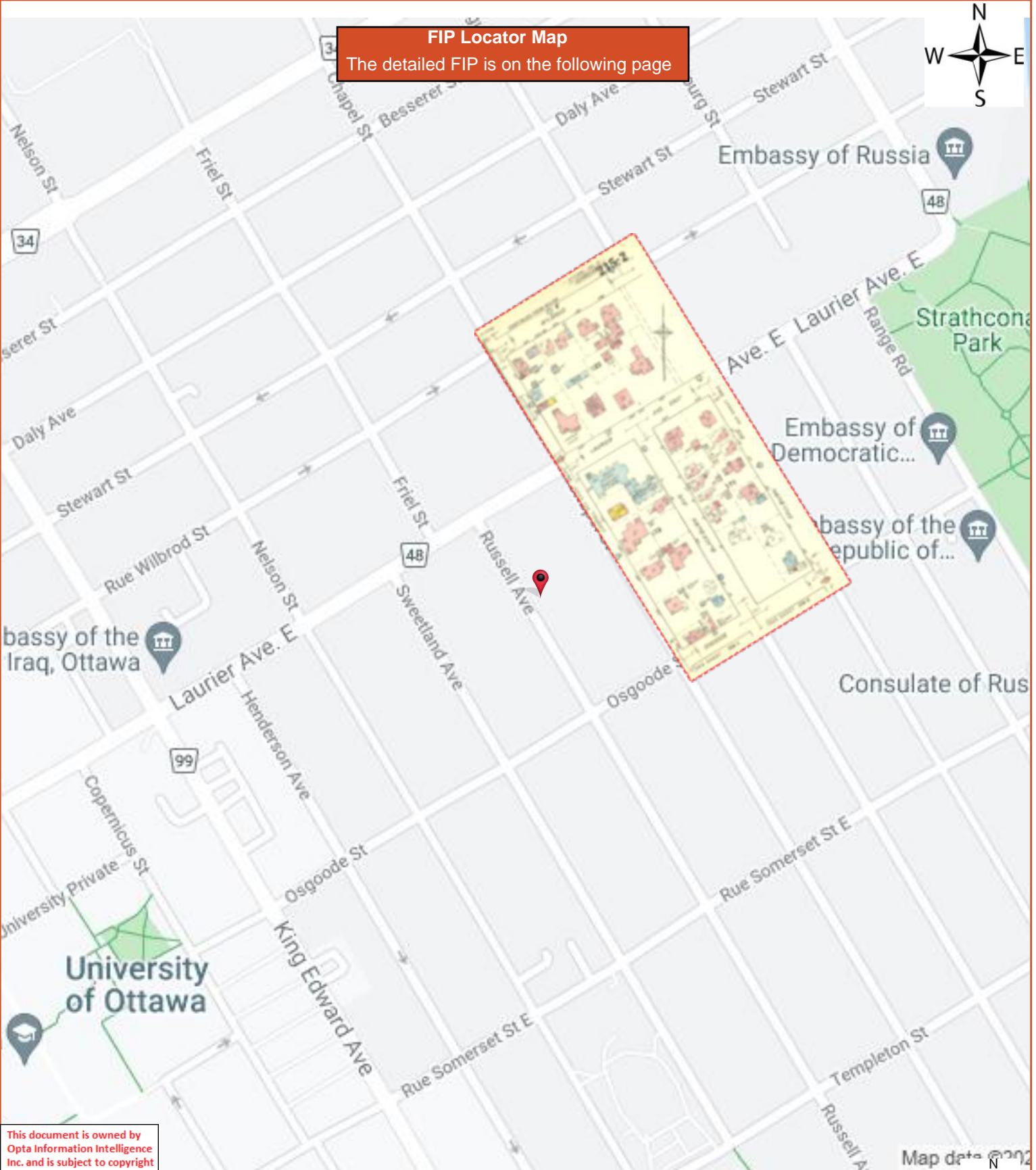


This document is owned by Opta Information Intelligence Inc. and is subject to copyright protection. Please see the full Terms and Conditions at the front of this document.

Map data © 2022





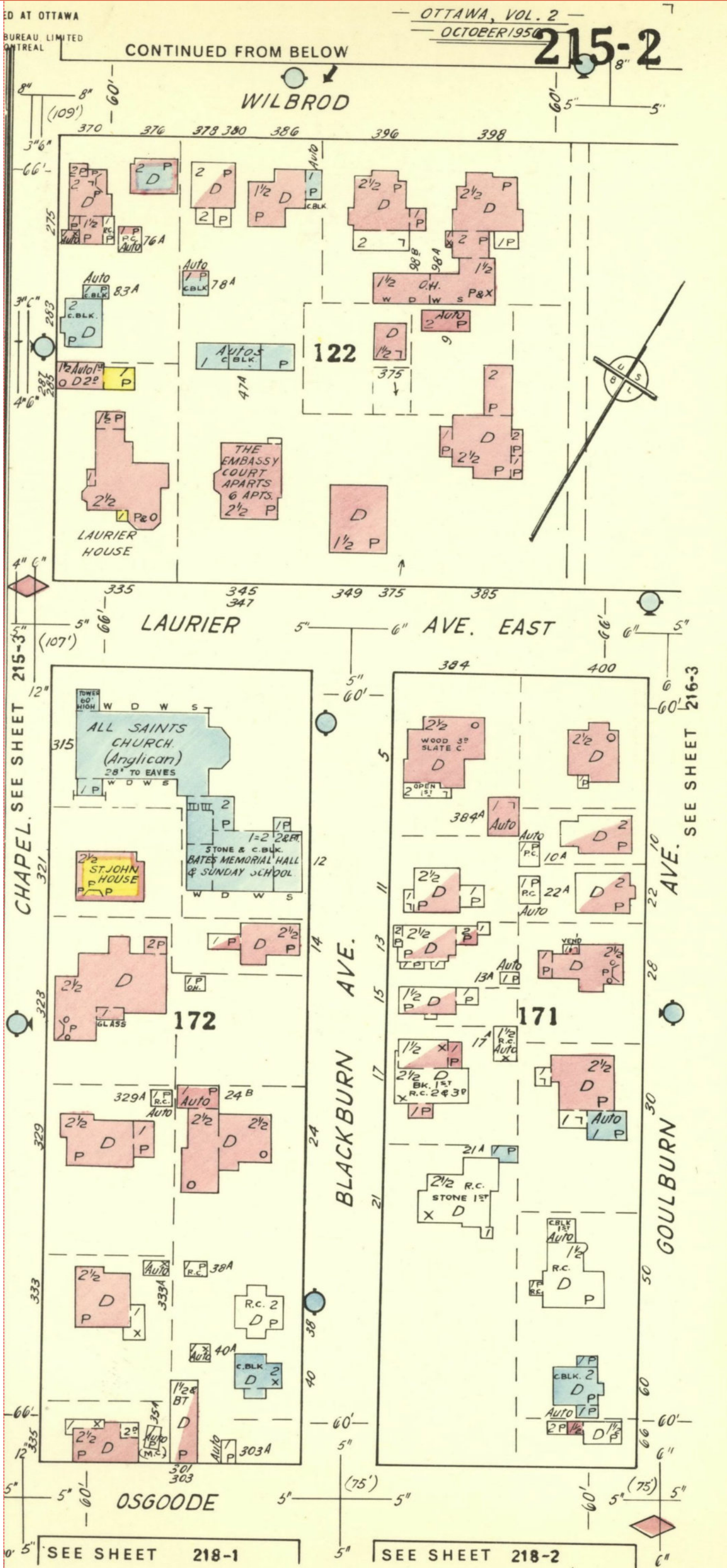


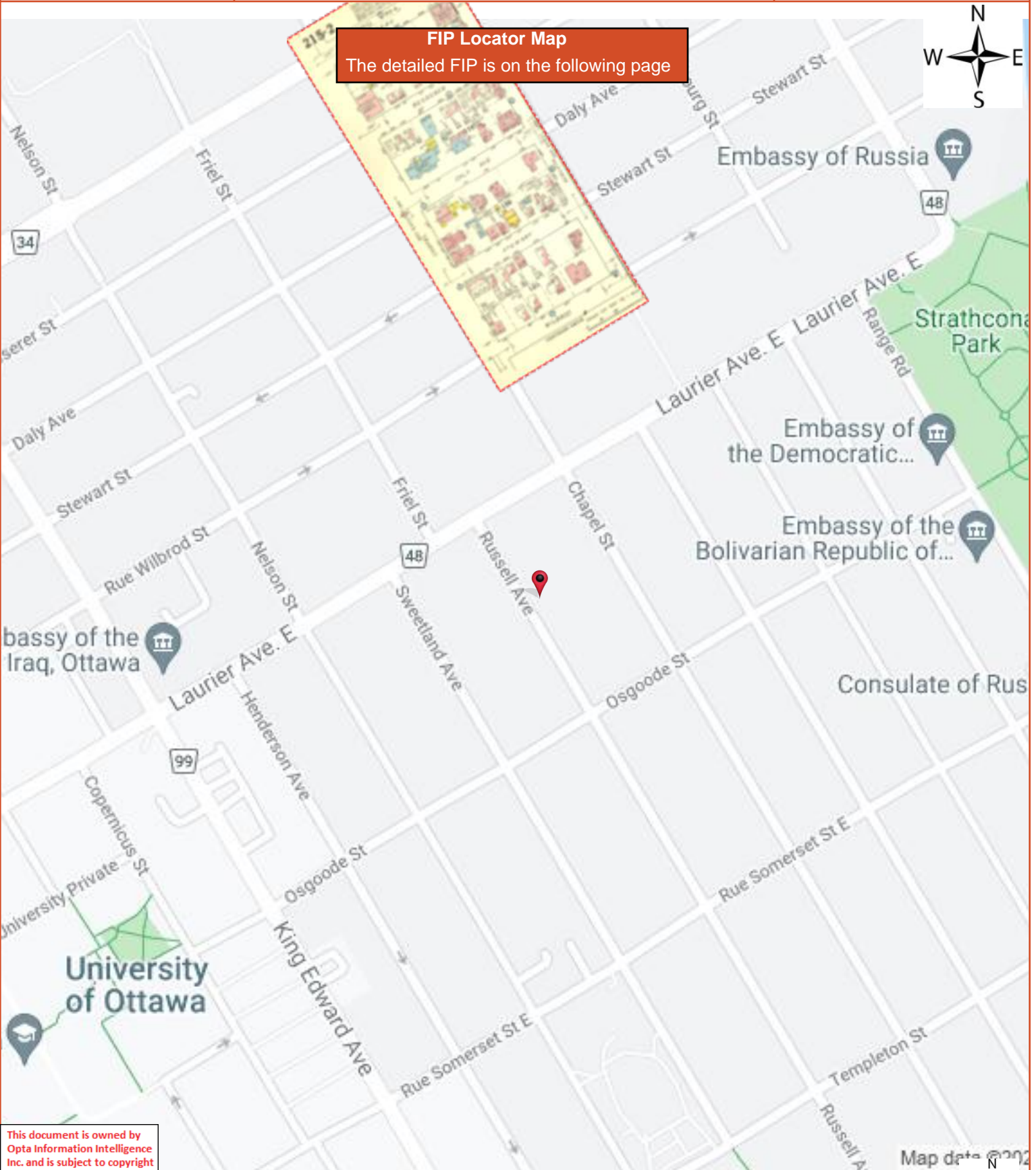
FIP Locator Map
The detailed FIP is on the following page

This document is owned by Opta Information Intelligence Inc. and is subject to copyright protection. Please see the full Terms and Conditions at the front of this document.

Map data © 2022







FIP Locator Map
The detailed FIP is on the following page

This document is owned by Opta Information Intelligence Inc. and is subject to copyright protection. Please see the full Terms and Conditions at the front of this document.

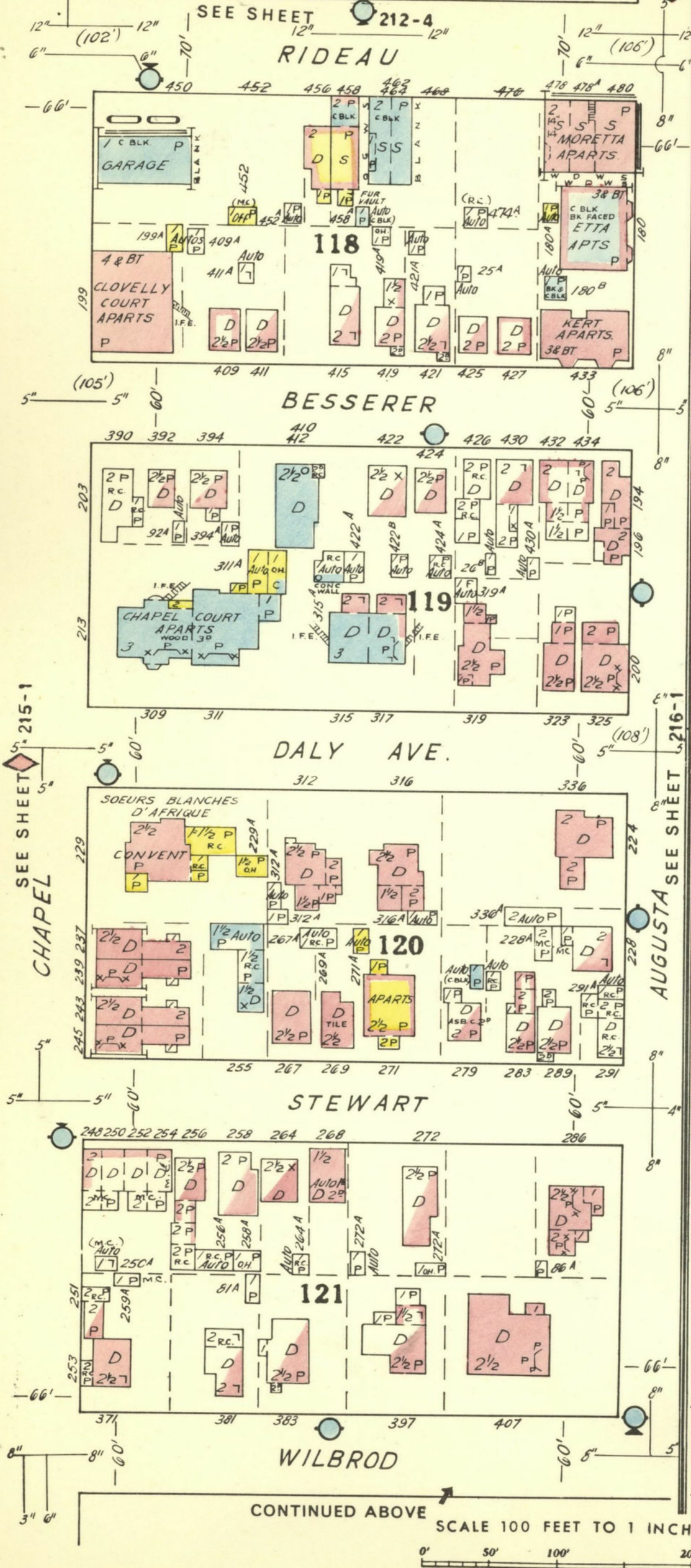
Map data © 2022



215-2

This plan is the property of the UNDERWRITERS' SURVEY BUREAU, LIMITED. (unauthorized reproduction prohibited) and is loaned on the following conditions: that the plan is to be kept in good order, that it is to be used only in connection with business of Companies, Members of the Canadian Underwriters' Association and is to be returned on request to the UNDERWRITERS' SURVEY BUREAU LIMITED Toronto and Montreal

COPYRIGHT REGISTERED BY THE UNDERWRITERS' SURVEY BUREAU LIMITED TORONTO AND MONTREAL





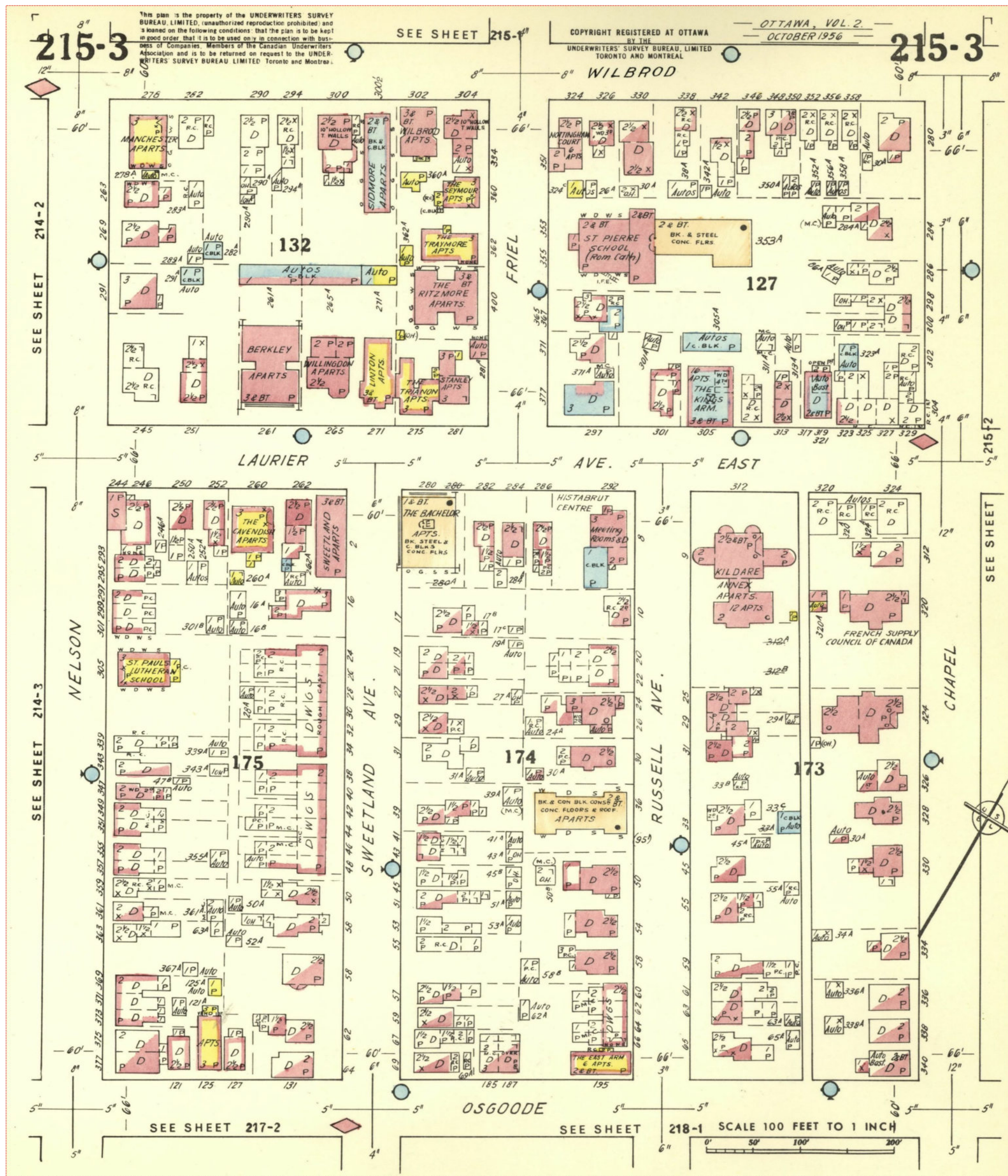
FIP Locator Map
The detailed FIP is on the following page

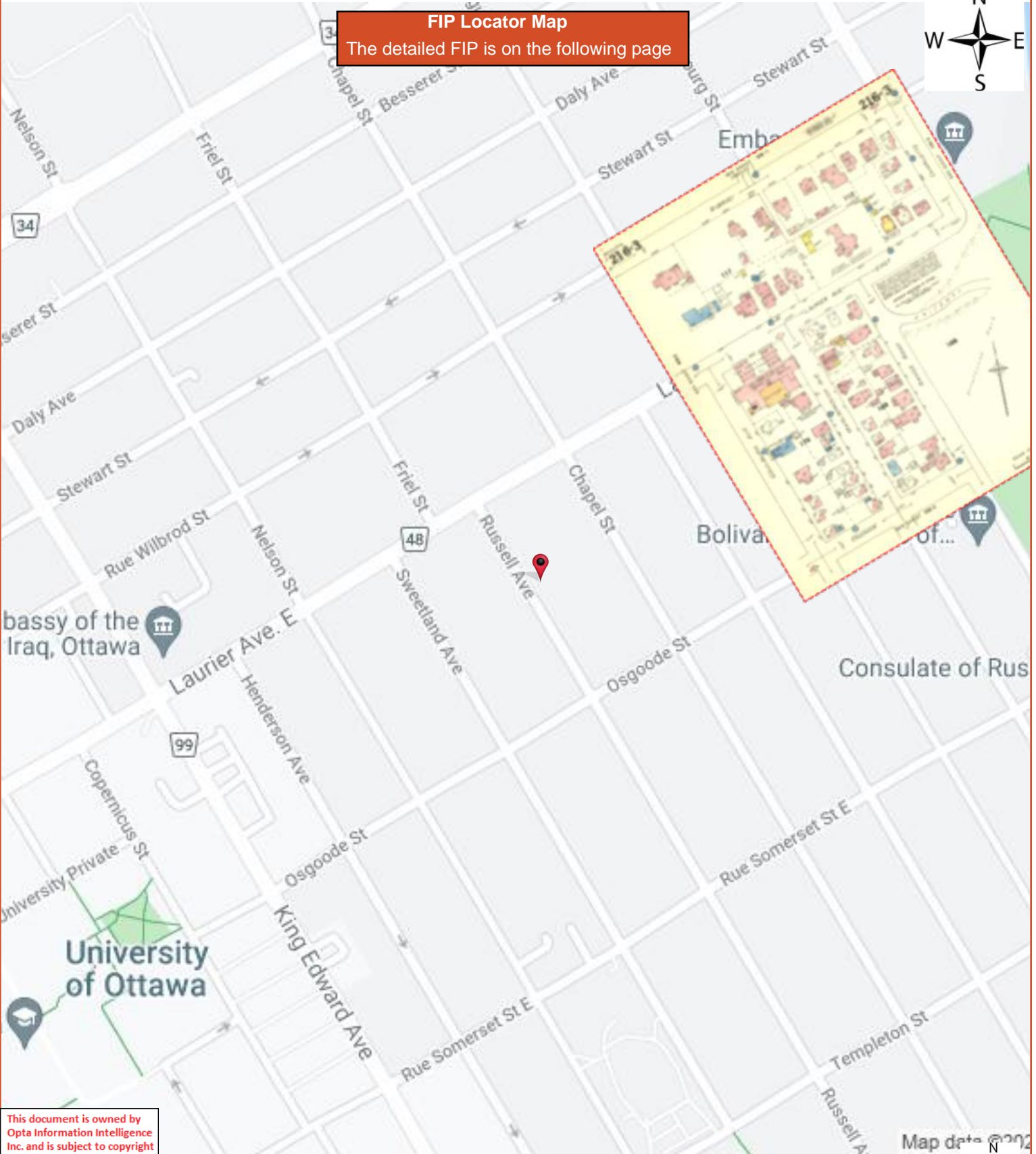


This document is owned by Opta Information Intelligence Inc. and is subject to copyright protection. Please see the full Terms and Conditions at the front of this document.

Map data © 2022

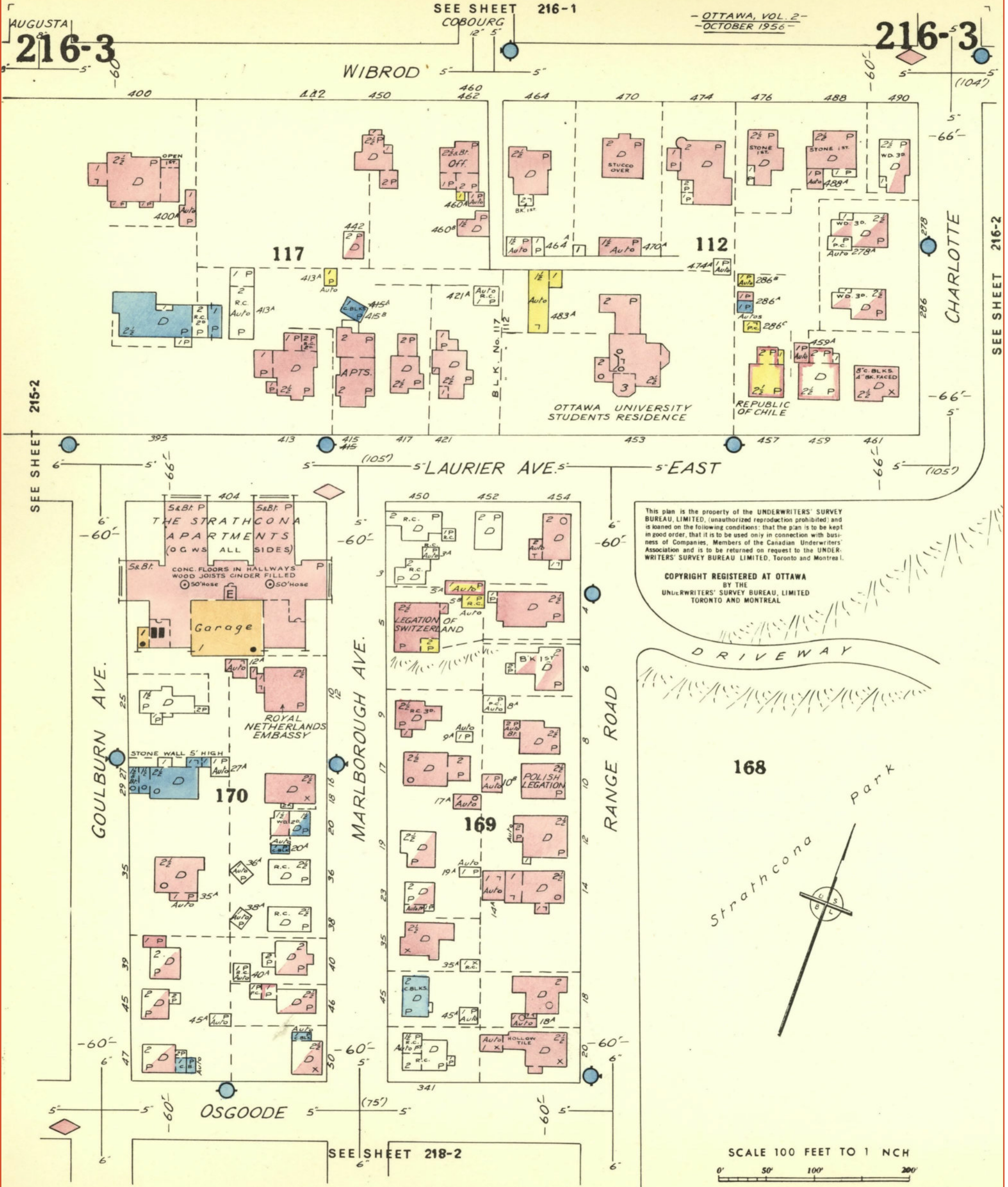






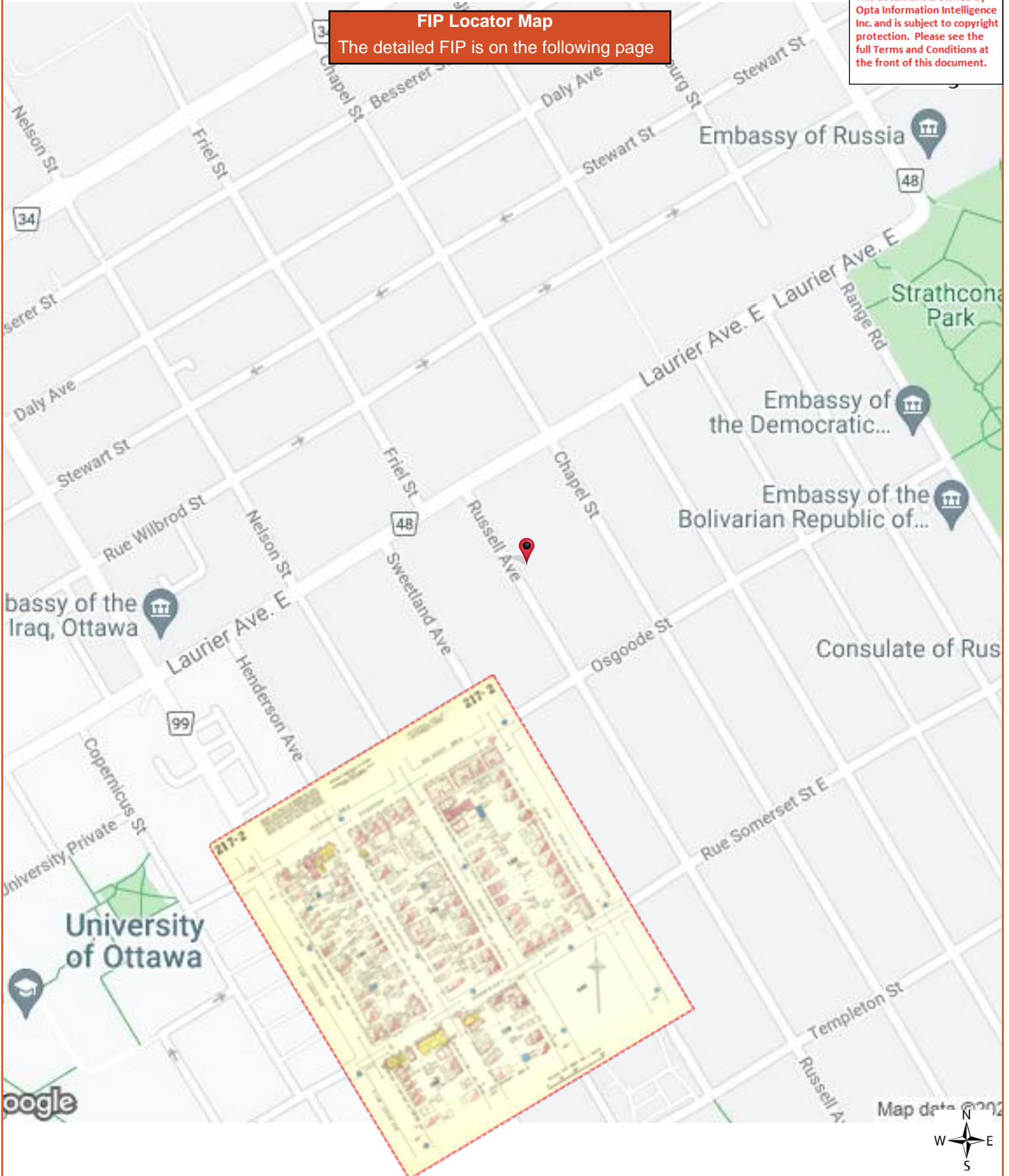
This document is owned by Opta Information Intelligence Inc. and is subject to copyright protection. Please see the full Terms and Conditions at the front of this document.

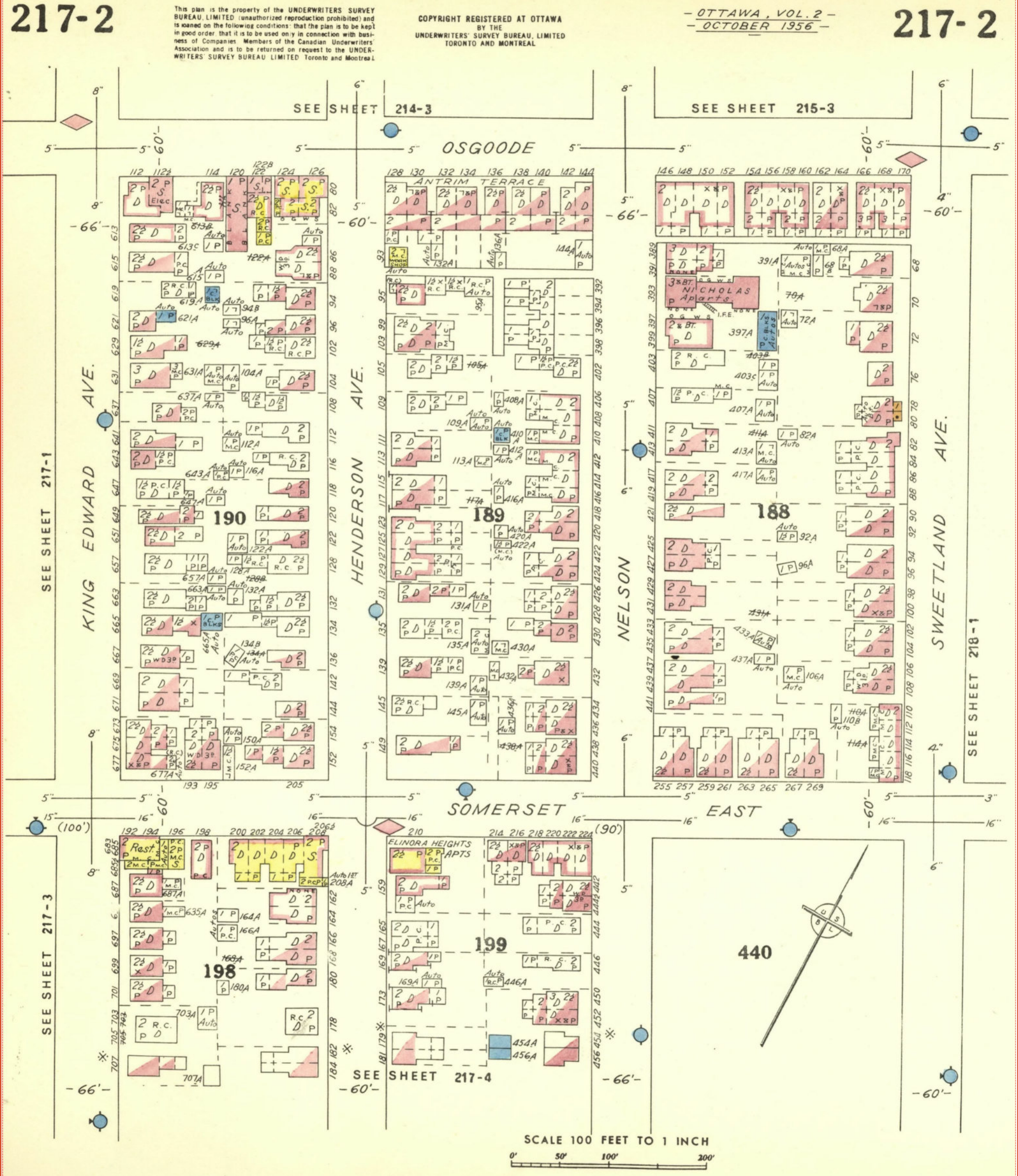




This document is owned by Opta Information Intelligence Inc. and is subject to copyright protection. Please see the full Terms and Conditions at the front of this document.

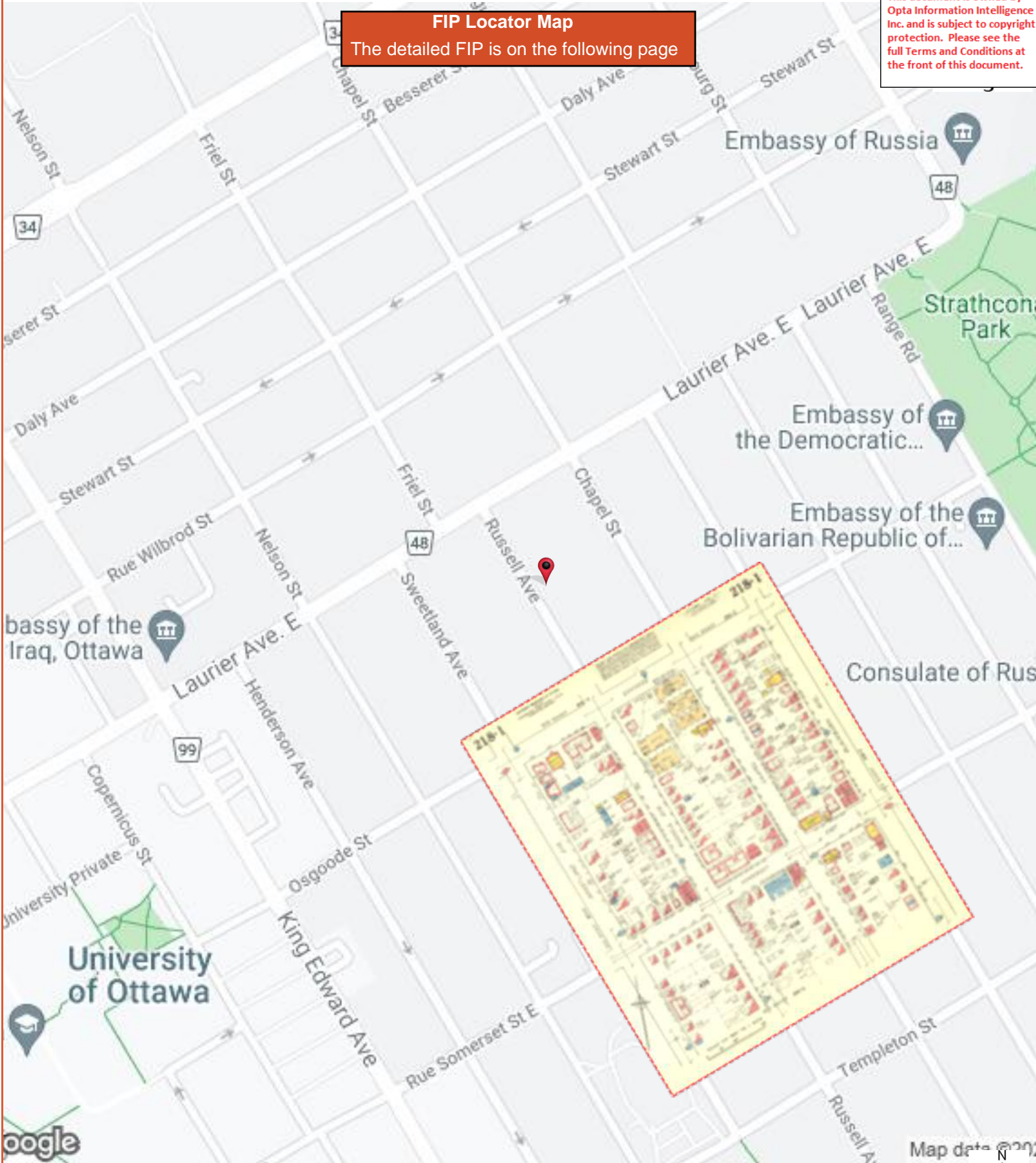
FIP Locator Map
The detailed FIP is on the following page

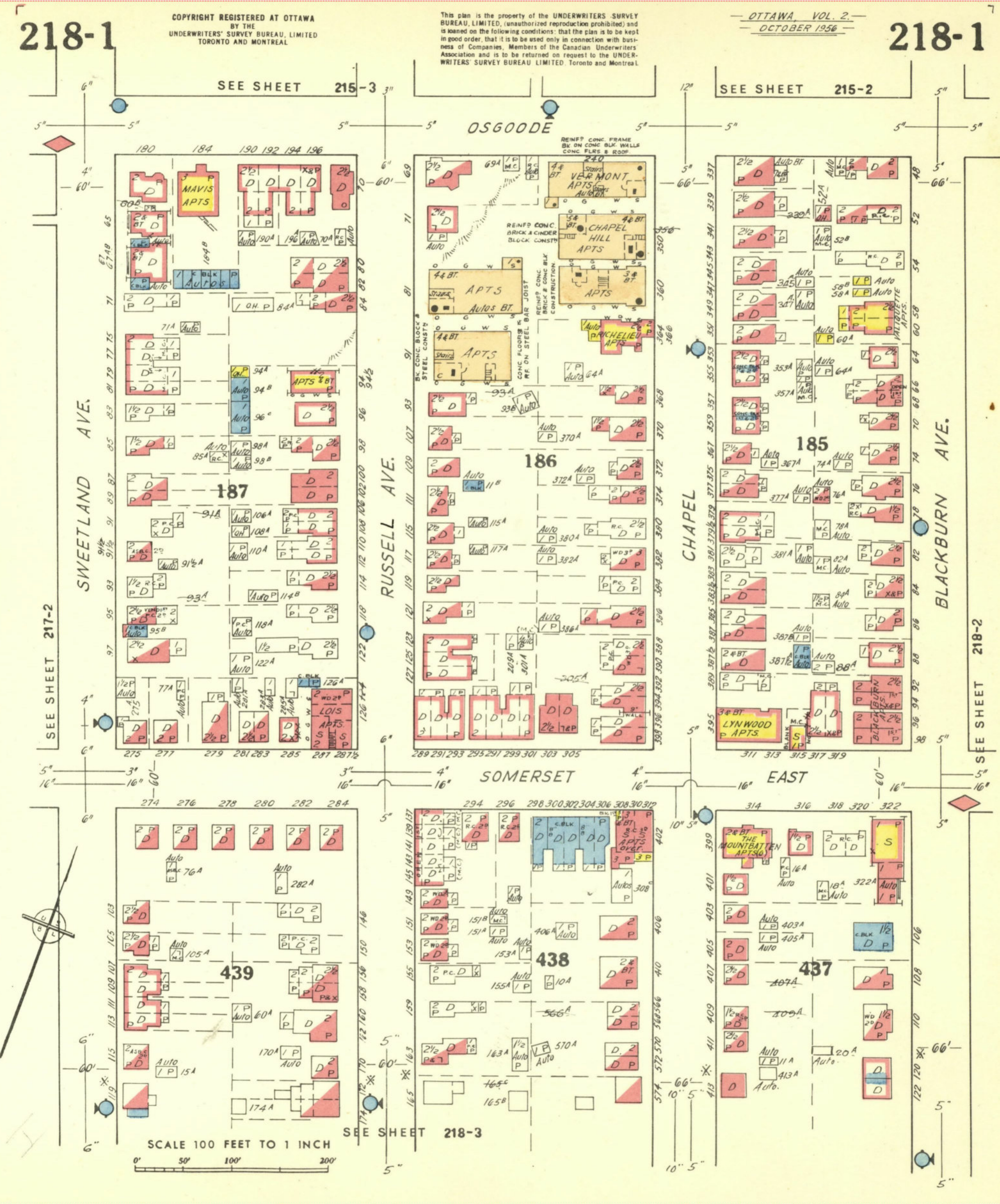




This document is owned by Opta Information Intelligence Inc. and is subject to copyright protection. Please see the full Terms and Conditions at the front of this document.

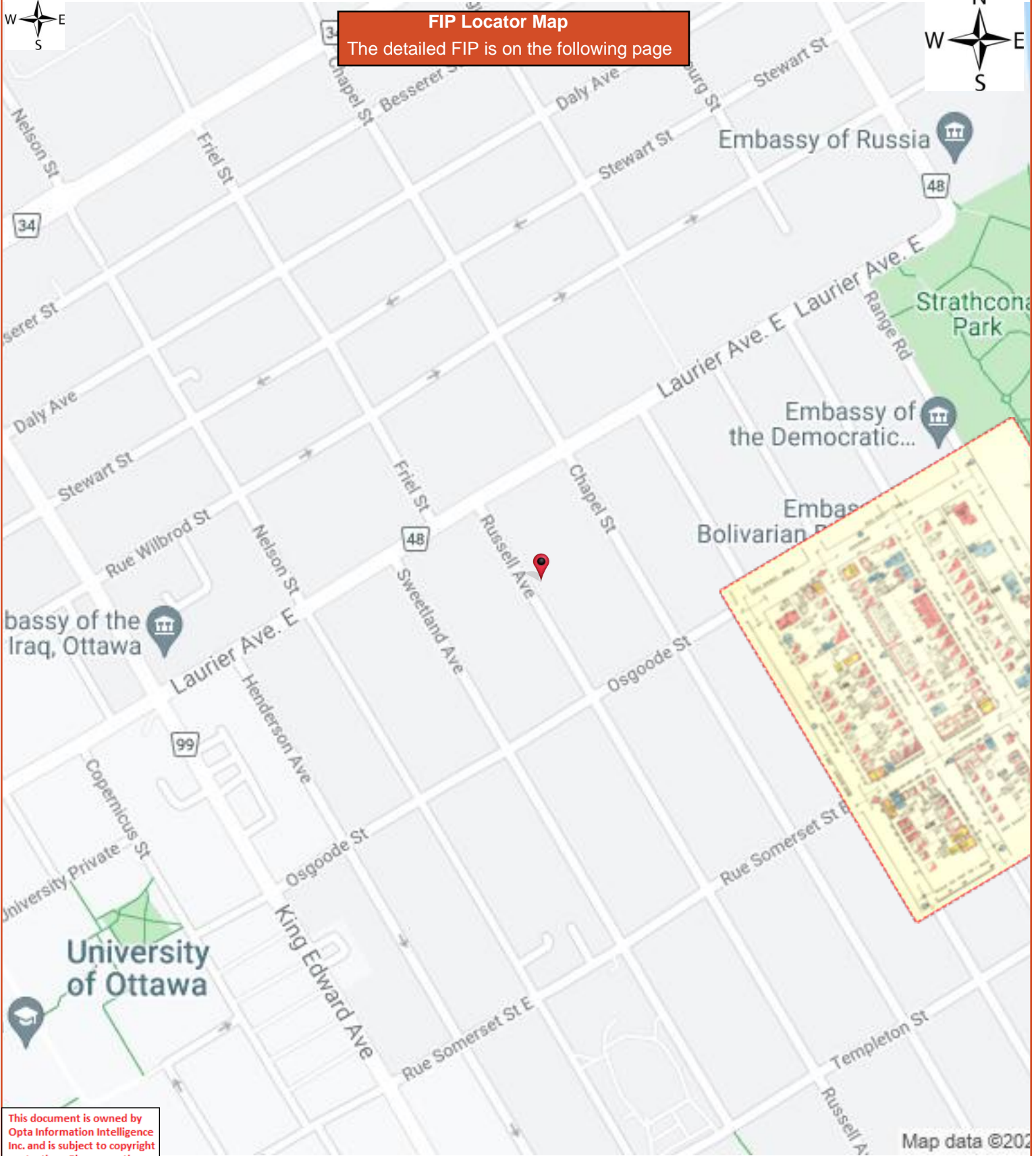
FIP Locator Map
The detailed FIP is on the following page



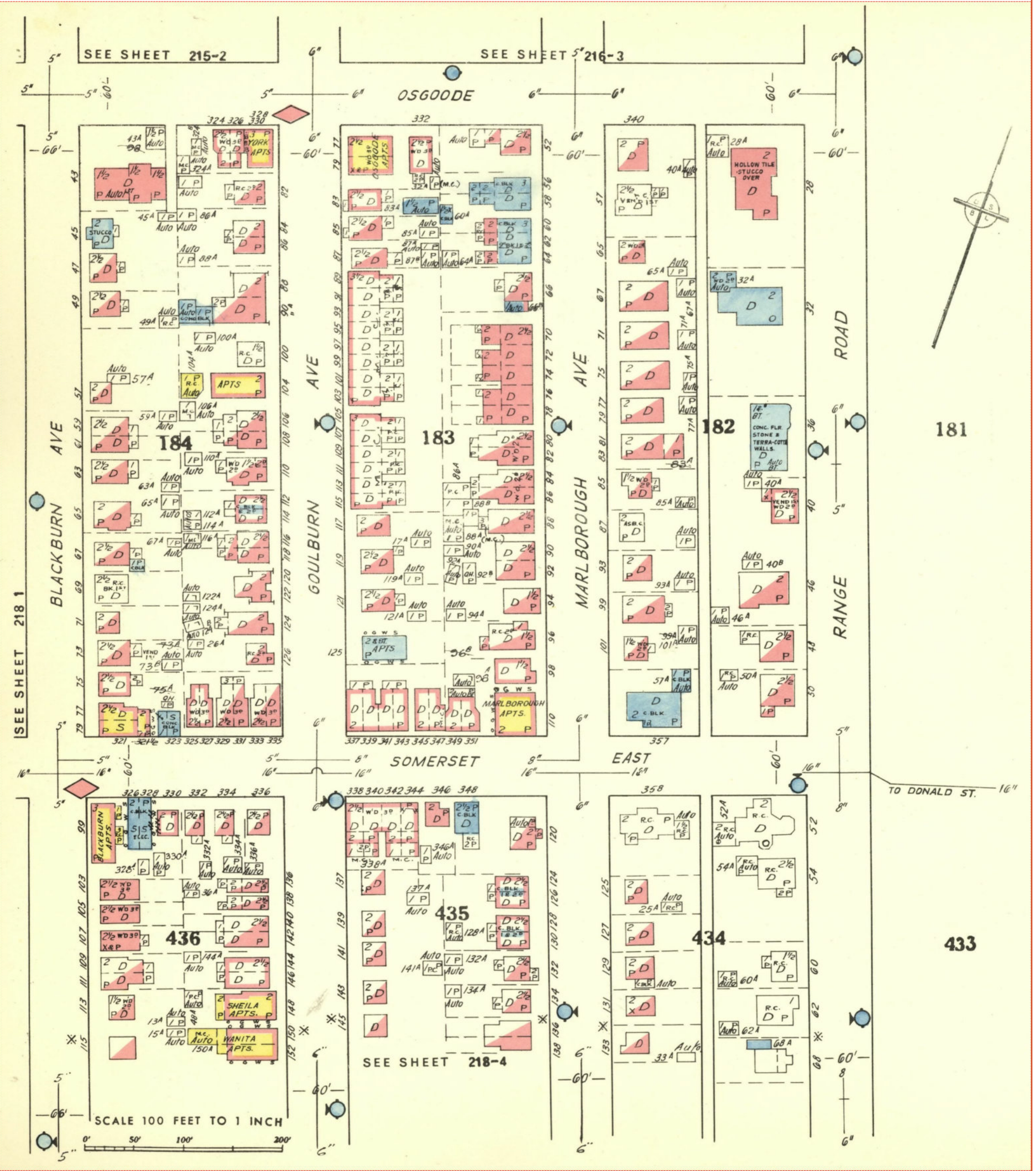


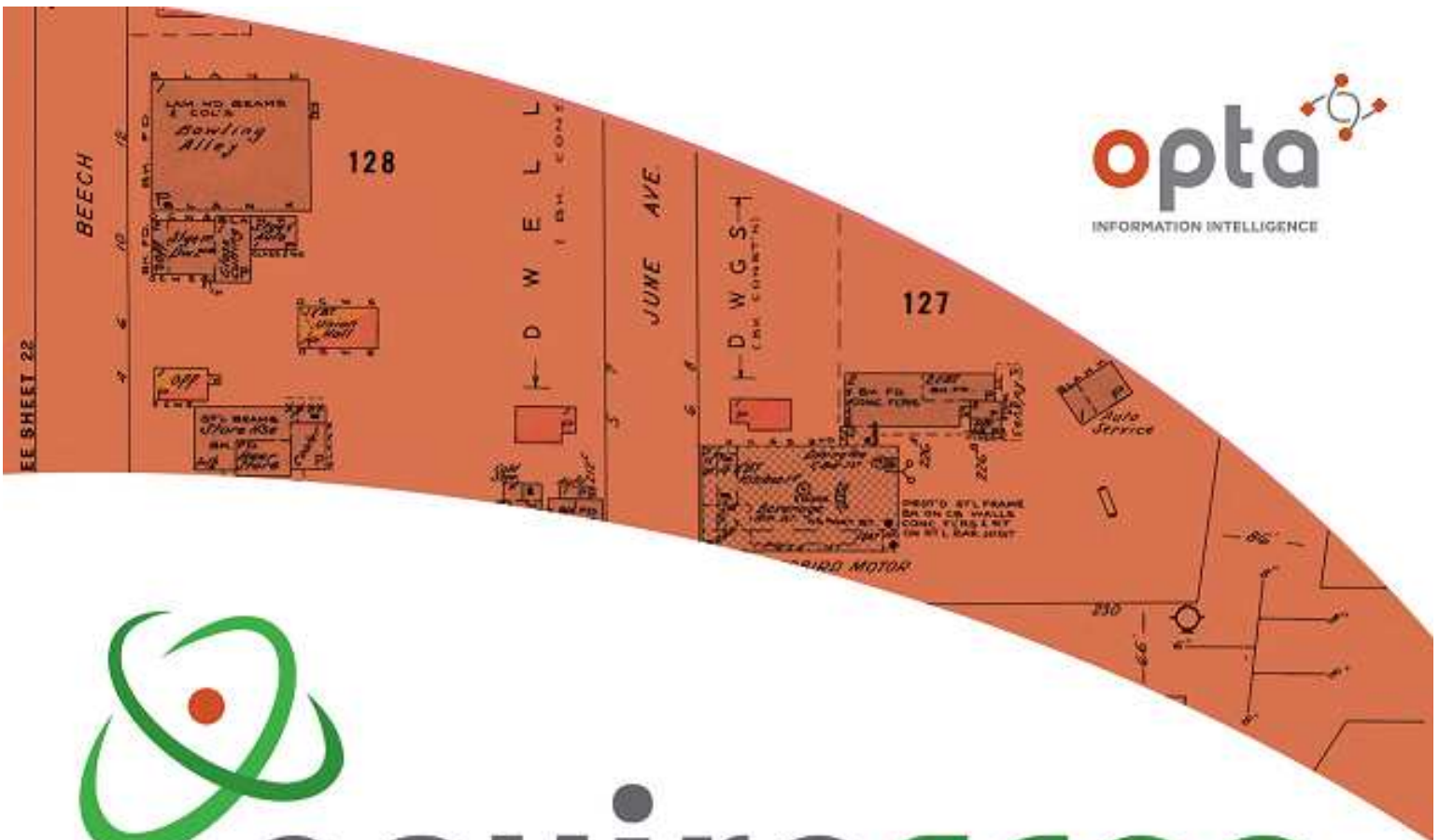


FIP Locator Map
The detailed FIP is on the following page



This document is owned by Opta Information Intelligence Inc. and is subject to copyright protection. Please see the full Terms and Conditions at the front of this document.





enviroscan



An SCM Company

175 Commerce Valley Drive W
Markham, Ontario L3T 7Z3

T: 905-882-6300
W: www.optaintel.ca

Report Completed By:
Stephanie

Site Address:

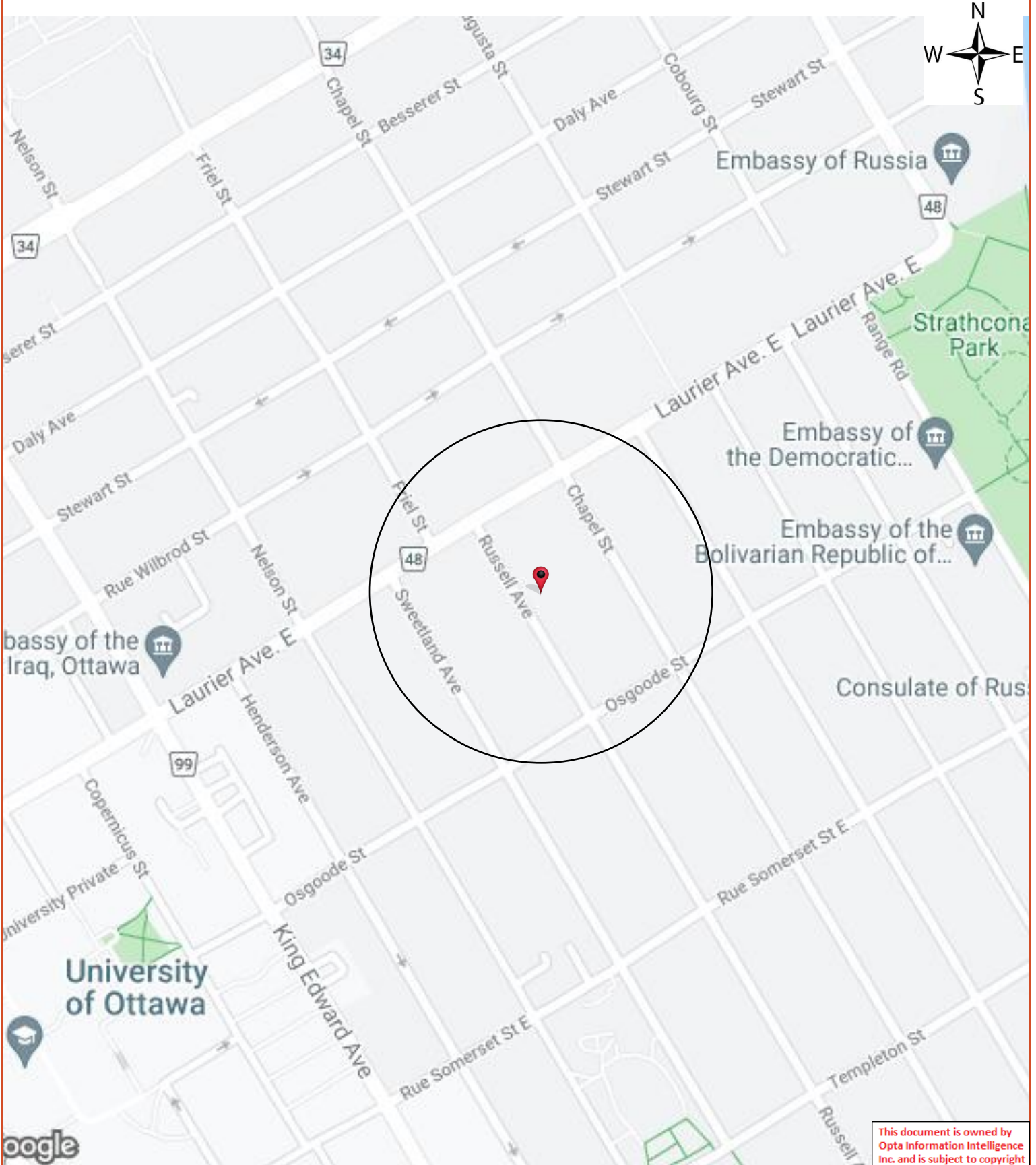
23 Russell Avenue Ottawa ON
Project No:

21082000174
Opta Order ID:

95047

Requested by:
Eleanor Goolab
Ecolog Eris

Date Completed:
8/26/2021 11:30:06 AM



This document is owned by Opta Information Intelligence Inc. and is subject to copyright protection. Please see the full Terms and Conditions at the front of this document.

Opta Historical Environmental Services EnviroscanTM Terms and Conditions

Report

The documents (hereinafter referred to as the "Documents") to be released as part of the report (hereinafter referred to as the "Report") to be delivered to the purchaser as set out above are documents in Opta's records relating to the described property (hereinafter referred to as the "Property"). Opta makes no representations or warranties respecting the Documents whatsoever, including, without limitation, with respect to the completeness, accuracy or usefulness of the Documents, and does not represent or warrant that these are the only plans and reports prepared in association with the Property or in Opta's possession at the time of Report delivery to the purchaser. The Documents are current as of the date(s) indicated on them. Interpretation of the Documents, if any, is by inference based upon the information which is apparent and obvious on the face of the Documents only. Opta does not represent, warrant or guarantee that interpretations other than those referred to do not exist from other sources. The Report will be prepared for use by the purchaser of the services as shown above hereof only.

Disclaimer

Opta disclaims responsibility for any losses or damages of any kind whatsoever, whether consequential or other, however caused, incurred or suffered, arising directly or indirectly as a result of the services (which services include, but are not limited to, the preparation of the Report provided hereunder), including but not limited to, any losses or damages arising directly or indirectly from any breach of contract, fundamental or otherwise, from reliance on Opta Reports or from any tortious acts or omissions of Opta's agents, employees or representatives.

Entire Agreement

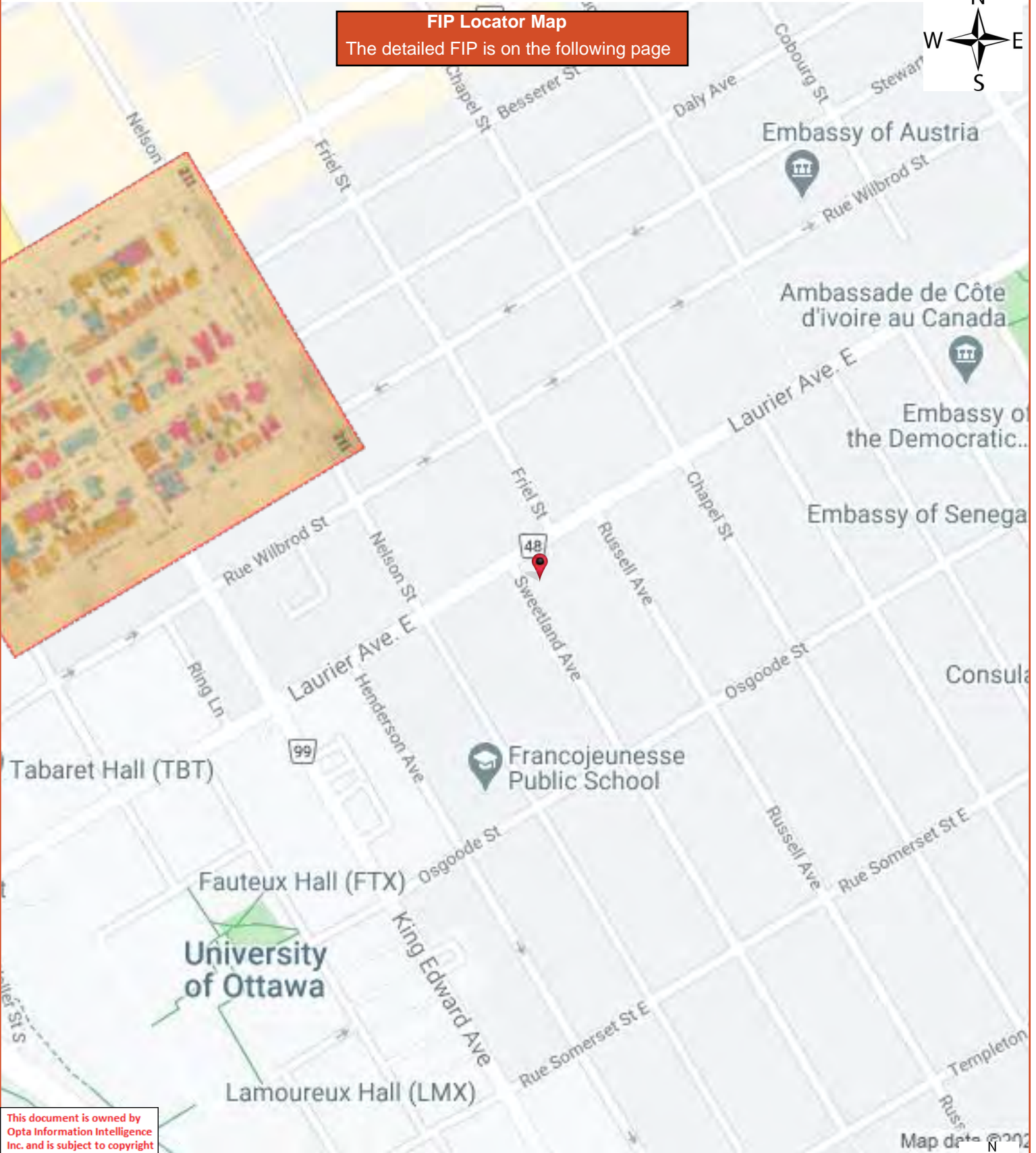
The parties hereto acknowledge and agree to be bound by the terms and conditions hereof. The request form constitutes the entire agreement between the parties pertaining to the subject matter hereof and supersedes all prior and contemporaneous agreements, negotiations and discussions, whether oral or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

Governing Document

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

Law

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

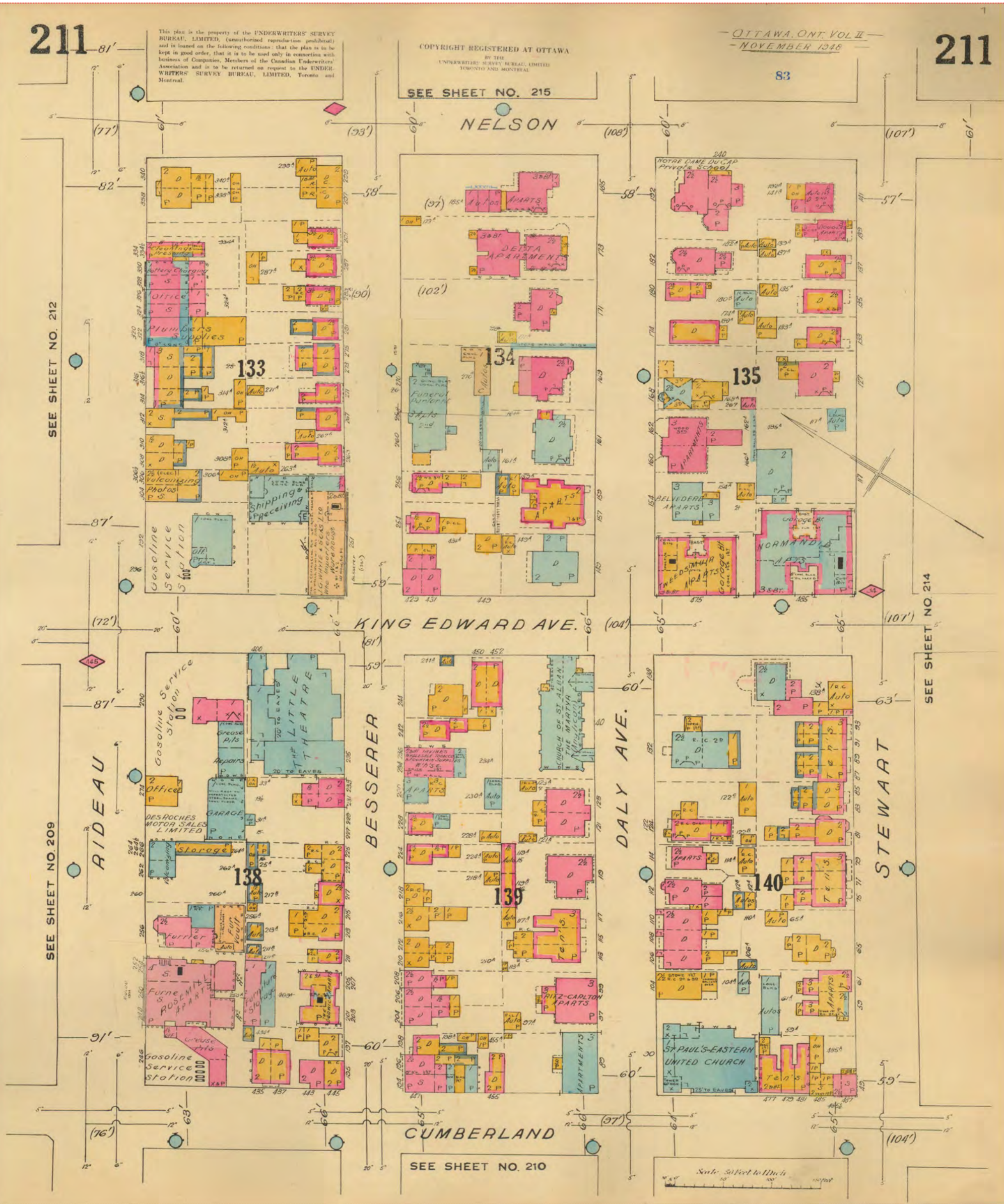


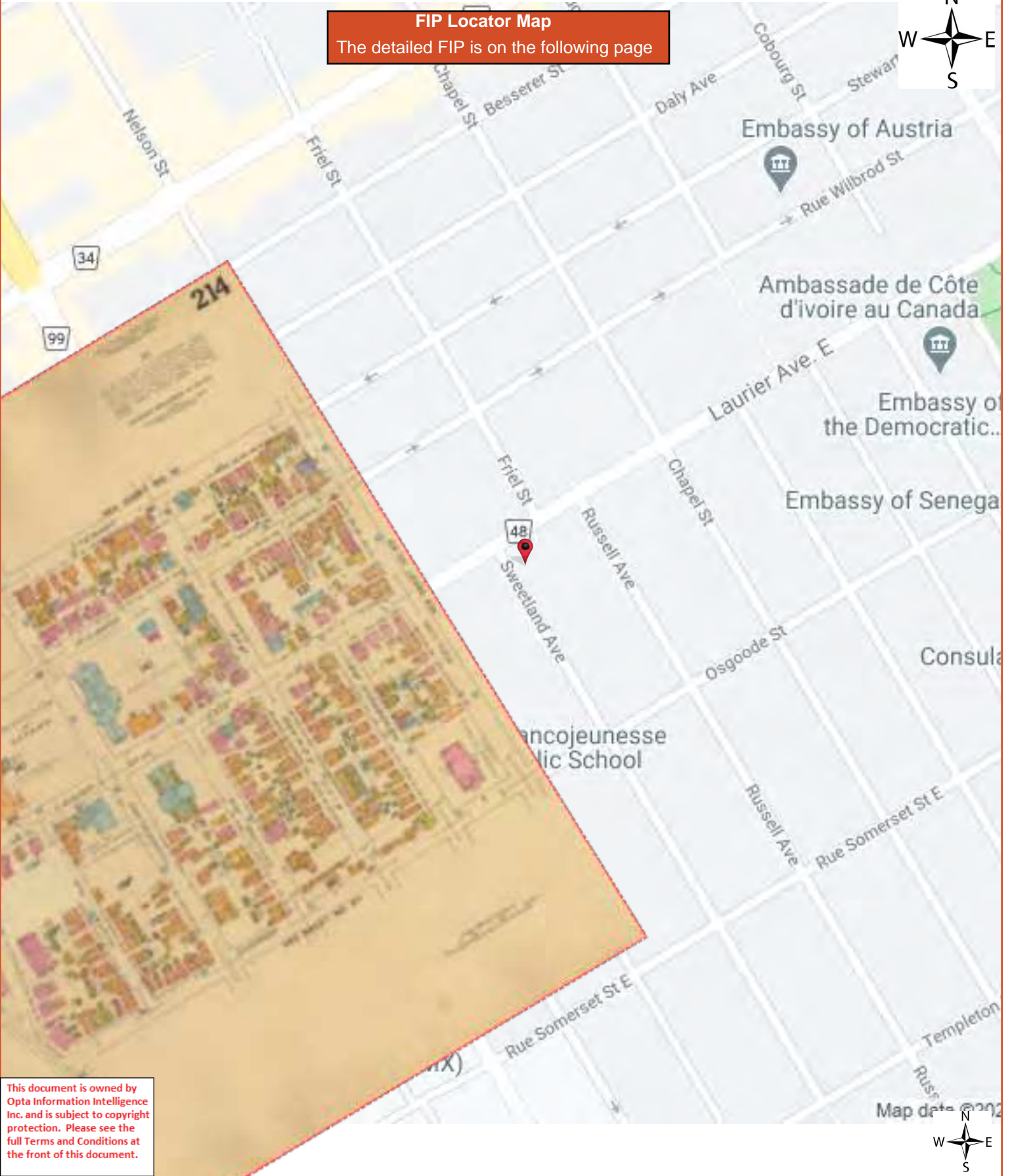
FIP Locator Map
The detailed FIP is on the following page



This document is owned by Opta Information Intelligence Inc. and is subject to copyright protection. Please see the full Terms and Conditions at the front of this document.







This document is owned by Opta Information Intelligence Inc. and is subject to copyright protection. Please see the full Terms and Conditions at the front of this document.

214

OTTAWA, ONT., VOL. II
-NOVEMBER 1948-

214

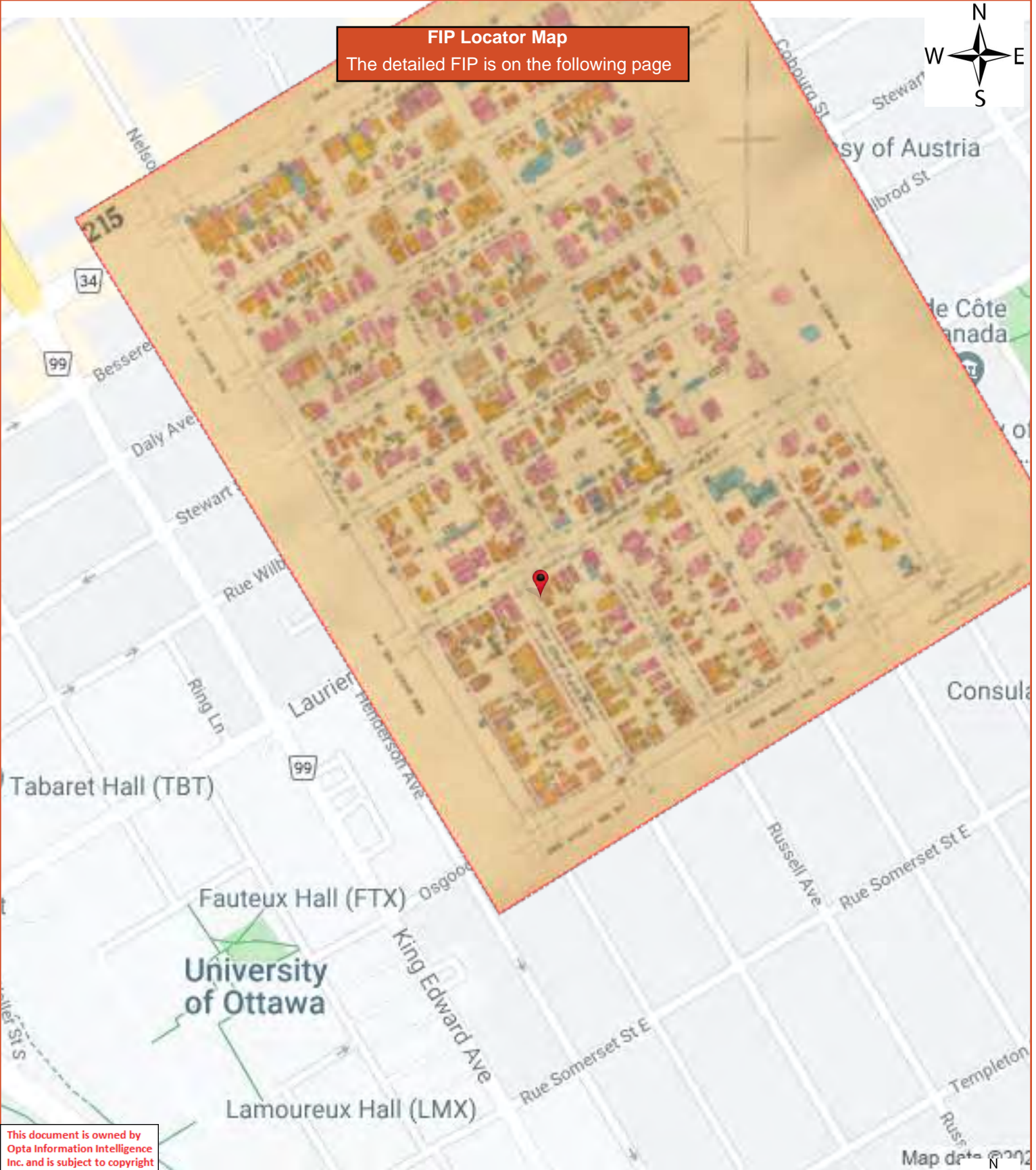
83

This plan is the property of the UNDERWRITERS' SURVEY BUREAU, LIMITED, (unauthorized reproduction prohibited) and is loaned on the following conditions: that the plan is to be kept in good order, that it is to be used only in connection with business of Companies, Members of the Canadian Underwriters' Association and is to be returned on request to the UNDERWRITERS' SURVEY BUREAU, LIMITED, Toronto and Montreal.

COPYRIGHT REGISTERED AT OTTAWA
BY THE
UNDERWRITERS' SURVEY BUREAU, LIMITED
TORONTO AND MONTREAL

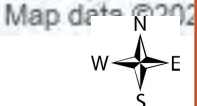


Scale 100 Feet to 1 Inch



FIP Locator Map
The detailed FIP is on the following page

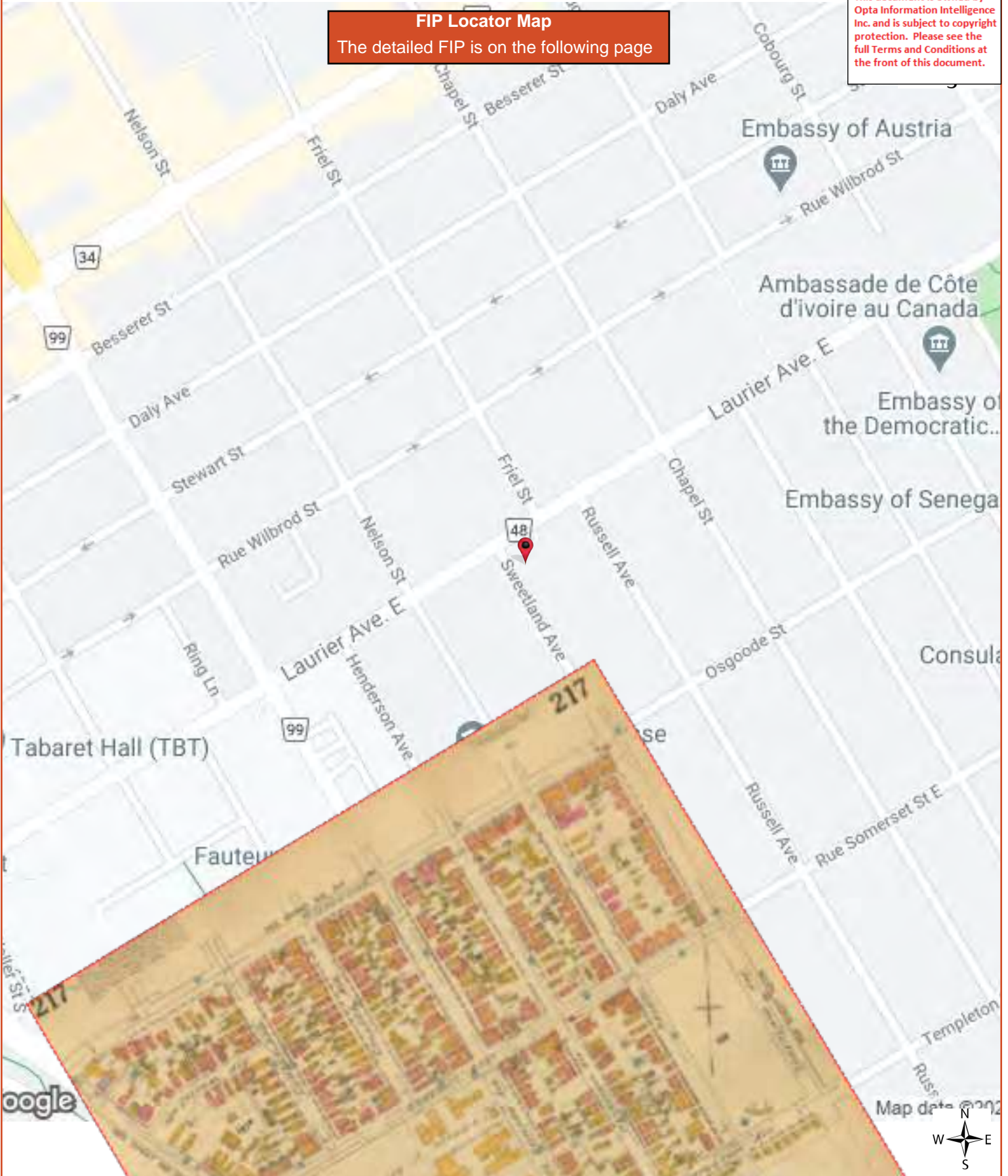
This document is owned by Opta Information Intelligence Inc. and is subject to copyright protection. Please see the full Terms and Conditions at the front of this document.

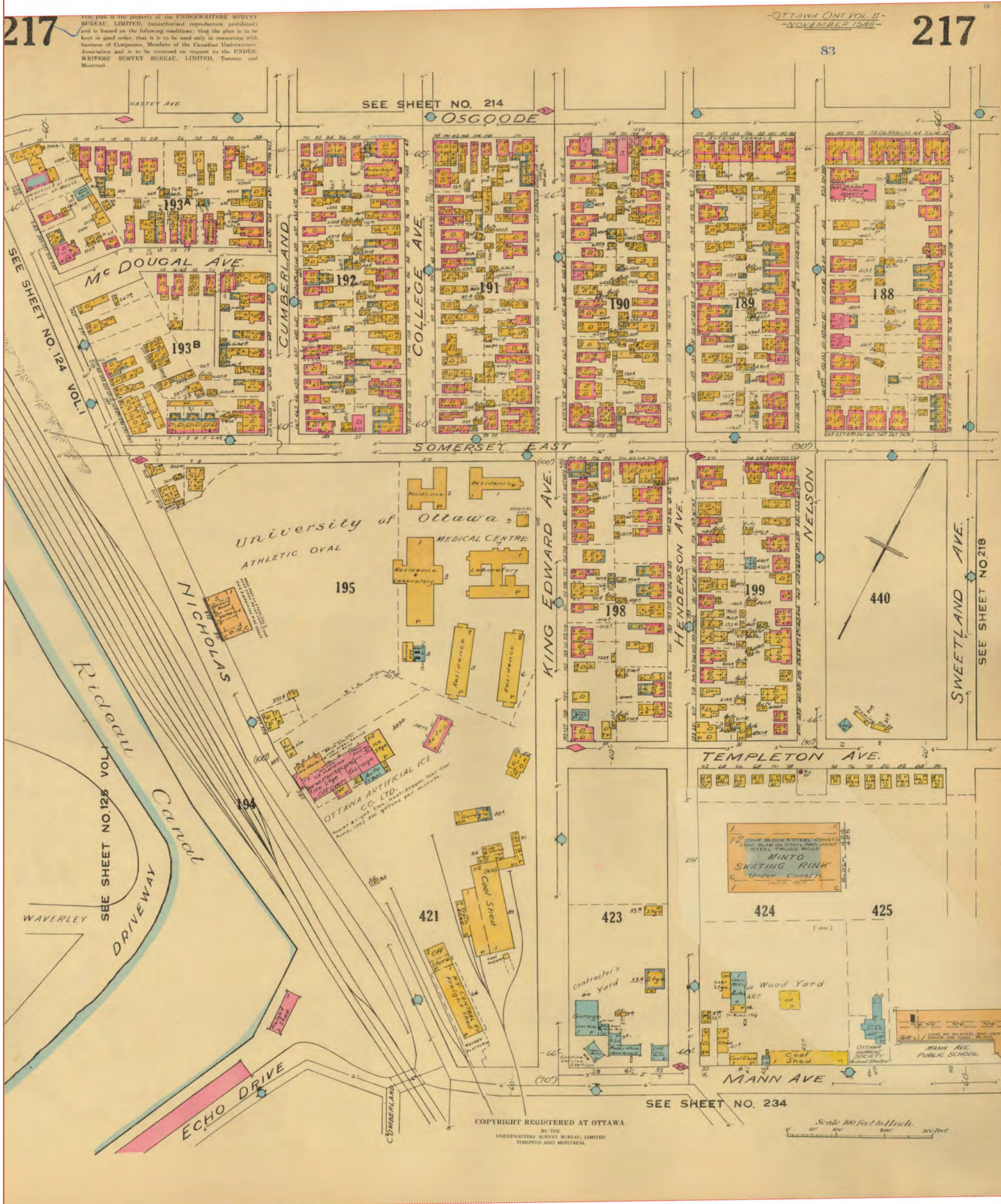




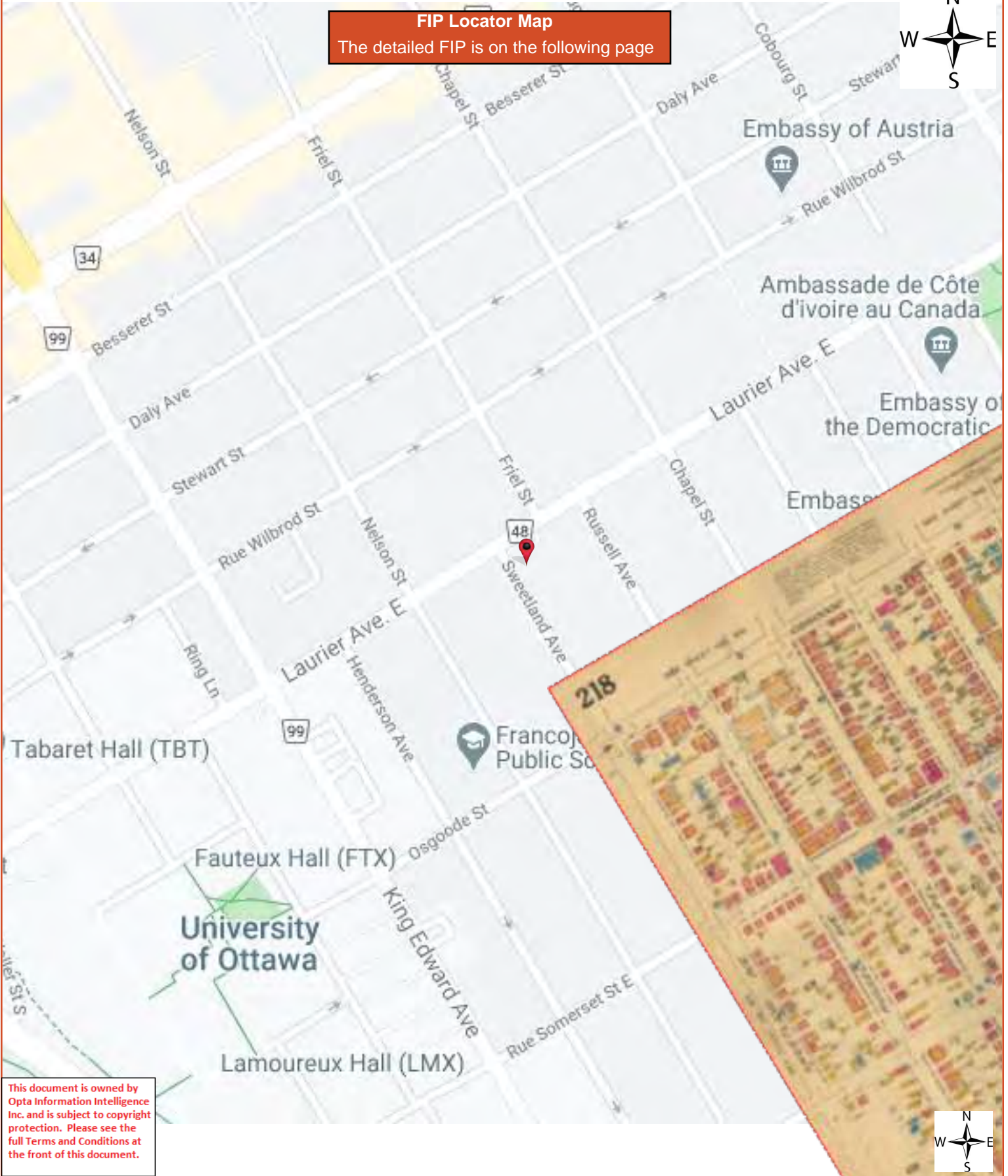
This document is owned by Opta Information Intelligence Inc. and is subject to copyright protection. Please see the full Terms and Conditions at the front of this document.

FIP Locator Map
The detailed FIP is on the following page



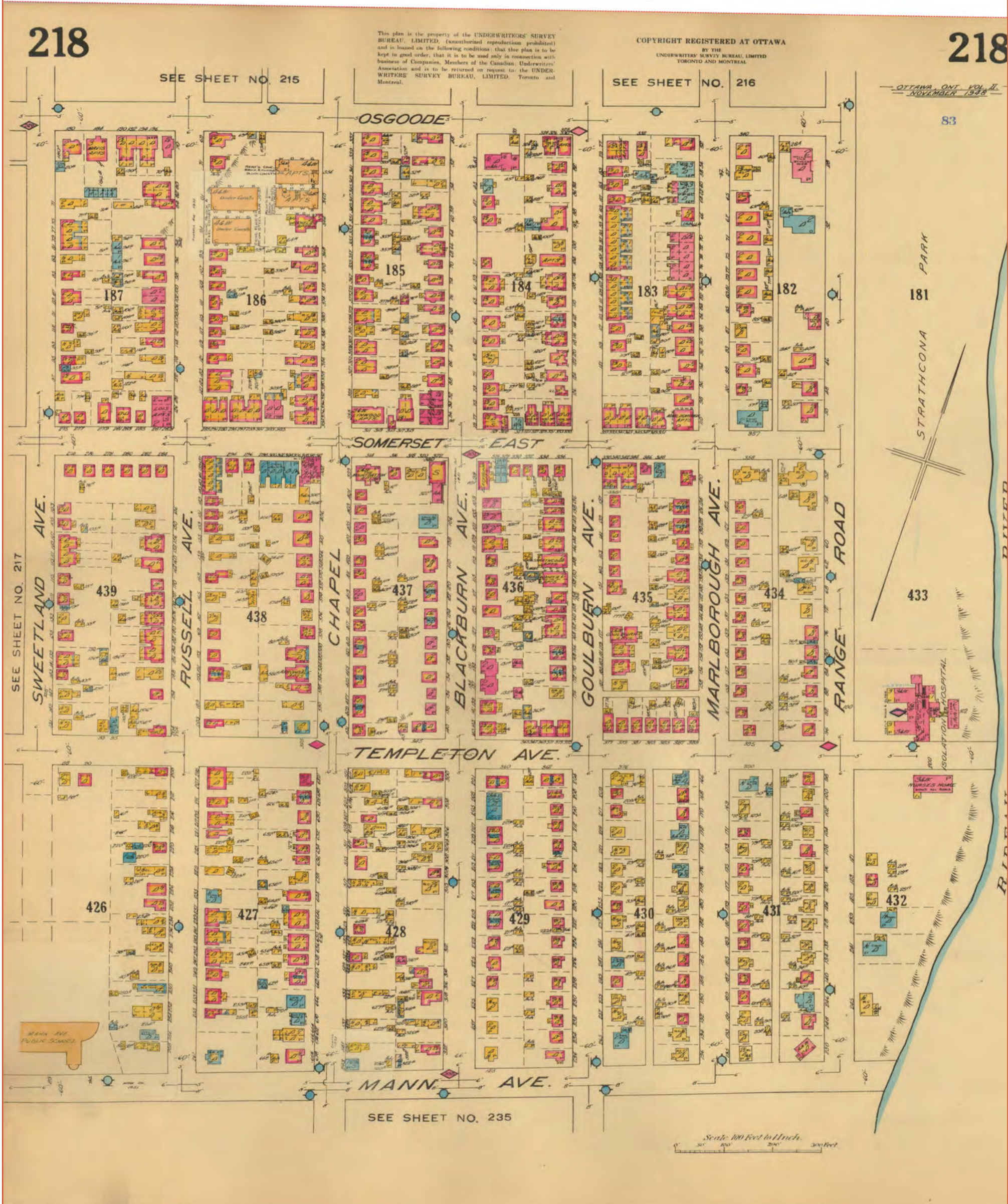


FIP Locator Map
The detailed FIP is on the following page



This document is owned by Opta Information Intelligence Inc. and is subject to copyright protection. Please see the full Terms and Conditions at the front of this document.





APPENDIX D
ERIS Report



DATABASE REPORT

Project Property: *29 Russell Ave Ottawa Ontario
29 Russell Ave Ottawa Ontario
Ottawa ON K1N 7W9*

Project No: *297563*

Report Type: *Standard Report*

Order No: *21081700047*

Requested by: *Pinchin Ltd.*

Date Completed: *August 20, 2021*

Table of Contents

Table of Contents.....	2
Executive Summary.....	3
Executive Summary: Report Summary.....	4
Executive Summary: Site Report Summary - Project Property.....	6
Executive Summary: Site Report Summary - Surrounding Properties.....	7
Executive Summary: Summary By Data Source.....	15
Map.....	26
Aerial.....	27
Topographic Map.....	28
Detail Report.....	29
Unplottable Summary.....	70
Unplottable Report.....	72
Appendix: Database Descriptions.....	78
Definitions.....	87

Notice: IMPORTANT LIMITATIONS and YOUR LIABILITY

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

License for use of information in Report: No page of this report can be used without this cover page, this notice and the project property identifier. The information in Report(s) may not be modified or re-sold.

Your Liability for misuse: Using this Service and/or its reports in a manner contrary to this Notice or your agreement will be in breach of copyright and contract and ERIS may obtain damages for such mis-use, including damages caused to third parties, and gives ERIS the right to terminate your account, rescind your license to any previous reports and to bar you from future use of the Service.

No warranty of Accuracy or Liability for ERIS: The information contained in this report has been produced by ERIS Information Limited Partnership ("ERIS") using various sources of information, including information provided by Federal and Provincial government departments. The report applies only to the address and up to the date specified on the cover of this report, and any alterations or deviation from this description will require a new report. This report and the data contained herein does not purport to be and does not constitute a guarantee of the accuracy of the information contained herein and does not constitute a legal opinion nor medical advice. Although ERIS has endeavored to present you with information that is accurate, ERIS disclaims, any and all liability for any errors, omissions, or inaccuracies in such information and data, whether attributable to inadvertence, negligence or otherwise, and for any consequences arising therefrom. Liability on the part of ERIS is limited to the monetary value paid for this report.

Trademark and Copyright: You may not use the ERIS trademarks or attribute any work to ERIS other than as outlined above. This Service and Report (s) are protected by copyright owned by ERIS Information Limited Partnership. Copyright in data used in the Service or Report(s) (the "Data") is owned by ERIS or its licensors. The Service, Report(s) and Data may not be copied or reproduced in whole or in any substantial part without prior written consent of ERIS.

Executive Summary

Property Information:

Project Property: 29 Russell Ave Ottawa Ontario
29 Russell Ave Ottawa Ontario Ottawa ON K1N 7W9

Project No: 297563

Coordinates:

Latitude: 45.4263242
Longitude: -75.6783036
UTM Northing: 5,030,535.14
UTM Easting: 446,937.26
UTM Zone: UTM Zone 18T

Elevation: 238 FT
72.45 M

Order Information:

Order No: 21081700047
Date Requested: August 17, 2021
Requested by: Pinchin Ltd.
Report Type: Standard Report

Historical/Products:

Aerial Photographs Aerials - National Collection
ERIS Xplorer [ERIS Xplorer](#)
Insurance Products Fire Insurance Maps/Inspection Reports/Site Plans
Physical Setting Report (PSR) PSR
Topographic Map ANSI Map & Ontario Base Map (OBM)

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	2	2
CA	<i>Certificates of Approval</i>	Y	0	6	6
CDRY	<i>Dry Cleaning Facilities</i>	Y	0	0	0
CFOT	<i>Commercial Fuel Oil Tanks</i>	Y	0	0	0
CHEM	<i>Chemical Manufacturers and Distributors</i>	Y	0	0	0
CHM	<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
DTNK	<i>Delisted Fuel Tanks</i>	Y	0	0	0
EASR	<i>Environmental Activity and Sector Registry</i>	Y	0	0	0
EBR	<i>Environmental Registry</i>	Y	0	1	1
ECA	<i>Environmental Compliance Approval</i>	Y	0	7	7
EEM	<i>Environmental Effects Monitoring</i>	Y	0	0	0
EHS	<i>ERIS Historical Searches</i>	Y	0	48	48
EIIS	<i>Environmental Issues Inventory System</i>	Y	0	0	0
EMHE	<i>Emergency Management Historical Event</i>	Y	0	0	0
EPAR	<i>Environmental Penalty Annual Report</i>	Y	0	0	0
EXP	<i>List of Expired Fuels Safety Facilities</i>	Y	0	0	0
FCON	<i>Federal Convictions</i>	Y	0	0	0
FCS	<i>Contaminated Sites on Federal Land</i>	Y	0	0	0
FOFT	<i>Fisheries & Oceans Fuel Tanks</i>	Y	0	0	0
FRST	<i>Federal Identification Registry for Storage Tank Systems (FIRSTS)</i>	Y	0	0	0
FST	<i>Fuel Storage Tank</i>	Y	0	0	0
FSTH	<i>Fuel Storage Tank - Historic</i>	Y	0	0	0
GEN	<i>Ontario Regulation 347 Waste Generators Summary</i>	Y	0	13	13
GHG	<i>Greenhouse Gas Emissions from Large Facilities</i>	Y	0	0	0
HINC	<i>TSSA Historic Incidents</i>	Y	0	0	0
IAFT	<i>Indian & Northern Affairs Fuel Tanks</i>	Y	0	0	0

Database	Name	Searched	Project Property	Within 0.25 km	Total
INC	<i>Fuel Oil Spills and Leaks</i>	Y	0	2	2
LIMO	<i>Landfill Inventory Management Ontario</i>	Y	0	0	0
MINE	<i>Canadian Mine Locations</i>	Y	0	0	0
MNR	<i>Mineral Occurrences</i>	Y	0	0	0
NATE	<i>National Analysis of Trends in Emergencies System (NATES)</i>	Y	0	0	0
NCPL	<i>Non-Compliance Reports</i>	Y	0	0	0
NDFT	<i>National Defense & Canadian Forces Fuel Tanks</i>	Y	0	0	0
NDSP	<i>National Defense & Canadian Forces Spills</i>	Y	0	0	0
NDWD	<i>National Defence & Canadian Forces Waste Disposal Sites</i>	Y	0	0	0
NEBI	<i>National Energy Board Pipeline Incidents</i>	Y	0	0	0
NEBP	<i>National Energy Board Wells</i>	Y	0	0	0
NEES	<i>National Environmental Emergencies System (NEES)</i>	Y	0	0	0
NPCB	<i>National PCB Inventory</i>	Y	0	0	0
NPRI	<i>National Pollutant Release Inventory</i>	Y	0	1	1
OGWE	<i>Oil and Gas Wells</i>	Y	0	0	0
OGW	<i>Ontario Oil and Gas Wells</i>	Y	0	0	0
OPCB	<i>Inventory of PCB Storage Sites</i>	Y	0	0	0
ORD	<i>Orders</i>	Y	0	0	0
PAP	<i>Canadian Pulp and Paper</i>	Y	0	0	0
PCFT	<i>Parks Canada Fuel Storage Tanks</i>	Y	0	0	0
PES	<i>Pesticide Register</i>	Y	0	0	0
PINC	<i>Pipeline Incidents</i>	Y	0	3	3
PRT	<i>Private and Retail Fuel Storage Tanks</i>	Y	0	0	0
PTTW	<i>Permit to Take Water</i>	Y	0	0	0
REC	<i>Ontario Regulation 347 Waste Receivers Summary</i>	Y	0	0	0
RSC	<i>Record of Site Condition</i>	Y	0	0	0
RST	<i>Retail Fuel Storage Tanks</i>	Y	0	0	0
SCT	<i>Scott's Manufacturing Directory</i>	Y	0	3	3
SPL	<i>Ontario Spills</i>	Y	0	9	9
SRDS	<i>Wastewater Discharger Registration Database</i>	Y	0	0	0
TANK	<i>Anderson's Storage Tanks</i>	Y	0	0	0
TCFT	<i>Transport Canada Fuel Storage Tanks</i>	Y	0	0	0
VAR	<i>Variances for Abandonment of Underground Storage Tanks</i>	Y	0	0	0
WDS	<i>Waste Disposal Sites - MOE CA Inventory</i>	Y	0	0	0
WDSH	<i>Waste Disposal Sites - MOE 1991 Historical Approval Inventory</i>	Y	0	0	0
WWIS	<i>Water Well Information System</i>	Y	0	3	3
Total:			0	98	98

Executive Summary: Site Report Summary - Project Property

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

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

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
1	EHS		36 Russell Ave Ottawa ON	SSW/41.5	-0.52	29
2	WWIS		324 CHAPEL ST OTTAWA ON Well ID: 7044389	ENE/50.5	-1.40	29
3	EHS		50 Russell Ave Ottawa ON K1N 7W8	SSW/70.1	-1.00	31
3	EHS		50 Russell Ave Ottawa ON K1N7W8	SSW/70.1	-1.00	31
4	ECA	Sam Himyary and Maha Al-Yasiri	59 Russell Ave Ottawa ON K1V 2H9	SE/75.4	-3.08	32
5	BORE		ON	W/77.7	0.43	32
6	INC		320 LAURIER AVENUE EAST, OTTAWA ON	N/80.4	0.43	34
7	SPL	Enbridge Gas Distribution Inc.	39 Sweetland Ave Ottawa ON	SW/86.4	-0.49	34
7	PINC	ENBRIDGE GAS INC	39 SWEETLAND AVE.,OTTAWA,ON,K1N 7T7,CA ON	SW/86.4	-0.49	35
8	EHS		323 Chapel St Ottawa ON K1N7Z2	ENE/92.9	-1.54	35
9	EHS		60 Russell Avenue Ottawa ON	S/103.3	-1.57	35
10	SCT	NGOMA	321 Chapel St Ottawa ON K1N 7Z2	NE/107.0	-1.57	36

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
10	SCT	CODE	321 Chapel St Ottawa ON K1N 7Z2	NE/107.0	-1.57	36
11	CA	OTTAWA CITY	FRIEL ST./LAURIER AVE. OTTAWA CITY ON	WNW/107.4	0.43	36
12	GEN	Greg Statler	55 Sweetland Ottawa ON K1N 7T7	SSW/108.4	-1.57	37
13	EHS		280 Laurier Avenue East Ottawa ON K1N 6P5	W/111.2	0.43	37
13	EHS		280 Laurier Avenue East Ottawa ON K1N 6P5	W/111.2	0.43	37
13	EHS		280 Laurier Ave E Ottawa Ottawa ON K1N 6P5	W/111.2	0.43	37
13	EHS		280 Laurier Avenue East Ottawa ON K1N 6P5	W/111.2	0.43	37
14	WWIS		301 LAURIER AVE E Ottawa ON Well ID: 7196193	NW/112.6	0.43	38
15	SPL	OTTAWA HYDRO	297 LAURIER AVE. EAST. TRANSFORMER OTTAWA CITY ON K1N 6P8	WNW/113.3	0.43	41
16	SCT	Teb-Mar Products Inc.	313 Laurier Ave E Ottawa ON K1N 6P8	NNW/114.9	0.43	41
17	GEN	CARLETON CONDOMINIUM CORP	333 Chapel St Ottawa ON K1N8A3	E/125.3	-4.30	42
17	GEN	CARLETON CONDOMINIUM CORP	333 Chapel St Ottawa ON K1N8A3	E/125.3	-4.30	42
18	GEN	Epic Realty Partners	340 Laurier Ave. Ottawa ON	NE/132.9	-0.49	42

<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>
18	GEN	TNC 340 Laurier Ltd	340 Laurier Ottawa ON	NE/132.9	-0.49	43
19	SPL	OTTAWA HYDRO	14 BLACKBURN AVE. TRANSFORMER OTTAWA CITY ON K1N 8A3	ENE/134.3	-2.52	43
20	SPL	CHURCH	ALL SAINTS CHURCH 317 CHAPEL ST. OTTAWA CITY ON K1N 7Z2	NE/136.7	-1.89	44
21	CA	A. POTVIN CONSTRUCTION LTD.	353 FRIEL STREET (SWM) OTTAWA ON K1N 7W7	NW/138.3	0.43	44
21	EHS		353 Friel St Ottawa ON K1N7W7	NW/138.3	0.43	44
22	CA	OTTAWA CITY	SWEETLAND AVE./LAURIER AVE./SO OTTAWA CITY ON	W/139.6	0.43	45
22	CA	R.M. OF OTTAWA-CARLETON	SWEETLAND AVE./LAURIER AVE./SO OTTAWA CITY ON	W/139.6	0.43	45
22	SPL		Laurier Avenue East and Sweetland Avenue<UNOFFICIAL> Ottawa ON	W/139.6	0.43	45
23	EHS		315 Chapel St Ottawa ON	NE/139.7	-0.49	46
24	EHS		301 Laurier Ave E Ottawa ON K1N 6P8	NW/140.1	0.43	46
24	EHS		301 Laurier Ave E Ottawa ON K1N 6P8	NW/140.1	0.43	46
24	EHS		301 Laurier Ave E Ottawa ON K1N 6P8	NW/140.1	0.43	46
24	EHS		301 Laurier Ave E Ottawa ON K1N 6P8	NW/140.1	0.43	46

<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>
24	EHS		301 Laurier Ave E Ottawa ON K1N 6P8	NW/140.1	0.43	47
25	SPL	Enbridge Gas Distribution Inc.	63 Sweetland Avenue Ottawa ON	SSW/141.7	-1.79	47
26	NPRI	GWL REATLY ADVISORS	271 LAURIER Avenue East OTTAWA ON K1N6P7	W/144.5	0.43	47
27	ECA	City of Ottawa	Blackburn Avenue, Chapel Street Ottawa ON K1V 6A6	S/147.9	-1.79	50
27	ECA	City of Ottawa	Blackburn Avenue, Chapel Street Ottawa ON K1V 6A6	S/147.9	-1.79	50
28	SPL	Parson Refrigeration (1985) Ltd.	273 Laurier Ave Ottawa ON	WNW/149.5	0.43	50
29	EHS		288 Chapel Street Ottawa ON K1N 7Y9	NNW/153.3	0.37	51
30	EHS		261 Laurier Avenue East Ottawa ON K1N 6P7	WNW/155.0	0.43	51
31	EHS		71 Russell Avenue Ottawa ON K1N 7X2	SE/158.5	-7.29	51
32	GEN	Wincon Construction 1986 Ltd	265 Laurier Ave East Ottawa ON K1N 6P7	W/162.8	0.43	51
33	EHS		261 Laurier Avenue East and 400 Friel Street Ottawa ON	WNW/163.8	0.43	52
34	EHS		353 Friel Street Ottawa ON	WNW/164.7	0.43	52
35	EHS		362 Friel Street Ottawa ON K1N 7W6	WNW/173.6	0.43	52

<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>
35	EHS		362 Friel St Ottawa ON K1N7W6	WNW/173.6	0.43	52
36	ECA	Nelson Place Apartments Inc.	305 Nelson St Ottawa ON K2C 1V1	WSW/175.9	0.45	53
37	INC		359 NELSON STREET, OTTAWA ON	SW/183.9	-0.57	53
38	SPL	Enbridge Gas Distribution Inc.	5 Blackburn Avenue Ottawa ON K1N 8A2	NE/186.8	-1.76	53
38	PINC		5 Blackburn Avenue, Ottawa ON	NE/186.8	-1.76	54
39	EHS		65 Sweetland Ave Ottawa ON K1N7T9	S/187.4	-5.57	54
40	SPL		338 Wilbrod St Ottawa ON	NW/189.8	0.43	55
40	PINC	PIPELINE HIT 1 1/4"	338 WILBROD ST,,OTTAWA,ON,K1N 6M5,CA ON	NW/189.8	0.43	55
41	ECA	Tina Martins-Campagna	355-361 Nelson St Ottawa ON	SW/189.8	-0.57	56
42	EHS		351 Friel St Ottawa ON K1N 7W7	NW/193.7	0.43	56
43	ECA	2478014 Ontario Limited	84 Russell Ave Ottawa ON K1W 0H9	SSE/195.5	-7.18	56
44	EHS		360 Friel Street Ottawa ON K1N 7W7	WNW/195.8	0.43	56
44	EHS		360 Friel Street Ottawa ON K1N 7W7	WNW/195.8	0.43	57

<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>
44	EHS		360 Friel Street Ottawa ON K1N 7W7	WNW/195.8	0.43	57
44	EHS		360 Friel Street Ottawa ON K1N 7W7	WNW/195.8	0.43	57
44	EHS		360 Friel Street Ottawa ON K1N 7W7	WNW/195.8	0.43	57
44	EHS		360 Friel Street Ottawa ON K1N 7W7	WNW/195.8	0.43	57
45	EHS		146 through 170 Osgoode Street Ottawa ON K1N 6S6	SSW/205.1	-2.18	58
45	EHS		146 - 170 Osgoode Street Ottawa ON K1N 6S6	SSW/205.1	-2.18	58
46	EHS		330 Wilbrod Street Ottawa ON K1N 6M5	NW/212.1	0.43	58
46	EHS		330 Wilbrod Street Ottawa ON K1N 6M5	NW/212.1	0.43	58
46	EHS		330 Wilbrod Street Ottawa ON K1N 6M5	NW/212.1	0.43	58
47	EHS		245 Laurier Ave E Ottawa ON K1N6P7	W/215.2	0.46	59
48	EHS		68 Sweetland Ave Ottawa ON K1N 7T8	SSW/215.5	-3.57	59
49	EBR	368 Chapel St. Inc.	368 Chapel Street Ottawa, ON K2G 0G5 Canada ON	SE/218.6	-11.37	59
49	ECA	368 Chapel St. Inc.	368 Chapel Street Ottawa ON K2G 0G5	SE/218.6	-11.37	60

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
50	EHS		300 1/2 Wilbrod St Ottawa ON K1N6M1	WNW/223.1	0.43	60
50	EHS		300 ½ Wilbrod Street Ottawa ON K1N 6M1	WNW/223.1	0.43	60
51	CA	R.M. OF OTTAWA-CARLETON	LAURIER AVE/NELSON ST. OTTAWA CITY ON	W/223.4	-0.27	60
51	CA	OTTAWA CITY	LAURIER AVE.E/NELSON ST. OTTAWA CITY ON	W/223.4	-0.27	61
52	EHS		339 Wilbrod Street Ottawa ON K1N 6M4	NW/223.9	0.43	61
52	GEN	Conseil des ecoles publiques de l'est de l'Ontario CEPEO	339 Wilbrod Road Ottawa ON K1N 6M4	NW/223.9	0.43	61
52	GEN	Conseil de ecoles publiques de l'Est de l'Ontario	Francojeunesse Pavillon, 339, rue Wilbrod Ottawa ON K1N 6M4	NW/223.9	0.43	61
52	GEN	Conseil des ecoles publiques de l'Est de l'Ontario	339 rue Wilbrod st Ottawa ON K1N 6M3	NW/223.9	0.43	62
52	GEN	Conseil des ecoles publiques de l'Est de l'Ontario	Pavillon Francojeunesse, 339, rue Wilbrod Ottawa ON K1N 6M4	NW/223.9	0.43	62
52	GEN	Conseil des ecoles publiques de l'Est de l'Ontario	339 rue Wilbrod st Ottawa ON K1N 6M3	NW/223.9	0.43	62
52	GEN	Conseil des ecoles publiques de l'est de l'Ontario CEPEO	339 Wilbrod Road Ottawa ON K1N 6M4	NW/223.9	0.43	63
53	EHS		319 Wilbrod St Ottawa On Ottawa ON K1N6M4	NW/225.3	0.43	63
54	EHS		238 Laurier Ave E Ottawa ON K1N6P2	W/232.8	-0.24	63

<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>
55	EHS		325 Wilbrod St Ottawa ON K1N6M4	NW/239.3	0.43	63
56	GEN	Albert Falsetto	286 Wilbrod St. Ottawa ON K1N 6M2	WNW/239.4	0.46	64
57	WWIS		325 FRIEL ST ON <i>Well ID: 7296576</i>	NW/244.3	0.43	64
58	EHS		393 Nelson Street Ottawa ON K1N 7S6	SSW/245.6	-2.49	67
58	EHS		393 Nelson Street Ottawa ON K1N 7S6	SSW/245.6	-2.49	67
58	EHS		393 Nelson Street Ottawa ON K1N 7S6	SSW/245.6	-2.49	67
59	EHS		45 Blackburn Ave Ottawa ON K1N8A4	E/246.9	-10.39	67
60	BORE		ON	NW/248.1	0.43	68

Executive Summary: Summary By Data Source

BORE - Borehole

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

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	ON	W	77.66	<u>5</u>
	ON	NW	248.11	<u>60</u>

CA - Certificates of Approval

A search of the CA database, dated 1985-Oct 30, 2011* has found that there are 6 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	FRIEL ST./LAURIER AVE. OTTAWA CITY ON	WNW	107.39	<u>11</u>
A. POTVIN CONSTRUCTION LTD.	353 FRIEL STREET (SWM) OTTAWA ON K1N 7W7	NW	138.34	<u>21</u>
R.M. OF OTTAWA-CARLETON	SWEETLAND AVE./LAURIER AVE. /SO OTTAWA CITY ON	W	139.60	<u>22</u>
OTTAWA CITY	SWEETLAND AVE./LAURIER AVE. /SO OTTAWA CITY ON	W	139.60	<u>22</u>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
OTTAWA CITY	LAURIER AVE.E/NELSON ST. OTTAWA CITY ON	W	223.40	<u>51</u>

R.M. OF OTTAWA-CARLETON	LAURIER AVE/NELSON ST. OTTAWA CITY ON	W	223.40	51
-------------------------	--	---	--------	--------------------

EBR - Environmental Registry

A search of the EBR database, dated 1994- Jun 30, 2021 has found that there are 1 EBR 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>
368 Chapel St. Inc.	368 Chapel Street Ottawa, ON K2G 0G5 Canada ON	SE	218.60	49

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011- Jun 30, 2021 has found that there are 7 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>
Nelson Place Apartments Inc.	305 Nelson St Ottawa ON K2C 1V1	WSW	175.87	36

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Sam Himyary and Maha Al-Yasiri	59 Russell Ave Ottawa ON K1V 2H9	SE	75.36	4
City of Ottawa	Blackburn Avenue, Chapel Street Ottawa ON K1V 6A6	S	147.92	27
City of Ottawa	Blackburn Avenue, Chapel Street Ottawa ON K1V 6A6	S	147.92	27
Tina Martins-Campagna	355-361 Nelson St Ottawa ON	SW	189.82	41
2478014 Ontario Limited	84 Russell Ave Ottawa ON K1W 0H9	SSE	195.53	43

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Jun 30, 2021 has found that there are 48 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>
	280 Laurier Avenue East Ottawa ON K1N 6P5	W	111.19	13
	280 Laurier Avenue East Ottawa ON K1N 6P5	W	111.19	13
	280 Laurier Ave E Ottawa Ottawa ON K1N 6P5	W	111.19	13
	280 Laurier Avenue East Ottawa ON K1N 6P5	W	111.19	13
	353 Friel St Ottawa ON K1N7W7	NW	138.34	21
	301 Laurier Ave E Ottawa ON K1N 6P8	NW	140.09	24
	301 Laurier Ave E Ottawa ON K1N 6P8	NW	140.09	24
	301 Laurier Ave E Ottawa ON K1N 6P8	NW	140.09	24
	301 Laurier Ave E Ottawa ON K1N 6P8	NW	140.09	24
	301 Laurier Ave E Ottawa ON K1N 6P8	NW	140.09	24

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	288 Chapel Street Ottawa ON K1N 7Y9	NNW	153.26	<u>29</u>
	261 Laurier Avenue East Ottawa ON K1N 6P7	WNW	155.03	<u>30</u>
	261 Laurier Avenue East and 400 Friel Street Ottawa ON	WNW	163.82	<u>33</u>
	353 Friel Street Ottawa ON	WNW	164.75	<u>34</u>
	362 Friel Street Ottawa ON K1N 7W6	WNW	173.59	<u>35</u>
	362 Friel St Ottawa ON K1N7W6	WNW	173.59	<u>35</u>
	351 Friel St Ottawa ON K1N 7W7	NW	193.65	<u>42</u>
	360 Friel Street Ottawa ON K1N 7W7	WNW	195.78	<u>44</u>
	360 Friel Street Ottawa ON K1N 7W7	WNW	195.78	<u>44</u>
	360 Friel Street Ottawa ON K1N 7W7	WNW	195.78	<u>44</u>
	360 Friel Street Ottawa ON K1N 7W7	WNW	195.78	<u>44</u>

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	360 Friel Street Ottawa ON K1N 7W7	WNW	195.78	<u>44</u>
	360 Friel Street Ottawa ON K1N 7W7	WNW	195.78	<u>44</u>
	330 Wilbrod Street Ottawa ON K1N 6M5	NW	212.09	<u>46</u>
	330 Wilbrod Street Ottawa ON K1N 6M5	NW	212.09	<u>46</u>
	330 Wilbrod Street Ottawa ON K1N 6M5	NW	212.09	<u>46</u>
	245 Laurier Ave E Ottawa ON K1N6P7	W	215.17	<u>47</u>
	300 1/2 Wilbrod St Ottawa ON K1N6M1	WNW	223.09	<u>50</u>
	300 ½ Wilbrod Street Ottawa ON K1N 6M1	WNW	223.09	<u>50</u>
	339 Wilbrod Street Ottawa ON K1N 6M4	NW	223.87	<u>52</u>
	319 Wilbrod St Ottawa On Ottawa ON K1N6M4	NW	225.29	<u>53</u>
	325 Wilbrod St Ottawa ON K1N6M4	NW	239.29	<u>55</u>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
-------------------------------	-----------------------	-------------------------	----------------------------	-----------------------

36 Russell Ave Ottawa ON	SSW	41.54	<u>1</u>
50 Russell Ave Ottawa ON K1N 7W8	SSW	70.07	<u>3</u>
50 Russell Ave Ottawa ON K1N7W8	SSW	70.07	<u>3</u>
323 Chapel St Ottawa ON K1N7Z2	ENE	92.93	<u>8</u>
60 Russell Avenue Ottawa ON	S	103.27	<u>9</u>
315 Chapel St Ottawa ON	NE	139.70	<u>23</u>
71 Russell Avenue Ottawa ON K1N 7X2	SE	158.45	<u>31</u>
65 Sweetland Ave Ottawa ON K1N7T9	S	187.40	<u>39</u>
146 through 170 Osgoode Street Ottawa ON K1N 6S6	SSW	205.11	<u>45</u>
146 - 170 Osgoode Street Ottawa ON K1N 6S6	SSW	205.11	<u>45</u>
68 Sweetland Ave Ottawa ON K1N 7T8	SSW	215.51	<u>48</u>
238 Laurier Ave E Ottawa ON K1N6P2	W	232.82	<u>54</u>
393 Nelson Street Ottawa ON K1N 7S6	SSW	245.56	<u>58</u>

393 Nelson Street Ottawa ON K1N 7S6	SSW	245.56	58
393 Nelson Street Ottawa ON K1N 7S6	SSW	245.56	58
45 Blackburn Ave Ottawa ON K1N8A4	E	246.87	59

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Apr 30, 2021 has found that there are 13 GEN site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Wincon Construction 1986 Ltd	265 Laurier Ave East Ottawa ON K1N 6P7	W	162.75	32
Conseil des ecoles publiques de l'Est de l'Ontario	339 rue Wilbrod st Ottawa ON K1N 6M3	NW	223.87	52
Conseil des ecoles publiques de l'est de l'Ontario CEPEO	339 Wilbrod Road Ottawa ON K1N 6M4	NW	223.87	52
Conseil des ecoles publiques de l'Est de l'Ontario	Pavillon Francojeunesse, 339, rue Wilbrod Ottawa ON K1N 6M4	NW	223.87	52
Conseil des ecoles publiques de l'Est de l'Ontario	339 rue Wilbrod st Ottawa ON K1N 6M3	NW	223.87	52
Conseil de ecoles publiques de l'Est de l'Ontario	Francojeunesse Pavillon, 339, rue Wilbrod Ottawa ON K1N 6M4	NW	223.87	52
Conseil des ecoles publiques de l'est de l'Ontario CEPEO	339 Wilbrod Road Ottawa ON K1N 6M4	NW	223.87	52

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Albert Falsetto	286 Wilbrod St. Ottawa ON K1N 6M2	WNW	239.41	56
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Greg Statler	55 Sweetland Ottawa ON K1N 7T7	SSW	108.44	12
CARLETON CONDOMINIUM CORP	333 Chapel St Ottawa ON K1N8A3	E	125.33	17
CARLETON CONDOMINIUM CORP	333 Chapel St Ottawa ON K1N8A3	E	125.33	17
TNC 340 Laurier Ltd	340 Laurier Ottawa ON	NE	132.86	18
Epic Realty Partners	340 Laurier Ave. Ottawa ON	NE	132.86	18

INC - Fuel Oil Spills and Leaks

A search of the INC database, dated May 31, 2021 has found that there are 2 INC 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>
	320 LAURIER AVENUE EAST, OTTAWA ON	N	80.42	6
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	359 NELSON STREET, OTTAWA ON	SW	183.91	37

NPRI - National Pollutant Release Inventory

A search of the NPRI database, dated 1993-May 2017 has found that there are 1 NPRI 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>
GWL REATLY ADVISORS	271 LAURIER Avenue East OTTAWA ON K1N6P7	W	144.48	26

PINC - Pipeline Incidents

A search of the PINC database, dated May 31, 2021 has found that there are 3 PINC 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>
PIPELINE HIT 1 1/4"	338 WILBROD ST.,,OTTAWA,ON,K1N 6M5,CA ON	NW	189.81	40

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
ENBRIDGE GAS INC	39 SWEETLAND AVE.,,OTTAWA,ON, K1N 7T7,CA ON	SW	86.37	7
	5 Blackburn Avenue, Ottawa ON	NE	186.77	38

SCT - Scott's Manufacturing Directory

A search of the SCT database, dated 1992-Mar 2011* has found that there are 3 SCT 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>
Teb-Mar Products Inc.	313 Laurier Ave E Ottawa ON K1N 6P8	NNW	114.85	16

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
NGOMA	321 Chapel St Ottawa ON K1N 7Z2	NE	107.00	10

CODE	321 Chapel St Ottawa ON K1N 7Z2	NE	107.00	10
------	------------------------------------	----	--------	--------------------

SPL - Ontario Spills

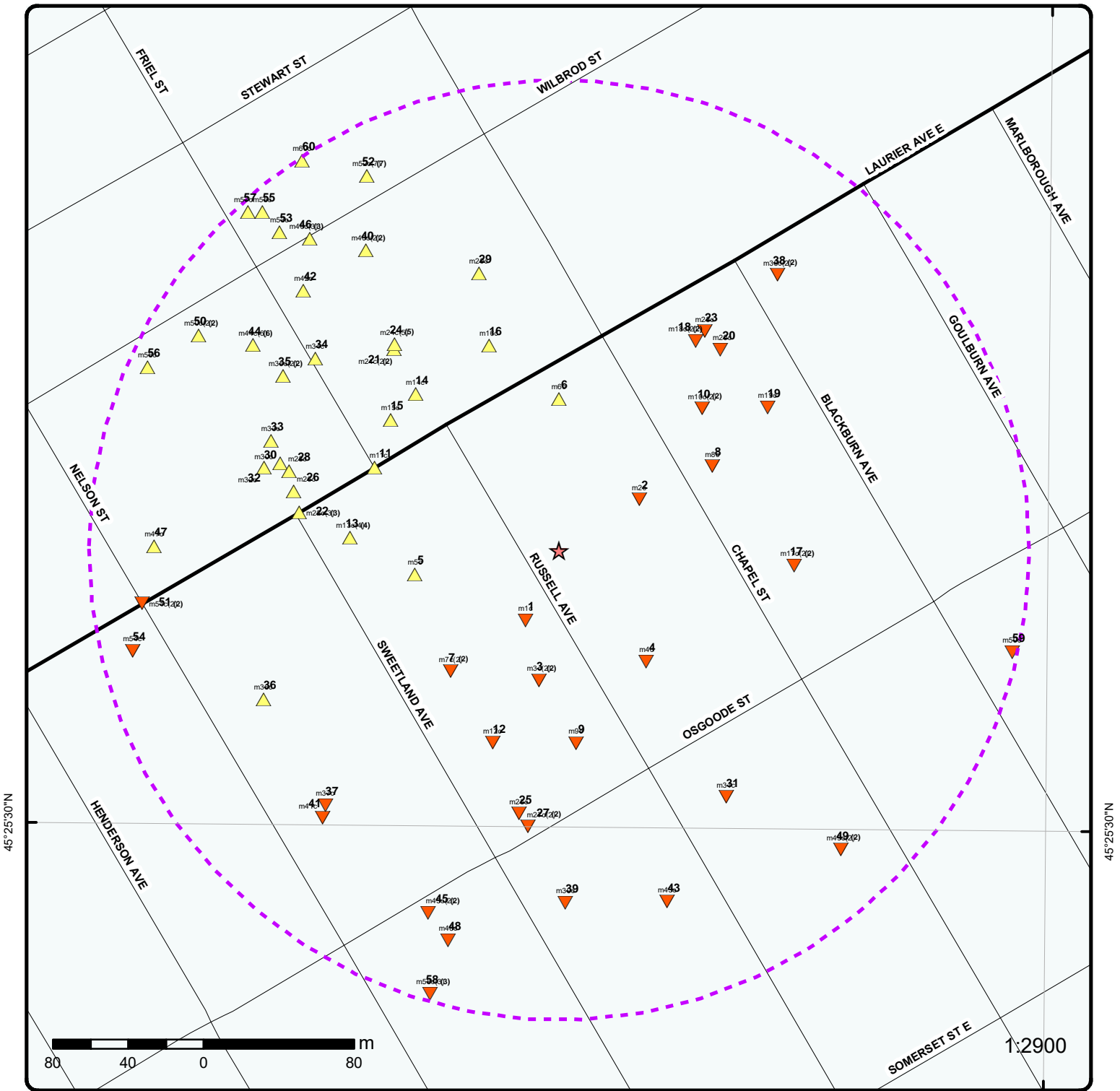
A search of the SPL database, dated 1988-Aug 2020 has found that there are 9 SPL site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
OTTAWA HYDRO	297 LAURIER AVE. EAST. TRANSFORMER OTTAWA CITY ON K1N 6P8	WNW	113.31	<u>15</u>
	Laurier Avenue East and Sweetland Avenue<UNOFFICIAL> Ottawa ON	W	139.60	<u>22</u>
Parson Refrigeration (1985) Ltd.	273 Laurier Ave Ottawa ON	WNW	149.52	<u>28</u>
	338 Wilbrod St Ottawa ON	NW	189.81	<u>40</u>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Enbridge Gas Distribution Inc.	39 Sweetland Ave Ottawa ON	SW	86.37	<u>7</u>
OTTAWA HYDRO	14 BLACKBURN AVE. TRANSFORMER OTTAWA CITY ON K1N 8A3	ENE	134.29	<u>19</u>
CHURCH	ALL SAINTS CHURCH 317 CHAPEL ST. OTTAWA CITY ON K1N 7Z2	NE	136.75	<u>20</u>
Enbridge Gas Distribution Inc.	63 Sweetland Avenue Ottawa ON	SSW	141.68	<u>25</u>
Enbridge Gas Distribution Inc.	5 Blackburn Avenue Ottawa ON K1N 8A2	NE	186.77	<u>38</u>

WWIS - Water Well Information System

A search of the WWIS database, dated Apr 30, 2021 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>
	301 LAURIER AVE E Ottawa ON <i>Well ID:</i> 7196193	NW	112.61	<u>14</u>
	325 FRIEL ST ON <i>Well ID:</i> 7296576	NW	244.25	<u>57</u>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	324 CHAPEL ST OTTAWA ON <i>Well ID:</i> 7044389	ENE	50.48	<u>2</u>



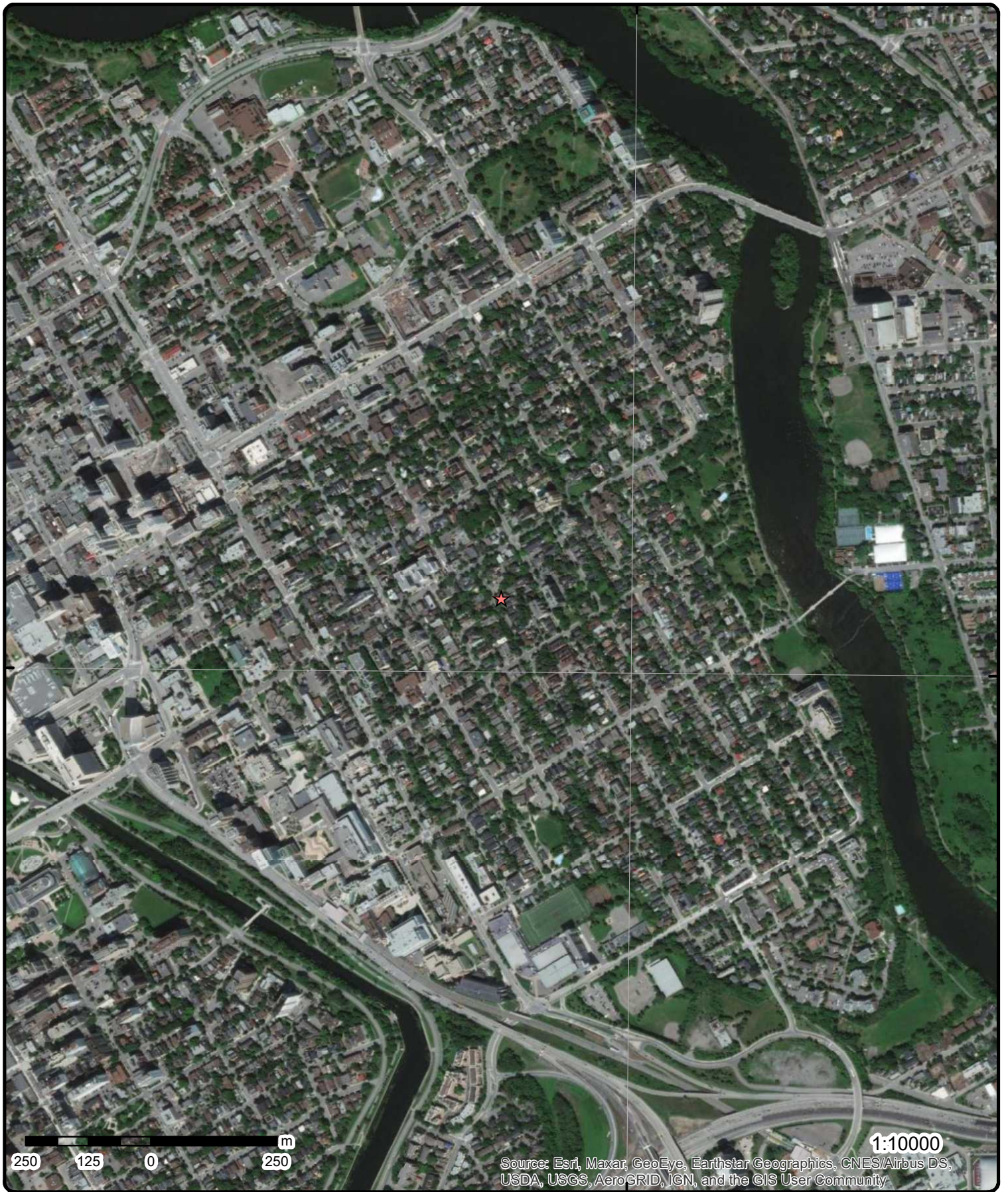
Map: 0.25 Kilometer Radius

Order Number: 21081700047

Address: 29 Russell Ave Ottawa Ontario, 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 Unknown Elevation		Local road		Abandoned Line		Park or Sports Field
			Trail				Other Recreation Area
			Proposed Road				
			Ferry Route/Ice Road				



250 125 0 250 m

1:10000

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

Aerial Year: 2020

Order Number: 2108170047

Address: 29 Russell Ave Ottawa Ontario, Ottawa, ON



Source: ESRI World Imagery

© ERIS Information Limited Partnership

75°42'W

75°40'30"W

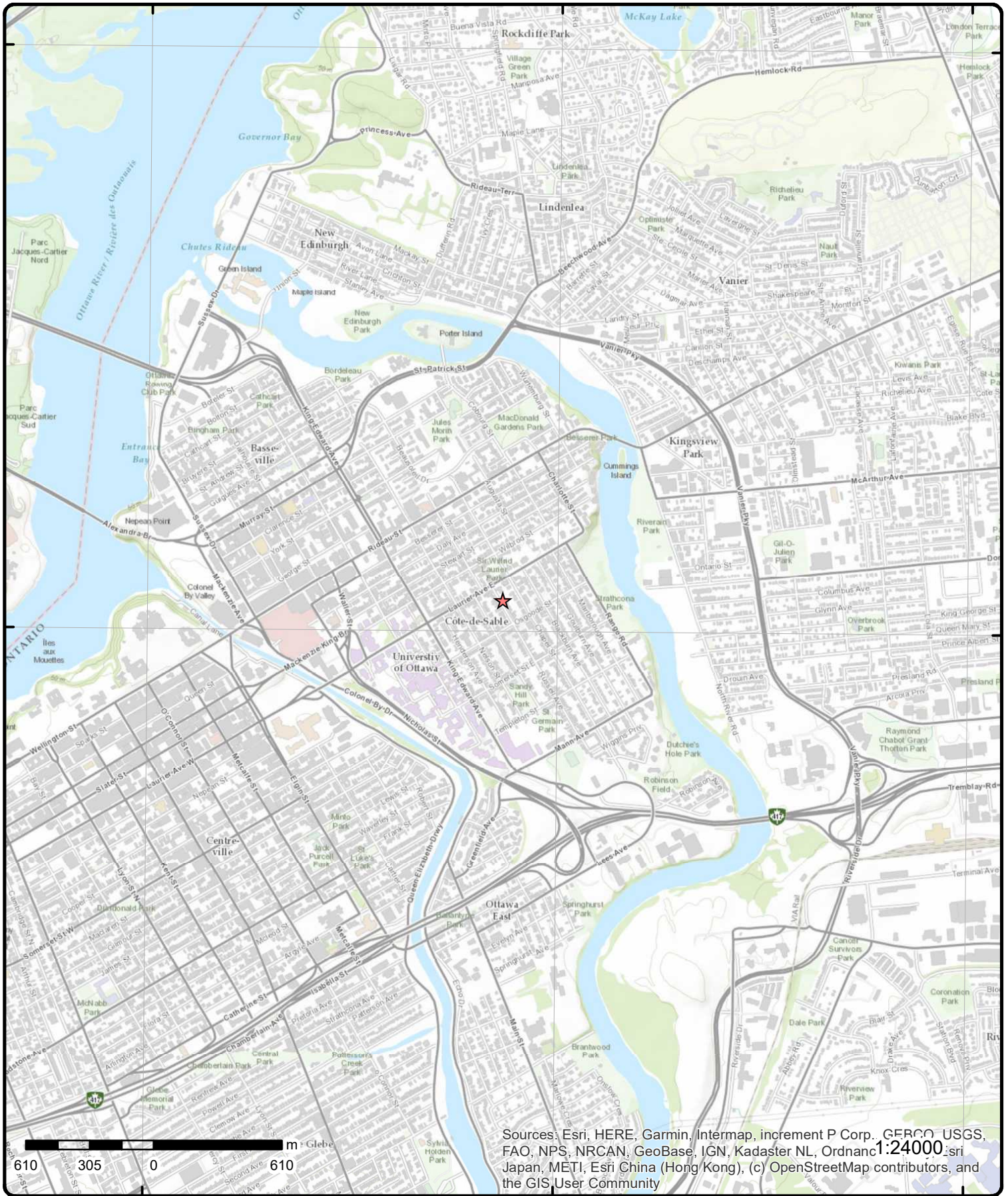
75°39'W

45°27'N

45°27'N

45°25'30"N

45°25'30"N



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Topographic Map

Order Number: 2108170047

Address: 29 Russell Ave Ottawa Ontario, ON



Source: ESRI World Topographic Map

© ERIS Information Limited Partnership

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>1</u>	1 of 1	SSW/41.5	71.9 / -0.52	36 Russell Ave Ottawa ON	EHS
Order No: 20161018006 Status: C Report Type: Standard Report Report Date: 24-OCT-16 Date Received: 18-OCT-16 Previous Site Name: Lot/Building Size: Additional Info Ordered: Fire Insur. Maps and/or Site Plans		Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .25 X: -75.678527 Y: 45.425985			

<u>2</u>	1 of 1	ENE/50.5	71.0 / -1.40	324 CHAPEL ST OTTAWA ON	WWIS
Well ID: 7044389 Construction Date: Primary Water Use: Sec. Water Use: Final Well Status: Observation Wells Water Type: Casing Material: Audit No: Z58316 Tag: A051274 Construction Method: Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy:		Data Entry Status: Data Src: Date Received: 6/4/2007 Selected Flag: True Abandonment Rec: Contractor: 1844 Form Version: 3 Owner: Street Name: 324 CHAPEL ST County: OTTAWA Municipality: OTTAWA CITY Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/704\7044389.pdf

Additional Detail(s) (Map)

Well Completed Date: 2006/12/18
Year Completed: 2006
Depth (m): 4.88
Latitude: 45.4265691934022
Longitude: -75.6777601298065
Path: 704\7044389.pdf

Bore Hole Information

Bore Hole ID: 11766806	Elevation: 70.327415
DP2BR:	Elevrc:
Spatial Status:	Zone: 18
Code OB: o	East83: 446980.00

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Code OB Desc:	Overburden			North83:	5030562.00
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	3
Date Completed:	18-Dec-2006 00:00:00			UTMRC Desc:	margin of error : 10 - 30 m
Remarks:				Location Method:	wwr
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					

Overburden and Bedrock
Materials Interval

Formation ID: 933102766
Layer: 3
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 84
Mat2 Desc: SILTY
Mat3: 91
Mat3 Desc: WATER-BEARING
Formation Top Depth: 1.7000000476837158
Formation End Depth: 4.880000114440918
Formation End Depth UOM: m

Overburden and Bedrock
Materials Interval

Formation ID: 933102765
Layer: 2
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2: 11
Mat2 Desc: GRAVEL
Mat3:
Mat3 Desc:
Formation Top Depth:
Formation End Depth: 1.7000000476837158
Formation End Depth UOM: m

Annular Space/Abandonment
Sealing Record

Plug ID: 933320108
Layer: 1
Plug From: 0.300000011920929
Plug To: 1
Plug Depth UOM: m

Method of Construction & Well
Use

Method Construction ID: 967044389
Method Construction Code: B
Method Construction: Other Method
Other Method Construction:

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

Pipe Information

Pipe ID: 11774496
 Casing No: 1
 Comment:
 Alt Name:

Construction Record - Casing

Casing ID: 930900166
 Layer: 1
 Material: 5
 Open Hole or Material: PLASTIC
 Depth From: 0
 Depth To: 1.29999995231628
 Casing Diameter: 51
 Casing Diameter UOM: cm
 Casing Depth UOM: m

Construction Record - Screen

Screen ID: 933424714
 Layer: 1
 Slot: 10
 Screen Top Depth: 1.5
 Screen End Depth: 4.88000011444092
 Screen Material: 5
 Screen Depth UOM: m
 Screen Diameter UOM: cm
 Screen Diameter: 58

Hole Diameter

Hole ID: 11853422
 Diameter: 10.0
 Depth From: 0.0
 Depth To: 4.880000114440918
 Hole Depth UOM: m
 Hole Diameter UOM: cm

3	1 of 2	SSW/70.1	71.4 / -1.00	50 Russell Ave Ottawa ON K1N 7W8	EHS
Order No:	20010904002			Nearest Intersection:	Laurier Ave/ Osgoode
Status:	C			Municipality:	
Report Type:	Complete Report			Client Prov/State:	ON
Report Date:	9/11/01			Search Radius (km):	0.25
Date Received:	9/4/01			X:	-75.678257
Previous Site Name:				Y:	45.425842
Lot/Building Size:	see map				
Additional Info Ordered:					

3	2 of 2	SSW/70.1	71.4 / -1.00	50 Russell Ave Ottawa ON K1N7W8	EHS
Order No:	20130514039			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Standard Report			Client Prov/State:	ON
Report Date:	23-MAY-13			Search Radius (km):	.25

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Date Received:	14-MAY-13			X:	-75.678432
Previous Site Name:				Y:	45.4257
Lot/Building Size:					
Additional Info Ordered:					

4	1 of 1	SE/75.4	69.4 / -3.08	Sam Himyary and Maha Al-Yasiri 59 Russell Ave Ottawa ON K1V 2H9	ECA
Approval No:	2752-A7TR4D			MOE District:	
Approval Date:	2016-03-13			City:	
Status:	Approved			Longitude:	
Record Type:	ECA			Latitude:	
Link Source:	IDS			Geometry X:	
SWP Area Name:				Geometry Y:	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS				
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS				
Business Name:	Sam Himyary and Maha Al-Yasiri				
Address:	59 Russell Ave				
Full Address:					
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/6144-9ZGKZV-14.pdf				

5	1 of 1	W/77.7	72.9 / 0.43	ON	BORE
Borehole ID:	613501			Inclin FLG:	No
OGF ID:	215514777			SP Status:	Initial Entry
Status:				Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:				Primary Name:	
Completion Date:				Municipality:	
Static Water Level:				Lot:	
Primary Water Use:				Township:	
Sec. Water Use:				Latitude DD:	45.426202
Total Depth m:	-999			Longitude DD:	-75.679281
Depth Ref:	Ground Surface			UTM Zone:	18
Depth Elev:				Easting:	446861
Drill Method:				Northing:	5030522
Orig Ground Elev m:	65.5			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Not Applicable
DEM Ground Elev m:	70.2				
Concession:					
Location D:					
Survey D:					
Comments:					

Borehole Geology Stratum

Geology Stratum ID:	218395392			Mat Consistency:	Compact
Top Depth:	12.8			Material Moisture:	
Bottom Depth:	14.3			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Sand			Geologic Formation:	
Material 2:				Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	SAND. COMPACT.				
Geology Stratum ID:	218395388			Mat Consistency:	
Top Depth:	0			Material Moisture:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:	1.2 Fill			Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	fill
Geology Stratum ID: Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:	218395391 12.2 12.8 Gravel			Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	
Geology Stratum ID: Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:	218395390 1.8 12.2 Blue Clay			Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	Soft
Geology Stratum ID: Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:	218395389 1.2 1.8 Clay			Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	
Geology Stratum ID: Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:	218395393 14.3 Bedrock			Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	
Stratum Description:	BEDROCK. . BEDROCK. GREY,FOSSILIFEROUS,FRACTURED. CK. GREY,SOUND. 00000013000900130013 **Note: Many records provided by the department have a truncated [Stratum Description] field.				

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:	H	Horizontal:	NAD27
Observatio:		Verticalda:	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA2.txt RecordID: 060090 NTS_Sheet: 31G05G		
Confiden 1:	Logged by professional. Exact and complete description of material and properties.		

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

Source List

Source Identifier: 1
Source Type: Data Survey
Source Date: 1956-1972
Scale or Resolution: Varies
Source Name: Urban Geology Automated Information System (UGAIS)
Source Originators: Geological Survey of Canada
Horizontal Datum: NAD27
Vertical Datum: Mean Average Sea Level
Projection Name: Universal Transverse Mercator

<u>6</u>	1 of 1	N/80.4	72.9 / 0.43	320 LAURIER AVENUE EAST, OTTAWA ON	INC
Incident No: 1580484 Incident ID: Instance No: Status Code: Attribute Category: FS-Perform L1 Incident Insp Context: Date of Occurrence: 2015/02/21 00:00:00 Time of Occurrence: 00:01:00 Incident Created On: Instance Creation Dt: Instance Install Dt: Occur Insp Start Date: 2015/02/23 00:00:00 Approx Quant Rel: Tank Capacity: Fuels Occur Type: CO Release Fuel Type Involved: Natural Gas Enforcement Policy: NULL Prc Escalation Req: NULL Tank Material Type: Tank Storage Type: Tank Location Type: Pump Flow Rate Cap: Task No: 5374018 Notes: Drainage System: Sub Surface Contam.: Aff Prop Use Water: Contam. Migrated: Contact Natural Env: Incident Location: 320 LAURIER AVENUE EAST, OTTAWA - CO RELEASE Occurrence Narrative: CO Release from exhaust venting. Wrong venting used Operation Type Involved: Multi-unit Residential Item: Item Description: Device Installed Location:	Any Health Impact: No Any Enviro Impact: No Service Interrupted: Yes Was Prop Damaged: No Reside App. Type: Commer App. Type: Indus App. Type: Institut App. Type: Venting Type: Vent Conn Mater: Vent Chimney Mater: Pipeline Type: Pipeline Involved: Pipe Material: Depth Ground Cover: Regulator Location: Regulator Type: Operation Pressure: Liquid Prop Make: Liquid Prop Model: Liquid Prop Serial No: Liquid Prop Notes: Equipment Type: Equipment Model: Serial No: Cylinder Capacity: Cylinder Cap Units: Cylinder Mat Type: Near Body of Water:				

<u>7</u>	1 of 2	SW/86.4	72.0 / -0.49	Enbridge Gas Distribution Inc. 39 Sweetland Ave Ottawa ON	SPL
Ref No: 4076-BA8UYH Site No: NA Incident Dt: 3/13/2019 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: Unknown / N/A Agency Involved: Nearest Watercourse: Site Address: 39 Sweetland Ave 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 3/13/2019 5/8/2019			Site Region: Site Municipality: Site Lot: Site Conc: Northing: Easting: Site Geo Ref Accu: Site Map Datum: SAC Action Class:	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 2" plastic IP gas main<UNOFFICIAL> TSSA FSB - Spill - 2 inch gas line hit by contractor 0 other - see incident description			Source Type:		

<u>7</u>	2 of 2	SW/86.4	72.0 / -0.49	ENBRIDGE GAS INC 39 SWEETLAND AVE,, OTTAWA, ON, K1N 7T7, CA ON	PINC
Incident ID: Incident No: Incident Reported Dt: Type: Status Code: Tank Status: Task No: Spills Action Centre: Fuel Type: Fuel Occurrence Tp: Date of Occurrence: Occurrence Start Dt: Depth: Customer Acct Name: Incident Address: Operation Type: Pipeline Type: Regulator Type: Summary: Reported By: Affiliation: Occurrence Desc: Damage Reason: Notes:	2531848 3/14/2019 FS-Pipeline Incident Pipeline Damage Reason Est ENBRIDGE GAS INC 39 SWEETLAND AVE,, OTTAWA, ON, K1N 7T7, CA			Pipe Material: Fuel Category: Health Impact: Environment Impact: Property Damage: Service Interrupt: Enforce Policy: Public Relation: Pipeline System: PSIG: Attribute Category: Regulator Location: Method Details:	

<u>8</u>	1 of 1	ENE/92.9	70.9 / -1.54	323 Chapel St Ottawa ON K1N7Z2	EHS
Order No: Status: Report Type: Report Date: Date Received: Previous Site Name: Lot/Building Size: Additional Info Ordered:	20140826077 C Custom Report 02-SEP-14 26-AUG-14 			Nearest Intersection: Municipality: Client Prov/State: Search Radius (km): X: Y:	ON .25 -75.677103 45.426752

<u>9</u>	1 of 1	S/103.3	70.9 / -1.57	60 Russell Avenue Ottawa ON	EHS
----------	--------	---------	--------------	--	------------

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Order No: 20120621010 Status: C Report Type: Custom Report Report Date: 27-JUN-12 Date Received: 21-JUN-12 Previous Site Name: Lot/Building Size: Additional Info Ordered:					
Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .25 X: -75.678154 Y: 45.425466					
10	1 of 2	NE/107.0	70.9 / -1.57	NGOMA 321 Chapel St Ottawa ON K1N 7Z2	SCT
Established: 01-SEP-59 Plant Size (ft²): Employment:					
--Details--					
Description: Periodical Publishers SIC/NAICS Code: 511120					
10	2 of 2	NE/107.0	70.9 / -1.57	CODE 321 Chapel St Ottawa ON K1N 7Z2	SCT
Established: 01-AUG-59 Plant Size (ft²): Employment:					
--Details--					
Description: Social Advocacy Organizations SIC/NAICS Code: 813310					
Description: Book Publishers SIC/NAICS Code: 511130					
Description: Grant-Making and Giving Services SIC/NAICS Code: 813210					
11	1 of 1	WNW/107.4	72.9 / 0.43	OTTAWA CITY FRIEL ST./LAURIER AVE. OTTAWA CITY ON	CA
Certificate #: 3-0943-90- Application Year: 90 Issue Date: 6/5/1990 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
12	1 of 1	SSW/108.4	70.9 / -1.57	Greg Statler 55 Sweetland Ottawa ON K1N 7T7	GEN
Generator No:	ON9098417			PO Box No:	
Status:				Country:	
Approval Years:	02,03,04			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:					
SIC Description:					
Detail(s)					
Waste Class:	221				
Waste Class Desc:	LIGHT FUELS				
13	1 of 4	W/111.2	72.9 / 0.43	280 Laurier Avenue East Ottawa ON K1N 6P5	EHS
Order No:	20290900059			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Standard Report			Client Prov/State:	ON
Report Date:	14-SEP-20			Search Radius (km):	.25
Date Received:	09-SEP-20			X:	-75.679723
Previous Site Name:				Y:	45.4263762
Lot/Building Size:					
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans				
13	2 of 4	W/111.2	72.9 / 0.43	280 Laurier Avenue East Ottawa ON K1N 6P5	EHS
Order No:	20290900059			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Standard Report			Client Prov/State:	ON
Report Date:	14-SEP-20			Search Radius (km):	.25
Date Received:	09-SEP-20			X:	-75.679723
Previous Site Name:				Y:	45.4263762
Lot/Building Size:					
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans				
13	3 of 4	W/111.2	72.9 / 0.43	280 Laurier Ave E Ottawa Ottawa ON K1N 6P5	EHS
Order No:	21062800322			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Custom Report			Client Prov/State:	ON
Report Date:	02-JUL-21			Search Radius (km):	.25
Date Received:	28-JUN-21			X:	-75.679723
Previous Site Name:				Y:	45.4263762
Lot/Building Size:					
Additional Info Ordered:	Topographic Maps				
13	4 of 4	W/111.2	72.9 / 0.43	280 Laurier Avenue East Ottawa ON K1N 6P5	EHS
Order No:	20290900059			Nearest Intersection:	
Status:	C			Municipality:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Report Type:	Standard Report			Client Prov/State:	ON
Report Date:	14-SEP-20			Search Radius (km):	.25
Date Received:	09-SEP-20			X:	-75.679723
Previous Site Name:				Y:	45.4263762
Lot/Building Size:					
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans				

14	1 of 1	NW/112.6	72.9 / 0.43	301 LAURIER AVE E Ottawa ON	WWIS
--------------------	--------	----------	-------------	--------------------------------	------

Well ID:	7196193	Data Entry Status:	
Construction Date:		Data Src:	
Primary Water Use:	Monitoring and Test Hole	Date Received:	1/28/2013
Sec. Water Use:		Selected Flag:	True
Final Well Status:	Test Hole	Abandonment Rec:	
Water Type:		Contractor:	7241
Casing Material:		Form Version:	7
Audit No:	Z153020	Owner:	
Tag:	A141839	Street Name:	301 LAURIER AVE E
Construction Method:		County:	OTTAWA
Elevation (m):		Municipality:	OTTAWA CITY
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	
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:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/719\7196193.pdf

Additional Detail(s) (Map)

Well Completed Date:	2013/01/03
Year Completed:	2013
Depth (m):	3.35
Latitude:	45.4270641920381
Longitude:	-75.6792872572722
Path:	719\7196193.pdf

Bore Hole Information

Bore Hole ID:	1004245047	Elevation:	70.359886
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	446861.00
Code OB Desc:		North83:	5030618.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	03-Jan-2013 00:00:00	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Materials Interval</u>					
Formation ID:		1004781234			
Layer:		2			
Color:		6			
General Color:		BROWN			
Mat1:		06			
Most Common Material:		SILT			
Mat2:		05			
Mat2 Desc:		CLAY			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0.3100000023841858			
Formation End Depth:		0.6100000143051147			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1004781236			
Layer:		4			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		1.8300000429153442			
Formation End Depth:		3.3499999046325684			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1004781233			
Layer:		1			
Color:		6			
General Color:		BROWN			
Mat1:		01			
Most Common Material:		FILL			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:		0.3100000023841858			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1004781235			
Layer:		3			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation Top Depth:		0.6100000143051147			
Formation End Depth:		1.8300000429153442			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1004781245			
Layer:		2			
Plug From:		0.310000002384186			
Plug To:		0.910000026226044			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1004781244			
Layer:		1			
Plug From:		0			
Plug To:		0.310000002384186			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1004781246			
Layer:		3			
Plug From:		0.910000026226044			
Plug To:		3.34999990463257			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1004781243			
Method Construction Code:		D			
Method Construction:		Direct Push			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1004781232			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1004781239			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0			
Depth To:		0.910000026226044			
Casing Diameter:		3.45000004768372			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
Screen ID:		1004781240			
Layer:		1			
Slot:		10			
Screen Top Depth:		0.910000026226044			
Screen End Depth:		3.34999990463257			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		4.21000003814697			
<u>Water Details</u>					
Water ID:		1004781238			
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					
Hole ID:		1004781237			
Diameter:		5.710000038146973			
Depth From:		0.0			
Depth To:		3.3499999046325684			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<hr/>					

[15](#) 1 of 1 **WNW/113.3** **72.9 / 0.43** **OTTAWA HYDRO**
297 LAURIER AVE. EAST. TRANSFORMER
OTTAWA CITY ON K1N 6P8 **SPL**

Ref No:	118110	Discharger Report:	
Site No:		Material Group:	
Incident Dt:	9/1/1995	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:	CONFIRMED	Site Municipality:	20101
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:	9/5/1995	Site Map Datum:	
Dt Document Closed:		SAC Action Class:	
Incident Reason:	EQUIPMENT FAILURE	Source Type:	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	OTTAWA HYDRO-5 L TRANSF. OIL TO GROUND, EQUIPMENT FAILURE, ONGOING CLEANUP.		
Contaminant Qty:			

[16](#) 1 of 1 **NNW/114.9** **72.9 / 0.43** **Teb-Mar Products Inc.**
313 Laurier Ave E
Ottawa ON K1N 6P8 **SCT**

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Established: Plant Size (ft²): Employment:		1994			
		4			
--Details--					
Description:		Cutlery and Hand Tool Manufacturing			
SIC/NAICS Code:		332210			
17	1 of 2	E/125.3	68.2 / -4.30	CARLETON CONDOMINIUM CORP 333 Chapel St Ottawa ON K1N8A3	GEN
Generator No:		ON3954931		PO Box No:	
Status:		Registered		Country:	Canada
Approval Years:		As of Jul 2020		Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:					
SIC Description:					
<u>Detail(s)</u>					
Waste Class:		252 L			
Waste Class Desc:		Waste crankcase oils and lubricants			
17	2 of 2	E/125.3	68.2 / -4.30	CARLETON CONDOMINIUM CORP 333 Chapel St Ottawa ON K1N8A3	GEN
Generator No:		ON3954931		PO Box No:	
Status:		Registered		Country:	Canada
Approval Years:		As of Jan 2021		Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:					
SIC Description:					
<u>Detail(s)</u>					
Waste Class:		252 L			
Waste Class Desc:		Waste crankcase oils and lubricants			
18	1 of 2	NE/132.9	72.0 / -0.49	Epic Realty Partners 340 Laurier Ave. Ottawa ON	GEN
Generator No:		ON6191200		PO Box No:	
Status:				Country:	
Approval Years:		2013		Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:		521310			
SIC Description:					
<u>Detail(s)</u>					
Waste Class:		251			
Waste Class Desc:		OIL SKIMMINGS & SLUDGES			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
18	2 of 2	NE/132.9	72.0 / -0.49	TNC 340 Laurier Ltd 340 Laurier Ottawa ON	GEN
Generator No:	ON2961230			PO Box No:	
Status:				Country:	
Approval Years:	2013			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	531310				
SIC Description:	REAL ESTATE PROPERTY MANAGERS				
Detail(s)					
Waste Class:	148				
Waste Class Desc:	INORGANIC LABORATORY CHEMICALS				
Waste Class:	145				
Waste Class Desc:	PAINT/PIGMENT/COATING RESIDUES				
Waste Class:	212				
Waste Class Desc:	ALIPHATIC SOLVENTS				
Waste Class:	122				
Waste Class Desc:	ALKALINE WASTES - OTHER METALS				
Waste Class:	135				
Waste Class Desc:	REACTIVE ANION WASTES				
Waste Class:	211				
Waste Class Desc:	AROMATIC SOLVENTS				
19	1 of 1	ENE/134.3	69.9 / -2.52	OTTAWA HYDRO 14 BLACKBURN AVE. TRANSFORMER OTTAWA CITY ON K1N 8A3	SPL
Ref No:	101640			Discharger Report:	
Site No:				Material Group:	
Incident Dt:	6/21/1994			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:	POSSIBLE			Site Municipality:	20101
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:	6/21/1994			Site Map Datum:	
Dt Document Closed:				SAC Action Class:	
Incident Reason:	MATERIAL FAILURE			Source Type:	
Site Name:					
Site County/District:					
Site Geo Ref Meth:					
Incident Summary:	OTTAWA HYDRO: 0.5L PCB TRANSFORMER OIL LEAK FROMPOLE MOUNT TRANSFORMER				
Contaminant Qty:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
20	1 of 1	NE/136.7	70.6 / -1.89	CHURCH ALL SAINTS CHURCH 317 CHAPEL ST. OTTAWA CITY ON K1N 7Z2	SPL
Ref No:	47841			Discharger Report:	
Site No:				Material Group:	
Incident Dt:	3/20/1991			Health/Env Conseq:	
Year:				Client Type:	
Incident Cause:	VALVE/FITTING LEAK OR FAILURE			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:	Water course or lake			Site Lot:	
Receiving Medium:	LAND			Site Conc:	
Receiving Env:				Northing:	
MOE Response:				Easting:	FIRST FUELS
Dt MOE Arvl on Scn:				Site Geo Ref Accu:	
MOE Reported Dt:	3/20/1991			Site Map Datum:	
Dt Document Closed:				SAC Action Class:	
Incident Reason:	GASKET/JOINT			Source Type:	
Site Name:					
Site County/District:					
Site Geo Ref Meth:					
Incident Summary:	ALL SAINTS CHURCH - STOVEOIL TO GROUND FROM LEAKY PUMP SEAL ON BOILER				
Contaminant Qty:					

21	1 of 2	NW/138.3	72.9 / 0.43	A. POTVIN CONSTRUCTION LTD. 353 FRIEL STREET (SWM) OTTAWA ON K1N 7W7	CA
Certificate #:	3-0130-98-				
Application Year:	98				
Issue Date:	3/9/1998				
Approval Type:	Municipal sewage				
Status:	Approved				
Application Type:					
Client Name:					
Client Address:					
Client City:					
Client Postal Code:					
Project Description:					
Contaminants:					
Emission Control:					

21	2 of 2	NW/138.3	72.9 / 0.43	353 Friel St Ottawa ON K1N7W7	EHS
Order No:	20150312086			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Custom Report			Client Prov/State:	ON
Report Date:	18-MAR-15			Search Radius (km):	.25
Date Received:	12-MAR-15			X:	-75.679437
Previous Site Name:				Y:	45.42728
Lot/Building Size:					
Additional Info Ordered:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
22	1 of 3	W/139.6	72.9 / 0.43	OTTAWA CITY SWEETLAND AVE./LAURIER AVE./SO OTTAWA CITY ON	CA
<p> Certificate #: 3-0715-90- Application Year: 90 Issue Date: 5/23/1990 Approval Type: Municipal sewage Status: Approved Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control: </p>					
22	2 of 3	W/139.6	72.9 / 0.43	R.M. OF OTTAWA-CARLETON SWEETLAND AVE./LAURIER AVE./SO OTTAWA CITY ON	CA
<p> Certificate #: 7-0617-90- Application Year: 90 Issue Date: 5/23/1990 Approval Type: Municipal water Status: Approved Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control: </p>					
22	3 of 3	W/139.6	72.9 / 0.43	Laurier Avenue East and Sweetland Avenue<UNOFFICIAL> Ottawa ON	SPL
<p> Ref No: 8516-6EY4AM Site No: Incident Dt: 8/4/2005 Year: Incident Cause: Incident Event: Contaminant Code: Contaminant Name: GASOLINE Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: Environment Impact: Not Anticipated Nature of Impact: Surface Water Pollution Receiving Medium: Water Receiving Env: MOE Response: Dt MOE Arvl on Scn: MOE Reported Dt: 8/4/2005 Dt Document Closed: Incident Reason: Site Name: Laurier Avenue East and Sweetland Avenue<UNOFFICIAL> </p> <p> Discharger Report: 0 Material Group: Oil Health/Env Conseq: Client Type: Sector Type: Agency Involved: Nearest Watercourse: Site Address: Site District Office: Ottawa Site Postal Code: Site Region: Site Municipality: Ottawa Site Lot: Site Conc: Northing: Easting: Site Geo Ref Accu: Site Map Datum: SAC Action Class: Spills to Watercourses Source Type: </p>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Site County/District: Site Geo Ref Meth: Incident Summary: Ottawa: 1/2 tank of gasoline to catchbasin from vehicle Contaminant Qty: 20 L					
23	1 of 1	NE/139.7	72.0 / -0.49	315 Chapel St Ottawa ON	EHS
Order No: 20161104073 Status: C Report Type: Custom Report Report Date: 11-NOV-16 Date Received: 04-NOV-16 Previous Site Name: Lot/Building Size: Additional Info Ordered:					
Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .3 X: -75.677325 Y: 45.427376					
24	1 of 5	NW/140.1	72.9 / 0.43	301 Laurier Ave E Ottawa ON K1N 6P8	EHS
Order No: 20200319145 Status: C Report Type: Standard Report Report Date: 24-MAR-20 Date Received: 19-MAR-20 Previous Site Name: Lot/Building Size: Additional Info Ordered:					
Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .25 X: -75.6794332 Y: 45.4273026					
24	2 of 5	NW/140.1	72.9 / 0.43	301 Laurier Ave E Ottawa ON K1N 6P8	EHS
Order No: 20200319145 Status: C Report Type: Standard Report Report Date: 24-MAR-20 Date Received: 19-MAR-20 Previous Site Name: Lot/Building Size: Additional Info Ordered:					
Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .25 X: -75.6794332 Y: 45.4273026					
24	3 of 5	NW/140.1	72.9 / 0.43	301 Laurier Ave E Ottawa ON K1N 6P8	EHS
Order No: 20200319145 Status: C Report Type: Standard Report Report Date: 24-MAR-20 Date Received: 19-MAR-20 Previous Site Name: Lot/Building Size: Additional Info Ordered:					
Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .25 X: -75.6794332 Y: 45.4273026					
24	4 of 5	NW/140.1	72.9 / 0.43	301 Laurier Ave E Ottawa ON K1N 6P8	EHS
Order No: 20200319145 Nearest Intersection:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Status: C Report Type: Standard Report Report Date: 24-MAR-20 Date Received: 19-MAR-20 Previous Site Name: Lot/Building Size: Additional Info Ordered:					
Municipality: Client Prov/State: ON Search Radius (km): .25 X: -75.6794332 Y: 45.4273026					
24	5 of 5	NW/140.1	72.9 / 0.43	301 Laurier Ave E Ottawa ON K1N 6P8	EHS
Order No: 20200319145 Status: C Report Type: Standard Report Report Date: 24-MAR-20 Date Received: 19-MAR-20 Previous Site Name: Lot/Building Size: Additional Info Ordered:					
Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .25 X: -75.6794332 Y: 45.4273026					
25	1 of 1	SSW/141.7	70.7 / -1.79	Enbridge Gas Distribution Inc. 63 Sweetland Avenue Ottawa ON	SPL
Ref No: 4517-8Y6RJM Site No: Incident Dt: 15-SEP-12 Year: Incident Cause: Unknown / N/A Incident Event: Contaminant Code: 35 Contaminant Name: NATURAL GAS (METHANE) Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: Environment Impact: Confirmed Nature of Impact: Air Pollution Receiving Medium: Receiving Env: MOE Response: Not MOE mandate Dt MOE Arvl on Scn: MOE Reported Dt: 15-SEP-12 Dt Document Closed: 08-JAN-13 Incident Reason: Unknown / N/A Site Name: 63 Sweetland Avenue<UNOFFICIAL> Site County/District: Site Geo Ref Meth: Incident Summary: TSSA: 1-1/4" Line Strike - made safe Contaminant Qty: 0 kg					
Discharger Report: Material Group: Health/Env Conseq: Client Type: Sector Type: Pipeline/Components Agency Involved: Nearest Watercourse: Site Address: 63 Sweetland Avenue Site District Office: Site Postal Code: Site Region: Site Municipality: Ottawa Site Lot: Site Conc: Northing: Easting: Site Geo Ref Accu: Site Map Datum: SAC Action Class: TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill Source Type:					
26	1 of 1	W/144.5	72.9 / 0.43	GWL REATLY ADVISORS 271 LAURIER Avenue East OTTAWA ON K1N6P7	NPRI
NPRI ID: 8800001869 Other ID: No Other ID: Track ID: Report ID:					
Org ID: Submit Date: Last Modified: Contact ID: Cont Type: MED					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Report Type:				Contact Title:	Mr.
Rpt Type ID:				Cont First Name:	WAYNE
Report Year:	2004			Cont Last Name:	PROULX
Not-Current Rpt?:				Contact Position:	MANAGER ENERGY ENVIRONMENTAL SERVICES
Yr of Last Filed Rpt:				Contact Fax:	
Fac ID:				Contact Ph.:	
Fac Name:	271 LAURIER AVE E			Cont Area Code:	905
Fac Address1:				Contact Tel.:	3618193
Fac Address2:				Contact Ext.:	
Fac Postal Zip:				Cont Fax Area Cde:	905
Facility Lat:				Contact Fax:	3618188
Facility Long:				Contact Email:	wayne.proulx@gwlra.com
DLS (Last Filed Rpt):				Latitude:	
Facility DLS:				Longitude:	
Datum:				UTM Zone:	
Facility Cmnts:				UTM Northing:	
URL:				UTM Easting:	
No of Empl.:	10			Waste Streams:	
Parent Co.:				No Streams:	
No Parent Co.:				Waste Off Sites:	
Pollut Prev Cmnts:				No Off Sites:	
Stacks:				Shutdown:	
No of Stacks:				No of Shutdown:	
Canadian SIC Code (2 digit):					
Canadian SIC Code:					
SIC Code Description:					
American SIC Code:					
NAICS Code (2 digit):	53				
NAICS 2 Description:	Real Estate and Rental and Leasing				
NAICS Code (4 digit):	5311				
NAICS 4 Description:	Lessors of Real Estate				
NAICS Code (6 digit):	531120				
NAICS 6 Description:	Lessors of Non-Residential Buildings (except Mini-Warehouses)				

Substance Release Report

CAS No:	811-97-2
Report ID:	
Rpt Period:	2004
Subst Released:	HFC-134a Hydrofluorocarbon
Air:	
Water:	
Land:	
Total Releases:	
Units:	tonnes
CAS No:	7446-09-5
Report ID:	
Rpt Period:	2004
Subst Released:	Sulphur dioxide
Air:	
Water:	
Land:	
Total Releases:	
Units:	tonnes
CAS No:	NA - M16
Report ID:	
Rpt Period:	2004
Subst Released:	Volatile Organic Compounds (VOCs)
Air:	
Water:	
Land:	
Total Releases:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Units:		tonnes			
CAS No:		NA - M09			
Report ID:					
Rpt Period:		2004			
Subst Released:		PM10 - Particulate Matter <= 10 Microns			
Air:					
Water:					
Land:					
Total Releases:					
Units:		tonnes			
CAS No:		10024-97-2			
Report ID:					
Rpt Period:		2004			
Subst Released:		Nitrous oxide			
Air:					
Water:					
Land:					
Total Releases:					
Units:		tonnes			
CAS No:		124-38-9			
Report ID:					
Rpt Period:		2004			
Subst Released:		Carbon dioxide			
Air:					
Water:					
Land:					
Total Releases:					
Units:		tonnes			
CAS No:		74-82-8			
Report ID:					
Rpt Period:		2004			
Subst Released:		Methane			
Air:					
Water:					
Land:					
Total Releases:					
Units:		tonnes			
CAS No:		NA - M10			
Report ID:					
Rpt Period:		2004			
Subst Released:		PM2.5 - Particulate Matter <= 2.5 Microns			
Air:					
Water:					
Land:					
Total Releases:					
Units:		tonnes			
CAS No:		11104-93-1			
Report ID:					
Rpt Period:		2004			
Subst Released:		Nitrogen oxides (expressed as NO2)			
Air:					
Water:					
Land:					
Total Releases:					
Units:		tonnes			
CAS No:		630-08-0			
Report ID:					
Rpt Period:		2004			
Subst Released:		Carbon monoxide			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Air: Water: Land: Total Releases: Units: tonnes CAS No: NA - M08 Report ID: Rpt Period: 2004 Subst Released: PM - Total Particulate Matter Air: Water: Land: Total Releases: Units: tonnes					
27	1 of 2	S/147.9	70.7 / -1.79	City of Ottawa Blackburn Avenue, Chapel Street Ottawa ON K1V 6A6	ECA
Approval No: 2328-5B9JEF Approval Date: 2002-06-19 Status: Approved Record Type: ECA Link Source: IDS SWP Area Name: Rideau Valley Approval Type: ECA-Municipal and Private Water Works Project Type: Municipal and Private Water Works Business Name: City of Ottawa Address: Blackburn Avenue, Chapel Street Full Address: Full PDF Link:					
27	2 of 2	S/147.9	70.7 / -1.79	City of Ottawa Blackburn Avenue, Chapel Street Ottawa ON K1V 6A6	ECA
Approval No: 0963-5B9HS6 Approval Date: 2002-06-19 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 Business Name: City of Ottawa Address: Blackburn Avenue, Chapel Street Full Address: Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/2338-5B4PFF-14.pdf					
28	1 of 1	WNW/149.5	72.9 / 0.43	Parson Refrigeration (1985) Ltd. 273 Laurier Ave Ottawa ON	SPL
Ref No: 1530-7LPH7A Site No: Incident Dt: Year: Incident Cause: Pipe Or Hose Leak Incident Event: Contaminant Code: n/a Discharger Report: Material Group: Health/Env Conseq: Client Type: Sector Type: Other Agency Involved: Nearest Watercourse:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Contaminant Name: REFRIGERANT GAS R12 Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: Environment Impact: Not Anticipated Nature of Impact: Air Pollution Receiving Medium: Receiving Env: MOE Response: No Field Response Dt MOE Arvl on Scn: MOE Reported Dt: 11/24/2008 Dt Document Closed: 11/26/2008 Incident Reason: Spill Site Name: Grenon's Your Independant Grocer<UNOFFICIAL> Site County/District: Site Geo Ref Meth: Incident Summary: Grenon's Grocer: 25 lbs refrigerant to atm Contaminant Qty: 12 kg					
29	1 of 1	NNW/153.3	72.8 / 0.37	288 Chapel Street Ottawa ON K1N 7Y9	EHS
Order No: 20180718277 Status: C Report Type: Custom Report Report Date: 10-AUG-18 Date Received: 18-JUL-18 Previous Site Name: Lot/Building Size: Additional Info Ordered:					
Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .25 X: -75.678864 Y: 45.427646					
30	1 of 1	WNW/155.0	72.9 / 0.43	261 Laurier Avenue East Ottawa ON K1N 6P7	EHS
Order No: 20181109029 Status: C Report Type: Standard Report Report Date: 14-NOV-18 Date Received: 09-NOV-18 Previous Site Name: Lot/Building Size: Additional Info Ordered:					
Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .25 X: -75.680201 Y: 45.426727					
31	1 of 1	SE/158.5	65.2 / -7.29	71 Russell Avenue Ottawa ON K1N 7X2	EHS
Order No: 20180416021 Status: C Report Type: RSC Report (Urban) Report Date: 23-APR-18 Date Received: 16-APR-18 Previous Site Name: Lot/Building Size: Additional Info Ordered: Fire Insur. Maps and/or Site Plans; Title Searches					
Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .3 X: -75.677154 Y: 45.42515					
32	1 of 1	W/162.8	72.9 / 0.43	Wincon Construction 1986 Ltd 265 Laurier Ave East Ottawa ON K1N 6P7	GEN

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Generator No: ON9187474 Status: Approval Years: 2016 Contam. Facility: No MHSW Facility: No SIC Code: 236210 SIC Description: INDUSTRIAL BUILDING AND STRUCTURE CONSTRUCTION PO Box No: Country: Canada Choice of Contact: CO_OFFICIAL Co Admin: Phone No Admin:					
Detail(s)					
Waste Class: 221 Waste Class Desc: LIGHT FUELS					
33	1 of 1	WNW/163.8	72.9 / 0.43	261 Laurier Avenue East and 400 Friel Street Ottawa ON	EHS
Order No: 20101026003 Status: C Report Type: Custom Report Report Date: 11/1/2010 Date Received: 10/26/2010 8:53:00 AM Previous Site Name: Lot/Building Size: Additional Info Ordered: Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): 0.25 X: -75.680268 Y: 45.426835					
34	1 of 1	WNW/164.7	72.9 / 0.43	353 Friel Street Ottawa ON	EHS
Order No: 20131004033 Status: C Report Type: Standard Report Report Date: 16-OCT-13 Date Received: 04-OCT-13 Previous Site Name: Lot/Building Size: Additional Info Ordered: Fire Insur. Maps and/or Site Plans Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .25 X: -75.679971 Y: 45.42723					
35	1 of 2	WNW/173.6	72.9 / 0.43	362 Friel Street Ottawa ON K1N 7W6	EHS
Order No: 20110620001 Status: C Report Type: Standard Report Report Date: 6/28/2011 Date Received: 6/20/2011 8:39:23 AM Previous Site Name: Lot/Building Size: Additional Info Ordered: Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): 0.25 X: -75.680189 Y: 45.427148					
35	2 of 2	WNW/173.6	72.9 / 0.43	362 Friel St Ottawa ON K1N7W6	EHS
Order No: 20170403005 Status: C Report Type: Standard Report Report Date: 06-APR-17 Date Received: 03-APR-17 Previous Site Name: Lot/Building Size: Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .25 X: -75.680189 Y: 45.427148					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Additional Info Ordered:		Fire Insur. Maps and/or Site Plans			
36	1 of 1	WSW/175.9	72.9 / 0.45	Nelson Place Apartments Inc. 305 Nelson St Ottawa ON K2C 1V1	ECA
Approval No:	6360-79LKH7	MOE District:	Ottawa		
Approval Date:	2007-12-05	City:			
Status:	Approved	Longitude:	-75.68024		
Record Type:	ECA	Latitude:	45.42553		
Link Source:	IDS	Geometry X:			
SWP Area Name:	Rideau Valley	Geometry Y:			
Approval Type:	ECA-AIR				
Project Type:	AIR				
Business Name:	Nelson Place Apartments Inc.				
Address:	305 Nelson St				
Full Address:					
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/6240-73WS3C-14.pdf				
37	1 of 1	SW/183.9	71.9 / -0.57	359 NELSON STREET, OTTAWA ON	INC
Incident No:	1019064	Any Health Impact:	No		
Incident ID:		Any Enviro Impact:	No		
Instance No:		Service Interrupted:	Yes		
Status Code:		Was Prop Damaged:	No		
Attribute Category:	FS-Perform L1 Incident Insp	Reside App. Type:			
Context:		Commer App. Type:			
Date of Occurrence:	2013/01/26 00:00:00	Indus App. Type:			
Time of Occurrence:	20:00:00	Institut App. Type:			
Incident Created On:		Venting Type:			
Instance Creation Dt:		Vent Conn Mater:			
Instance Install Dt:		Vent Chimney Mater:			
Occur Insp Start Date:	2013/01/27 00:00:00	Pipeline Type:			
Approx Quant Rel:		Pipeline Involved:			
Tank Capacity:		Pipe Material:			
Fuels Occur Type:	Vapour Release	Depth Ground Cover:			
Fuel Type Involved:	Propane	Regulator Location:			
Enforcement Policy:	NULL	Regulator Type:			
Prc Escalation Req:	NULL	Operation Pressure:			
Tank Material Type:		Liquid Prop Make:			
Tank Storage Type:		Liquid Prop Model:			
Tank Location Type:		Liquid Prop Serial No:			
Pump Flow Rate Cap:		Liquid Prop Notes:			
Task No:	4305206	Equipment Type:			
Notes:		Equipment Model:			
Drainage System:		Serial No:			
Sub Surface Contam.:		Cylinder Capacity:			
Aff Prop Use Water:		Cylinder Cap Units:			
Contam. Migrated:		Cylinder Mat Type:			
Contact Natural Env:		Near Body of Water:			
Incident Location:	359 NELSON STREET, OTTAWA - VAPOUR RELEASE				
Occurrence Narrative:	Gas leak was very minor but ver noticeable due to low propane level in cylinder.				
Operation Type Involved:	Multi-unit Residential				
Item:					
Item Description:					
Device Installed Location:					
38	1 of 2	NE/186.8	70.7 / -1.76	Enbridge Gas Distribution Inc. 5 Blackburn Avenue	SPL

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Ottawa ON K1N 8A2					
Ref No:	2608-8TUQQ8			Discharger Report:	
Site No:				Material Group:	
Incident Dt:	30-APR-12			Health/Env Conseq:	
Year:				Client Type:	
Incident Cause:	Discharge or Emission to Air			Sector Type:	Pipeline
Incident Event:				Agency Involved:	
Contaminant Code:	35			Nearest Watercourse:	
Contaminant Name:	NATURAL GAS (METHANE)			Site Address:	5 Blackburn Avenue
Contaminant Limit 1:				Site District Office:	
Contam Limit Freq 1:				Site Postal Code:	
Contaminant UN No 1:				Site Region:	
Environment Impact:	Confirmed			Site Municipality:	Ottawa
Nature of Impact:	Air Pollution			Site Lot:	
Receiving Medium:	Sewage - Municipal/Private and Commercial			Site Conc:	
Receiving Env:				Northing:	
MOE Response:	Not MOE mandate			Easting:	
Dt MOE Arvl on Scr:				Site Geo Ref Accu:	
MOE Reported Dt:	30-APR-12			Site Map Datum:	
Dt Document Closed:				SAC Action Class:	TSSA - Fuel Safety Branch
Incident Reason:	Spill			Source Type:	
Site Name:	Private Residence <UNOFFICIAL>				
Site County/District:					
Site Geo Ref Meth:					
Incident Summary:	TSSA FSB: Evacuation of 4 homes, 1 commercial bldg				
Contaminant Qty:					
38	2 of 2	NE/186.8	70.7 / -1.76	5 Blackburn Avenue, Ottawa ON	PINC
Incident ID:				Pipe Material:	
Incident No:	801266			Fuel Category:	Natural Gas
Incident Reported Dt:				Health Impact:	
Type:	FS-Pipeline Incident			Environment Impact:	
Status Code:	Pipeline Damage Reason Est			Property Damage:	Yes
Tank Status:	RC Established			Service Interrupt:	
Task No:	3816273			Enforce Policy:	No
Spills Action Centre:				Public Relation:	
Fuel Type:				Pipeline System:	
Fuel Occurrence Tp:				PSIG:	
Date of Occurrence:				Attribute Category:	FS-Perform P-line Inc Invest
Occurrence Start Dt:	2012/04/30			Regulator Location:	
Depth:				Method Details:	E-mail
Customer Acct Name:					
Incident Address:					
Operation Type:					
Pipeline Type:					
Regulator Type:					
Summary:	5 Blackburn Avenue, Ottawa - 1" Pipeline Hit				
Reported By:	Michael Gruttner - Enbridge-Ottawa				
Affiliation:					
Occurrence Desc:					
Damage Reason:	Deteriorated facility				
Notes:					
39	1 of 1	S/187.4	66.9 / -5.57	65 Sweetland Ave Ottawa ON K1N7T9	EHS
Order No:	20170328051			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Standard Report			Client Prov/State:	ON

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Report Date:	31-MAR-17			Search Radius (km): .25	
Date Received:	28-MAR-17			X: -75.67824	
Previous Site Name:				Y: 45.424638	
Lot/Building Size:					
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans				

40	1 of 2	NW/189.8	72.9 / 0.43	338 Wilbrod St Ottawa ON	SPL
Ref No:	2820-AYYSP4			Discharger Report:	
Site No:	NA			Material Group:	
Incident Dt:	2018/05/21			Health/Env Conseq:	2 - Minor Environment
Year:				Client Type:	
Incident Cause:				Sector Type:	Unknown / N/A
Incident Event:	Leak/Break			Agency Involved:	
Contaminant Code:	35			Nearest Watercourse:	
Contaminant Name:	NATURAL GAS (METHANE)			Site Address:	338 Wilbrod St
Contaminant Limit 1:				Site District Office:	Ottawa
Contam Limit Freq 1:				Site Postal Code:	
Contaminant UN No 1:	1075			Site Region:	Eastern
Environment Impact:				Site Municipality:	Ottawa
Nature of Impact:				Site Lot:	
Receiving Medium:				Site Conc:	
Receiving Env:	Air			Northing:	5030709
MOE Response:	No			Easting:	446823.66
Dt MOE Arvl on Scn:				Site Geo Ref Accu:	Map
MOE Reported Dt:	2018/05/21			Site Map Datum:	
Dt Document Closed:				SAC Action Class:	TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill
Incident Reason:	Operator/Human Error			Source Type:	Pipeline/Components
Site Name:	Private residence<UNOFFICIAL>				
Site County/District:					
Site Geo Ref Meth:	10 -100 metres eg. Topographic Map				
Incident Summary:	TSSA FSB - 1.25" plastic IP hit by contractor				
Contaminant Qty:	0 other - see incident description				

40	2 of 2	NW/189.8	72.9 / 0.43	PIPELINE HIT 1 1/4" 338 WILBROD ST,,OTTAWA,ON,K1N 6M5,CA ON	PINC
Incident ID:				Pipe Material:	
Incident No:	2309390			Fuel Category:	
Incident Reported Dt:	5/22/2018			Health Impact:	
Type:	FS-Pipeline Incident			Environment Impact:	
Status Code:				Property Damage:	
Tank Status:	Pipeline Damage Reason Est			Service Interrupt:	
Task No:				Enforce Policy:	
Spills Action Centre:				Public Relation:	
Fuel Type:				Pipeline System:	
Fuel Occurrence Tp:				PSIG:	
Date of Occurrence:				Attribute Category:	
Occurrence Start Dt:				Regulator Location:	
Depth:				Method Details:	
Customer Acct Name:	PIPELINE HIT 1 1/4"				
Incident Address:	338 WILBROD ST,,OTTAWA,ON,K1N 6M5,CA				
Operation Type:					
Pipeline Type:					
Regulator Type:					
Summary:					
Reported By:					
Affiliation:					
Occurrence Desc:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Damage Reason:					
Notes:					
41	1 of 1	SW/189.8	71.9 / -0.57	Tina Martins-Campagna 355-361 Nelson St Ottawa ON	ECA
Approval No:	4154-B97NZG			MOE District:	
Approval Date:	2019-02-15			City:	
Status:	Approved			Longitude:	
Record Type:	ECA			Latitude:	
Link Source:	IDS			Geometry X:	
SWP Area Name:				Geometry Y:	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS				
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS				
Business Name:	Tina Martins-Campagna				
Address:	355-361 Nelson St				
Full Address:					
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/5687-B3QL82-14.pdf				
42	1 of 1	NW/193.7	72.9 / 0.43	351 Friel St Ottawa ON K1N 7W7	EHS
Order No:	20180109026			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Standard Express Report			Client Prov/State:	ON
Report Date:	09-JAN-18			Search Radius (km):	.25
Date Received:	09-JAN-18			X:	-75.680055
Previous Site Name:				Y:	45.427556
Lot/Building Size:					
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans; City Directory; Aerial Photos				
43	1 of 1	SSE/195.5	65.3 / -7.18	2478014 Ontario Limited 84 Russell Ave Ottawa ON K1W 0H9	ECA
Approval No:	7658-ATJPWQ			MOE District:	
Approval Date:	2017-11-30			City:	
Status:	Approved			Longitude:	
Record Type:	ECA			Latitude:	
Link Source:	IDS			Geometry X:	
SWP Area Name:				Geometry Y:	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS				
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS				
Business Name:	2478014 Ontario Limited				
Address:	84 Russell Ave				
Full Address:					
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/7920-ANCSCR-14.pdf				
44	1 of 6	WNW/195.8	72.9 / 0.43	360 Friel Street Ottawa ON K1N 7W7	EHS
Order No:	20191205122			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Standard Report			Client Prov/State:	ON
Report Date:	10-DEC-19			Search Radius (km):	.25
Date Received:	05-DEC-19			X:	-75.680394
Previous Site Name:				Y:	45.427293
Lot/Building Size:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Additional Info Ordered:		Fire Insur. Maps and/or Site Plans			
44	2 of 6	WNW/195.8	72.9 / 0.43	360 Friel Street Ottawa ON K1N 7W7	EHS
Order No:	20191205122			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Standard Report			Client Prov/State:	ON
Report Date:	10-DEC-19			Search Radius (km):	.25
Date Received:	05-DEC-19			X:	-75.680394
Previous Site Name:				Y:	45.427293
Lot/Building Size:					
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans				
44	3 of 6	WNW/195.8	72.9 / 0.43	360 Friel Street Ottawa ON K1N 7W7	EHS
Order No:	20191205122			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Standard Report			Client Prov/State:	ON
Report Date:	10-DEC-19			Search Radius (km):	.25
Date Received:	05-DEC-19			X:	-75.680394
Previous Site Name:				Y:	45.427293
Lot/Building Size:					
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans				
44	4 of 6	WNW/195.8	72.9 / 0.43	360 Friel Street Ottawa ON K1N 7W7	EHS
Order No:	20191205122			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Standard Report			Client Prov/State:	ON
Report Date:	10-DEC-19			Search Radius (km):	.25
Date Received:	05-DEC-19			X:	-75.680394
Previous Site Name:				Y:	45.427293
Lot/Building Size:					
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans				
44	5 of 6	WNW/195.8	72.9 / 0.43	360 Friel Street Ottawa ON K1N 7W7	EHS
Order No:	20191205122			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Standard Report			Client Prov/State:	ON
Report Date:	10-DEC-19			Search Radius (km):	.25
Date Received:	05-DEC-19			X:	-75.680394
Previous Site Name:				Y:	45.427293
Lot/Building Size:					
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans				
44	6 of 6	WNW/195.8	72.9 / 0.43	360 Friel Street Ottawa ON K1N 7W7	EHS
Order No:	20191205122			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Standard Report			Client Prov/State:	ON
Report Date:	10-DEC-19			Search Radius (km):	.25

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Date Received: 05-DEC-19 Previous Site Name: Lot/Building Size: Additional Info Ordered: Fire Insur. Maps and/or Site Plans					
45	1 of 2	SSW/205.1	70.3 / -2.18	146 through 170 Osgoode Street Ottawa ON K1N 6S6	EHS
Order No: 20070723006 Status: C Report Type: CAN - Waste Disposal Site Report Report Date: 7/24/2007 Date Received: 7/23/2007 Previous Site Name: Lot/Building Size: Additional Info Ordered: Fire Insur. Maps And /or Site Plans; Title Search; City Directory					
Nearest Intersection: Nelson Street Municipality: Client Prov/State: Search Radius (km): 0.5 X: -75.679118 Y: 45.424557					
45	2 of 2	SSW/205.1	70.3 / -2.18	146 - 170 Osgoode Street Ottawa ON K1N 6S6	EHS
Order No: 20110610026 Status: C Report Type: Custom Report Report Date: 6/17/2011 Date Received: 6/10/2011 3:06:57 PM Previous Site Name: Lot/Building Size: Additional Info Ordered:					
Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): 0.25 X: -75.679171 Y: 45.424582					
46	1 of 3	NW/212.1	72.9 / 0.43	330 Wilbrod Street Ottawa ON K1N 6M5	EHS
Order No: 20311300190 Status: C Report Type: Standard Report Report Date: 18-NOV-20 Date Received: 13-NOV-20 Previous Site Name: Lot/Building Size: 610.79 m ² Additional Info Ordered:					
Nearest Intersection: Municipality: Ottawa Client Prov/State: ON Search Radius (km): .25 X: -75.6800154 Y: 45.4278046					
46	2 of 3	NW/212.1	72.9 / 0.43	330 Wilbrod Street Ottawa ON K1N 6M5	EHS
Order No: 20311300190 Status: C Report Type: Standard Report Report Date: 18-NOV-20 Date Received: 13-NOV-20 Previous Site Name: Lot/Building Size: 610.79 m ² Additional Info Ordered:					
Nearest Intersection: Municipality: Ottawa Client Prov/State: ON Search Radius (km): .25 X: -75.6800154 Y: 45.4278046					
46	3 of 3	NW/212.1	72.9 / 0.43	330 Wilbrod Street Ottawa ON K1N 6M5	EHS
Order No: 20311300190 Nearest Intersection:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Status: C Report Type: Standard Report Report Date: 18-NOV-20 Date Received: 13-NOV-20 Previous Site Name: Lot/Building Size: 610.79 m ² Additional Info Ordered:					
47	1 of 1	W/215.2	72.9 / 0.46	245 Laurier Ave E Ottawa ON K1N6P7	EHS
Order No: 20131202009 Status: C Report Type: Custom Report Report Date: 06-DEC-13 Date Received: 02-DEC-13 Previous Site Name: Lot/Building Size: Additional Info Ordered:					
Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .25 X: -75.681054 Y: 45.426327					
48	1 of 1	SSW/215.5	68.9 / -3.57	68 Sweetland Ave Ottawa ON K1N 7T8	EHS
Order No: 20190624079 Status: C Report Type: Standard Report Report Date: 28-JUN-19 Date Received: 24-JUN-19 Previous Site Name: Lot/Building Size: Additional Info Ordered: Fire Insur. Maps and/or Site Plans					
Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .25 X: -75.679035 Y: 45.424454					
49	1 of 2	SE/218.6	61.1 / -11.37	368 Chapel St. Inc. 368 Chapel Street Ottawa, ON K2G 0G5 Canada ON	EBR
EBR Registry No: 013-5219 Ministry Ref No: 7178-BAWL8G Notice Type: Instrument Notice Stage: Decision Notice Date: Proposal Date: May 16, 2019 Year: 2019 Instrument Type: Environmental Compliance Approval (sewage) Off Instrument Name: Environmental Compliance Approval (sewage) (OWRA s.53) Posted By: Ministry of the Environment, Conservation and Parks Company Name: Site Address: 368 Chapel Street Ottawa, ON K2G 0G5 Canada Location Other: Proponent Name: 368 Chapel St. Inc. Proponent Address: 225 Hudson Avenue Ottawa, ON K2G 0G5 Canada Comment Period: May 16, 2019 - June 30, 2019 (45 days) Closed URL: https://ero.ontario.ca/notice/013-5219					
Decision Posted: October 7, 2019 Exception Posted: Section: Part II.1 (20.3 or 20.5) Act 1: Environmental Protection Act, R.S.O. 1990 Act 2: Environmental Protection Act Site Location Map: 45.424966,-75.676261					

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

Site Location Details:

49	2 of 2	SE/218.6	61.1 / -11.37	368 Chapel St. Inc. 368 Chapel Street Ottawa ON K2G 0G5	ECA
Approval No:	2249-BG4NH7			MOE District:	Ottawa
Approval Date:	2019-09-24			City:	
Status:	Approved			Longitude:	-75.67637
Record Type:	ECA			Latitude:	45.4249
Link Source:	IDS			Geometry X:	
SWP Area Name:	Rideau Valley			Geometry Y:	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS				
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS				
Business Name:	368 Chapel St. Inc.				
Address:	368 Chapel Street				
Full Address:					
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/7178-BAWL8G-14.pdf				

50	1 of 2	WNW/223.1	72.9 / 0.43	300 1/2 Wilbrod St Ottawa ON K1N6M1	EHS
Order No:	20140407005			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Custom Report			Client Prov/State:	ON
Report Date:	10-APR-14			Search Radius (km):	.25
Date Received:	07-APR-14			X:	-75.680766
Previous Site Name:				Y:	45.427337
Lot/Building Size:					
Additional Info Ordered:					

50	2 of 2	WNW/223.1	72.9 / 0.43	300 ½ Wilbrod Street Ottawa ON K1N 6M1	EHS
Order No:	20190206038			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Standard Report			Client Prov/State:	ON
Report Date:	11-FEB-19			Search Radius (km):	.25
Date Received:	06-FEB-19			X:	-75.680766
Previous Site Name:				Y:	45.427337
Lot/Building Size:					
Additional Info Ordered:					

51	1 of 2	W/223.4	72.2 / -0.27	R.M. OF OTTAWA-CARLETON LAURIER AVE/NELSON ST. OTTAWA CITY ON	CA
Certificate #:	7-0603-97-				
Application Year:	97				
Issue Date:	7/8/1997				
Approval Type:	Municipal water				
Status:	Approved				
Application Type:					
Client Name:					
Client Address:					
Client City:					
Client Postal Code:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Project Description:					
Contaminants:					
Emission Control:					
51	2 of 2	W/223.4	72.2 / -0.27	OTTAWA CITY LAURIER AVE.E/NELSON ST. OTTAWA CITY ON	CA
Certificate #:		3-0788-97-			
Application Year:		97			
Issue Date:		7/8/1997			
Approval Type:		Municipal sewage			
Status:		Approved			
Application Type:					
Client Name:					
Client Address:					
Client City:					
Client Postal Code:					
Project Description:					
Contaminants:					
Emission Control:					
52	1 of 7	NW/223.9	72.9 / 0.43	339 Wilbrod Street Ottawa ON K1N 6M4	EHS
Order No:		20070808010		Nearest Intersection:	
Status:		C		Municipality:	
Report Type:		CAN - Custom Report		Client Prov/State:	
Report Date:		8/16/2007		Search Radius (km): 0.25	
Date Received:		8/8/2007		X: -75.679704	
Previous Site Name:				Y: 45.428174	
Lot/Building Size:					
Additional Info Ordered:		Fire Insur. Maps And /or Site Plans			
52	2 of 7	NW/223.9	72.9 / 0.43	Conseil des ecoles publiques de l'est de l'Ontario CEPEO 339 Wilbrod Road Ottawa ON K1N 6M4	GEN
Generator No:		ON9458753		PO Box No:	
Status:		Registered		Country: Canada	
Approval Years:		As of Jul 2020		Choice of Contact:	
Contam. Facility:					
MHSW Facility:					
SIC Code:					
SIC Description:					
Detail(s)					
Waste Class:		243 D			
Waste Class Desc:		PCB			
52	3 of 7	NW/223.9	72.9 / 0.43	Conseil de ecoles publiques de l'Est de l'Ontario Francojeunesse Pavillon, 339, rue Wilbrod Ottawa ON K1N 6M4	GEN
Generator No:		ON7879849		PO Box No:	
Status:		Registered		Country: Canada	
Approval Years:		As of Jul 2020		Choice of Contact:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Contam. Facility: MHSW Facility: SIC Code: SIC Description:				Co Admin: Phone No Admin:	
<u>Detail(s)</u>					
Waste Class:		148 C			
Waste Class Desc:		Misc. wastes and inorganic chemicals			
Waste Class:		263 C			
Waste Class Desc:		Misc. waste organic chemicals			
52	4 of 7	NW/223.9	72.9 / 0.43	Conseil des ecoles publiques de l'Est de l'Ontario 339 rue Wilbrod st Ottawa ON K1N 6M3	GEN
Generator No: ON5510250 Status: Registered Approval Years: As of Jul 2020 Contam. Facility: MHSW Facility: SIC Code: SIC Description:				PO Box No: Country: Canada Choice of Contact: Co Admin: Phone No Admin:	
<u>Detail(s)</u>					
Waste Class:		253 T			
Waste Class Desc:		Emulsified oils			
52	5 of 7	NW/223.9	72.9 / 0.43	Conseil des ecoles publiques de l'Est de l'Ontario Pavillon Francojeunesse, 339, rue Wilbrod Ottawa ON K1N 6M4	GEN
Generator No: ON7879849 Status: Registered Approval Years: As of Apr 2021 Contam. Facility: MHSW Facility: SIC Code: SIC Description:				PO Box No: Country: Canada Choice of Contact: Co Admin: Phone No Admin:	
<u>Detail(s)</u>					
Waste Class:		148 C			
Waste Class Desc:		Misc. wastes and inorganic chemicals			
Waste Class:		263 C			
Waste Class Desc:		Misc. waste organic chemicals			
Waste Class:		263 I			
Waste Class Desc:		Misc. waste organic chemicals			
52	6 of 7	NW/223.9	72.9 / 0.43	Conseil des ecoles publiques de l'Est de l'Ontario 339 rue Wilbrod st Ottawa ON K1N 6M3	GEN
Generator No: ON5510250				PO Box No:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Status: Registered Approval Years: As of Jan 2021 Contam. Facility: MHSW Facility: SIC Code: SIC Description:				Country: Canada Choice of Contact: Co Admin: Phone No Admin:	
<u>Detail(s)</u>					
Waste Class: 253 T Waste Class Desc: Emulsified oils					
52	7 of 7	NW/223.9	72.9 / 0.43	Conseil des ecoles publiques de l'est de l'Ontario CEPEO 339 Wilbrod Road Ottawa ON K1N 6M4	GEN
Generator No: ON9458753 Status: Registered Approval Years: As of Jan 2021 Contam. Facility: MHSW Facility: SIC Code: SIC Description:				PO Box No: Country: Canada Choice of Contact: Co Admin: Phone No Admin:	
<u>Detail(s)</u>					
Waste Class: 243 D Waste Class Desc: PCB					
53	1 of 1	NW/225.3	72.9 / 0.43	319 Wilbrod St Ottawa On Ottawa ON K1N6M4	EHS
Order No: 20150205064 Status: C Report Type: Standard Report Report Date: 11-FEB-15 Date Received: 05-FEB-15 Previous Site Name: Lot/Building Size: 0.15 acres Additional Info Ordered:				Nearest Intersection: Municipality: Ottawa Client Prov/State: ON Search Radius (km): .25 X: -75.680223 Y: 45.427836	
54	1 of 1	W/232.8	72.2 / -0.24	238 Laurier Ave E Ottawa ON K1N6P2	EHS
Order No: 20150105038 Status: C Report Type: Standard Report Report Date: 09-JAN-15 Date Received: 05-JAN-15 Previous Site Name: Lot/Building Size: 3484 ft2 Additional Info Ordered: Topographic Maps; City Directory; Aerial Photos				Nearest Intersection: Municipality: City of Ottawa Client Prov/State: ON Search Radius (km): .25 X: -75.681194 Y: 45.425825	
55	1 of 1	NW/239.3	72.9 / 0.43	325 Wilbrod St Ottawa ON K1N6M4	EHS
Order No: 20170616143 Status: C				Nearest Intersection: Municipality:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Report Type:	Standard Report			Client Prov/State:	ON
Report Date:	23-JUN-17			Search Radius (km):	.25
Date Received:	16-JUN-17			X:	-75.680339
Previous Site Name:				Y:	45.427932
Lot/Building Size:					
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans; City Directory				

56	1 of 1	WNW/239.4	72.9 / 0.46	Albert Falsetto 286 Wilbrod St. Ottawa ON K1N 6M2	GEN
Generator No:	ON7208066			PO Box No:	
Status:				Country:	
Approval Years:	2011			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	531111				
SIC Description:					

57	1 of 1	NW/244.3	72.9 / 0.43	325 FRIEL ST ON	WWIS
Well ID:	7296576			Data Entry Status:	
Construction Date:				Data Src:	
Primary Water Use:	Test Hole			Date Received:	10/5/2017
Sec. Water Use:	Monitoring			Selected Flag:	True
Final Well Status:	Monitoring and Test Hole			Abandonment Rec:	
Water Type:				Contractor:	7241
Casing Material:				Form Version:	7
Audit No:	Z206451			Owner:	
Tag:	A182833			Street Name:	325 FRIEL ST
Construction Method:				County:	OTTAWA
Elevation (m):				Municipality:	OTTAWA CITY
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	
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:					

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/729\7296576.pdf

Additional Detail(s) (Map)

Well Completed Date: 2017/09/07
Year Completed: 2017
Depth (m): 7.62
Latitude: 45.4279304803129
Longitude: -75.6804353725508
Path: 729\7296576.pdf

Bore Hole Information

Bore Hole ID: 1006758613
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:

Elevation: 70.133880
Elevrc:
Zone: 18
East83: 446772.00
North83: 5030715.00
Org CS: UTM83

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Cluster Kind:				UTMRC:	4
Date Completed:	07-Sep-2017 00:00:00			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	wwr
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1006952699			
Layer:		2			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		06			
Mat2 Desc:		SILT			
Mat3:		85			
Mat3 Desc:		SOFT			
Formation Top Depth:		0.3100000023841858			
Formation End Depth:		5.489999771118164			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1006952700			
Layer:		3			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		06			
Mat2 Desc:		SILT			
Mat3:		66			
Mat3 Desc:		DENSE			
Formation Top Depth:		5.489999771118164			
Formation End Depth:		7.619999885559082			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1006952698			
Layer:		1			
Color:		6			
General Color:		BROWN			
Mat1:		02			
Most Common Material:		TOPSOIL			
Mat2:					
Mat2 Desc:					
Mat3:		85			
Mat3 Desc:		SOFT			
Formation Top Depth:		0.0			
Formation End Depth:		0.3100000023841858			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment</u>					

<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>
<u>Sealing Record</u>					
Plug ID:		1006952710			
Layer:		3			
Plug From:		4.26999998092651			
Plug To:		7.61999988555908			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1006952709			
Layer:		2			
Plug From:		0.310000002384186			
Plug To:		4.26999998092651			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1006952708			
Layer:		1			
Plug From:		0			
Plug To:		0.310000002384186			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1006952707			
Method Construction Code:		D			
Method Construction:		Direct Push			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1006952697			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Screen</u>					
Screen ID:		1006952704			
Layer:		1			
Slot:		10			
Screen Top Depth:		4.57000017166138			
Screen End Depth:		7.61999988555908			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		4.82000017166138			
<u>Water Details</u>					
Water ID:		1006952702			
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM:		m			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Hole Diameter</u>					
Hole ID:		1006952701			
Diameter:		8.25			
Depth From:		0.0			
Depth To:		7.619999885559082			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<u>58</u>	1 of 3	SSW/245.6	70.0 / -2.49	393 Nelson Street Ottawa ON K1N 7S6	EHS
Order No:	20311300035			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Standard Select Report			Client Prov/State:	ON
Report Date:	18-NOV-20			Search Radius (km):	.25
Date Received:	13-NOV-20			X:	-75.6791538
Previous Site Name:				Y:	45.4241966
Lot/Building Size:					
Additional Info Ordered:					
<u>58</u>	2 of 3	SSW/245.6	70.0 / -2.49	393 Nelson Street Ottawa ON K1N 7S6	EHS
Order No:	20311300035			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Standard Select Report			Client Prov/State:	ON
Report Date:	18-NOV-20			Search Radius (km):	.25
Date Received:	13-NOV-20			X:	-75.6791538
Previous Site Name:				Y:	45.4241966
Lot/Building Size:					
Additional Info Ordered:					
<u>58</u>	3 of 3	SSW/245.6	70.0 / -2.49	393 Nelson Street Ottawa ON K1N 7S6	EHS
Order No:	20311300035			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Standard Select Report			Client Prov/State:	ON
Report Date:	18-NOV-20			Search Radius (km):	.25
Date Received:	13-NOV-20			X:	-75.6791538
Previous Site Name:				Y:	45.4241966
Lot/Building Size:					
Additional Info Ordered:					
<u>59</u>	1 of 1	E/246.9	62.1 / -10.39	45 Blackburn Ave Ottawa ON K1N8A4	EHS
Order No:	20160816012			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Standard Report			Client Prov/State:	ON
Report Date:	19-AUG-16			Search Radius (km):	.25
Date Received:	16-AUG-16			X:	-75.67522
Previous Site Name:				Y:	45.425852
Lot/Building Size:					
Additional Info Ordered:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>60</u>	1 of 1	NW/248.1	72.9 / 0.43	ON	BORE
Borehole ID:	613542			Inclin FLG:	No
OGF ID:	215514802			SP Status:	Initial Entry
Status:				Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:				Primary Name:	
Completion Date:				Municipality:	
Static Water Level:				Lot:	
Primary Water Use:				Township:	
Sec. Water Use:				Latitude DD:	45.428178
Total Depth m:	-999			Longitude DD:	-75.680072
Depth Ref:	Ground Surface			UTM Zone:	18
Depth Elev:				Easting:	446801
Drill Method:				Northing:	5030742
Orig Ground Elev m:	62.5			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Not Applicable
DEM Ground Elev m:	70.6				
Concession:					
Location D:					
Survey D:					
Comments:					

Borehole Geology Stratum

Geology Stratum ID:	218395548			Mat Consistency:	
Top Depth:	0			Material Moisture:	
Bottom Depth:	1.5			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Sand			Geologic Formation:	
Material 2:				Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	SAND.				
Geology Stratum ID:	218395549			Mat Consistency:	Compact
Top Depth:	1.5			Material Moisture:	
Bottom Depth:				Material Texture:	
Material Color:	Grey			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. 00060AY. GREY,STIFF,SENSITIVE. SILT. LOOSE TO COMPACT. 0002600200140005 00050 **Note: Many records provided by the department have a truncated [Stratum Description] field.				

Source

Source Type:	Data Survey	Source Appl:	Spatial/Tabular
Source Orig:	Geological Survey of Canada	Source Ident:	1
Source Date:	1956-1972	Scale or Res:	Varies
Confidence:	H	Horizontal:	NAD27
Observatio:		Verticalda:	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA2.txt RecordID: 060500 NTS_Sheet: 31G05G		
Confiden 1:	Logged by professional. Exact and complete description of material and properties.		

Source List

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

Unplottable Summary

Total: 20 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	OTTAWA CITY	NELSON STREET	OTTAWA CITY ON	
CA	OTTAWA CITY	CHAPEL STREET	OTTAWA CITY ON	
CA	OTTAWA CITY NELSON AND WILBROD ST.	NELSON ST.	OTTAWA CITY ON	
CA	OTTAWA CITY (I. BHATIA)	RUSSELL AVE.	OTTAWA CITY ON	
CA	OTTAWA CITY	BLACKBURN AVE.	OTTAWA CITY ON	
CA	CITY	SWEETLAND AVE.	OTTAWA ON	
CA	CITY	GOULBURN AVE.	OTTAWA ON	
CA	CITY OF OTTAWA NON-PROFIT HSG. CORP.	CHAPEL ST./STM-WATER MGT.	OTTAWA CITY ON	
CA	R.M. OF OTTAWA-CARLETON NELSON ST.	NELSON ST.	OTTAWA CITY ON	
CA		Laurier Avenue E. Waller Street to Nelson Street	City of Ottawa ON	
CA		Laurier Avenue E. Waller Street to Nelson Street	City of Ottawa ON	
CA	Chapel / Blackburn	Blackburn Avenue - Chapel Street	Ottawa ON	
CA	Chapel / Blackburn	Blackburn Avenue - Chapel Street	Ottawa ON	
CA	Chapel / Blackburn	Blackburn Avenue - Chapel Street	Ottawa ON	
CA		Laurier Avenue E. Waller Street to Nelson Street	City of Ottawa ON	
CA	REG.MUN.OF OTTAWA-CARLETON	SWEETLAND AVE.	OTTAWA ON	
CA	CITY	FRIEL ST.	OTTAWA ON	
GEN	O.D.S MARINE	LAURIER AVE AND RIDEAU CANAL	OTTAWA ON	K4P 1A2

GEN	CONSEIL DES ECOLES PUBLIQUES DE L'EST DE L'ONTARIO	OTTAWA	OTTAWA ON	K1K 1L8
SPL		Blackburn	Ottawa ON	

Unplottable Report

Site: OTTAWA CITY
NELSON STREET OTTAWA CITY ON

Database:
CA

Certificate #: 3-1856-89-
Application Year: 89
Issue Date: 9/15/1989
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
CHAPEL STREET OTTAWA CITY ON

Database:
CA

Certificate #: 3-0875-89-
Application Year: 89
Issue Date: 5/26/1989
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 NELSON AND WILBROD ST.
NELSON ST. OTTAWA CITY ON

Database:
CA

Certificate #: 3-0886-88-
Application Year: 88
Issue Date: 6/17/1988
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 (I. BHATIA)
RUSSELL AVE. OTTAWA CITY ON

Database:
CA

Certificate #: 3-1218-86-
Application Year: 86

Issue Date: 8/22/1986
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
BLACKBURN AVE. OTTAWA CITY ON

Database:
CA

Certificate #: 3-0787-87-
Application Year: 87
Issue Date: 5/28/1987
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: CITY
SWEETLAND AVE. OTTAWA ON

Database:
CA

Certificate #: 3-0390-85-006
Application Year: 85
Issue Date: 5/15/85
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: CITY
GOULBURN AVE. OTTAWA ON

Database:
CA

Certificate #: 3-0164-85-006
Application Year: 85
Issue Date: 3/13/85
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 NON-PROFIT HSG. CORP.
CHAPEL ST./STM-WATER MGT. OTTAWA CITY ON

Database:
CA

Certificate #: 3-1738-91-
Application Year: 91
Issue Date: 11/18/1991
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: R.M. OF OTTAWA-CARLETON NELSON ST.
NELSON ST. OTTAWA CITY ON

Database:
CA

Certificate #: 7-0764-88-
Application Year: 88
Issue Date: 6/14/1988
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: Laurier Avenue E. Waller Street to Nelson Street City of Ottawa ON

Database:
CA

Certificate #: 7015-4Y6PUV
Application Year: 01
Issue Date: 7/6/01
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: City of Ottawa
Client Postal Code: K1P 1J1
Project Description: Rehabilitation of Storm and Sanitary sewers and sewer service connections on Laurier Avenue East from Waller Street to Nelson Street
Contaminants:
Emission Control:

Site: Laurier Avenue E. Waller Street to Nelson Street City of Ottawa ON

Database:
CA

Certificate #: 1157-4Z5RNN
Application Year: 01
Issue Date: 7/31/01
Approval Type: Municipal & Private water
Status: Approved
Application Type: Amended CofA
Client Name: Corporation of the City of Ottawa
Client Address: 110 Laurier Avenue West, Fourth Floor
Client City: Ottawa
Client Postal Code: K2P 2L7

Project Description: Notice of changes to existing Certificate of Approval # 6268-4Y6L9N
Contaminants:
Emission Control:

Site: *Chapel / Blackburn
Blackburn Avenue - Chapel Street Ottawa ON*

Database:
CA

Certificate #: 2328-5B9JEF
Application Year: 02
Issue Date: 6/19/02
Approval Type: Municipal & Private water
Status: Approved
Application Type: New Certificate of Approval
Client Name: City of Ottawa
Client Address: 1495 Heron Road
Client City: Ottawa
Client Postal Code: K1V 6A6
Project Description: Approval is sought for the construction of watermains on Chapel Street and Blackburn Avenue.
Contaminants:
Emission Control:

Site: *Chapel / Blackburn
Blackburn Avenue - Chapel Street Ottawa ON*

Database:
CA

Certificate #:
Application Year: 02
Issue Date: 6/19/02
Approval Type: Municipal & Private water
Status: Cancelled
Application Type: New Certificate of Approval
Client Name: City of Ottawa
Client Address: 1495 Heron Road
Client City: Ottawa
Client Postal Code: K1V 6A6
Project Description: Approval is sought for the construction of watermains on Chapel Street and Blackburn Avenue.
Contaminants:
Emission Control:

Site: *Chapel / Blackburn
Blackburn Avenue - Chapel Street Ottawa ON*

Database:
CA

Certificate #: 0963-5B9HS6
Application Year: 02
Issue Date: 6/19/02
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name: City of Ottawa
Client Address: 1495 Heron Road
Client City: Ottawa
Client Postal Code: K1V 6A6
Project Description: Approval is sought for the construction of storm and sanitary sewers on Chapel Street and Blackburn Avenue.
Contaminants:
Emission Control:

Site: *Laurier Avenue E. Waller Street to Nelson Street City of Ottawa ON*

Database:
CA

Certificate #: 7147-4Y6Q6B
Application Year: 01
Issue Date: 7/31/01
Approval Type: Municipal & Private water
Status: Revoked and/or Replaced

Application Type: New Certificate of Approval
Client Name: City of Ottawa
Client Address: 110 Laurier Avenue West
Client City: City of Ottawa
Client Postal Code: K1P 1J1
Project Description: watermains and appurtenances on Laurier Avenue from Waller Street to Nelson Street
Contaminants:
Emission Control:

Site: REG.MUN.OF OTTAWA-CARLETON
SWEETLAND AVE. OTTAWA ON

Database:
CA

Certificate #: 7-0138-85-006
Application Year: 85
Issue Date: 3/15/85
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: CITY
FRIEL ST. OTTAWA ON

Database:
CA

Certificate #: 3-0497-85-006
Application Year: 85
Issue Date: 5/27/85
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: O.D.S MARINE
LAURIER AVE AND RIDEAU CANAL OTTAWA ON K4P 1A2

Database:
GEN

Generator No: ON7795671
Status:
Approval Years: 02,03,04
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:
PO Box No:
Country:
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 222
Waste Class Desc: HEAVY FUELS

Site: CONSEIL DES ECOLES PUBLIQUES DE L'EST DE L'ONTARIO
OTTAWA OTTAWA ON K1K 1L8

Database:
GEN

Generator No: ON1477723
Status:
PO Box No:
Country:

Approval Years: 04
Contam. Facility:
MHSW Facility:
SIC Code: 611110
SIC Description: Elementary and Secondary Schools

Choice of Contact:
Co Admin:
Phone No Admin:

Site: Blackburn Ottawa ON

Database:
[SPL](#)

Ref No: 3683-BCDTQ4
Site No: NA
Incident Dt: 5/20/2019
Year:
Incident Cause:
Incident Event:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact:
Nature of Impact:
Receiving Medium:
Receiving Env:
MOE Response: No
Dt MOE Arvl on Scn:
MOE Reported Dt: 5/21/2019
Dt Document Closed:

Discharger Report:
Material Group:
Health/Env Conseq: 2 - Minor Environment
Client Type:
Sector Type:
Agency Involved:
Nearest Watercourse:
Site Address: Blackburn
Site District Office: Ottawa
Site Postal Code:
Site Region: Eastern
Site Municipality: Ottawa
Site Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class: Pollution Incident Reports (PIRs) and "Other" calls

Incident Reason:
Site Name: 42 Oakhurst Cres<UNOFFICIAL>
Site County/District:
Site Geo Ref Meth:
Incident Summary: TIPS autobody shop storing oil improperly in residential neighbourhood
Contaminant Qty:

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 2020

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-Dec 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 2018

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: May 31, 2021

Chemical Manufacturers and Distributors:

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

Chemical Register:

Private CHM

This database includes a listing of locations of facilities within the Province or Territory that either manufacture and/or distributes chemicals.

Government Publication Date: 1999-Dec 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 -Apr 2021

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 2020

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- Jun 30, 2021

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 2020

Delisted Fuel Tanks:

Provincial [DTNK](#)

List of fuel storage tank sites that were once found in - and have since been removed from - the list of fuel storage tanks made available by the regulatory agency under Access to Public Information.

Government Publication Date: May 31, 2021

Environmental Activity and Sector Registry:

Provincial [EASR](#)

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

Government Publication Date: Oct 2011- Jun 30, 2021

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- Jun 30, 2021

Environmental Compliance Approval:

Provincial [ECA](#)

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

Government Publication Date: Oct 2011- Jun 30, 2021

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-Jun 30, 2021

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 / 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, 2020

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: Jul 31, 2020

Federal Convictions:

Federal **FCON**

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

Government Publication Date: 1988-Jun 2007*

Contaminated Sites on Federal Land:

Federal **FCS**

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

Government Publication Date: Jun 2000-Apr 2021

Fisheries & Oceans Fuel Tanks:

Federal **FOFT**

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

Government Publication Date: 1964-Sep 2019

Federal Identification Registry for Storage Tank Systems (FIRSTS):

Federal **FRST**

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

Government Publication Date: May 31, 2018

Fuel Storage Tank:

Provincial **FST**

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

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

Government Publication Date: Jul 31, 2020

Fuel Storage Tank - Historic:

Provincial

[FSTH](#)

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

Government Publication Date: Pre-Jan 2010*

Ontario Regulation 347 Waste Generators Summary:

Provincial

[GEN](#)

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

Government Publication Date: 1986-Apr 30, 2021

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 2019

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: May 31, 2021

Landfill Inventory Management Ontario:

Provincial

[LIMO](#)

The Landfill Inventory Management Ontario (LIMO) database is updated every year, as the Ministry of the Environment, Conservation and Parks compiles new and updated information. Includes small and large landfills currently operating as well as those which are closed and historic. Operators of larger landfills provide landfill information for the previous operating year to the ministry for LIMO including: 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 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-Dec 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, 2019

National Defense & Canadian Forces Fuel Tanks:

Federal [NDFT](#)

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

Government Publication Date: Up to May 2001*

National Defense & Canadian Forces Spills:

Federal [NDSP](#)

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

Government Publication Date: Mar 1999-Apr 2018

National Defence & Canadian Forces Waste Disposal Sites:

Federal [NDWD](#)

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

Government Publication Date: 2001-Apr 2007*

National Energy Board Pipeline Incidents:

Federal [NEBI](#)

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

Government Publication Date: 2008-Mar 31, 2021

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 28, 2021

Ontario Oil and Gas Wells:

Provincial

OOGW

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

Government Publication Date: 1800-Jun 2020

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-Apr 30, 2021

Canadian Pulp and Paper:

Private

PAP

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

Government Publication Date: 1999, 2002, 2004, 2005, 2009-2014

Parks Canada Fuel Storage Tanks:

Federal

PCFT

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

Government Publication Date: 1920-Jan 2005*

Pesticide Register:

Provincial PES

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

Government Publication Date: Oct 2011- Jun 30, 2021

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 in an historical copy of records previously obtained under Access to Public Information. Records are not verified for accuracy or completeness.

Government Publication Date: May 31, 2021

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- Jun 30, 2021

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: 1986-1990, 1992-2018

Record of Site Condition:

Provincial RSC

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

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

Government Publication Date: 1997-Sept 2001, Oct 2004-Jun 2021

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-Dec 31, 2020

Scott's Manufacturing Directory:

Private SCT

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

Government Publication Date: 1992-Mar 2011*

Ontario Spills:

Provincial SPL

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

Government Publication Date: 1988-Aug 2020

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, 2018

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 - Dec 2020

Variations for Abandonment of Underground Storage Tanks:

Provincial [VAR](#)

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

Records are not verified for accuracy or completeness.

Government Publication Date: May 31, 2021

Waste Disposal Sites - MOE CA Inventory:

Provincial [WDS](#)

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

Government Publication Date: Oct 2011- Jun 30, 2021

Waste Disposal Sites - MOE 1991 Historical Approval Inventory:

Provincial [WDSH](#)

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

Government Publication Date: Up to Oct 1990*

Water Well Information System:

Provincial [WWIS](#)

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

Government Publication Date: Apr 30, 2021

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.



Property Information

Order Number:	21081700047p
Date Completed:	August 20, 2021
Project Number:	297563
Project Property:	29 Russell Ave Ottawa Ontario 29 Russell Ave Ottawa Ontario Ottawa ON K1N 7W9
Coordinates:	
Latitude:	45.4263242
Longitude:	-75.6783036
UTM Northing:	5030535.14062 Metres
UTM Easting:	446937.255751 Metres
UTM Zone:	UTM Zone 18T
Elevation:	72.45 m
Slope Direction:	ESE

Property Information.....	1
Topographic Information.....	2
Hydrologic Information.....	4
Geologic Information.....	5
Soil Information.....	9
Wells and Additional Sources.....	12
Report Summary.....	13
Detail Report.....	14
Radon Information.....	25
Area of Natural and Scientific Interest.....	26
Appendix.....	28
Liability Notice.....	30

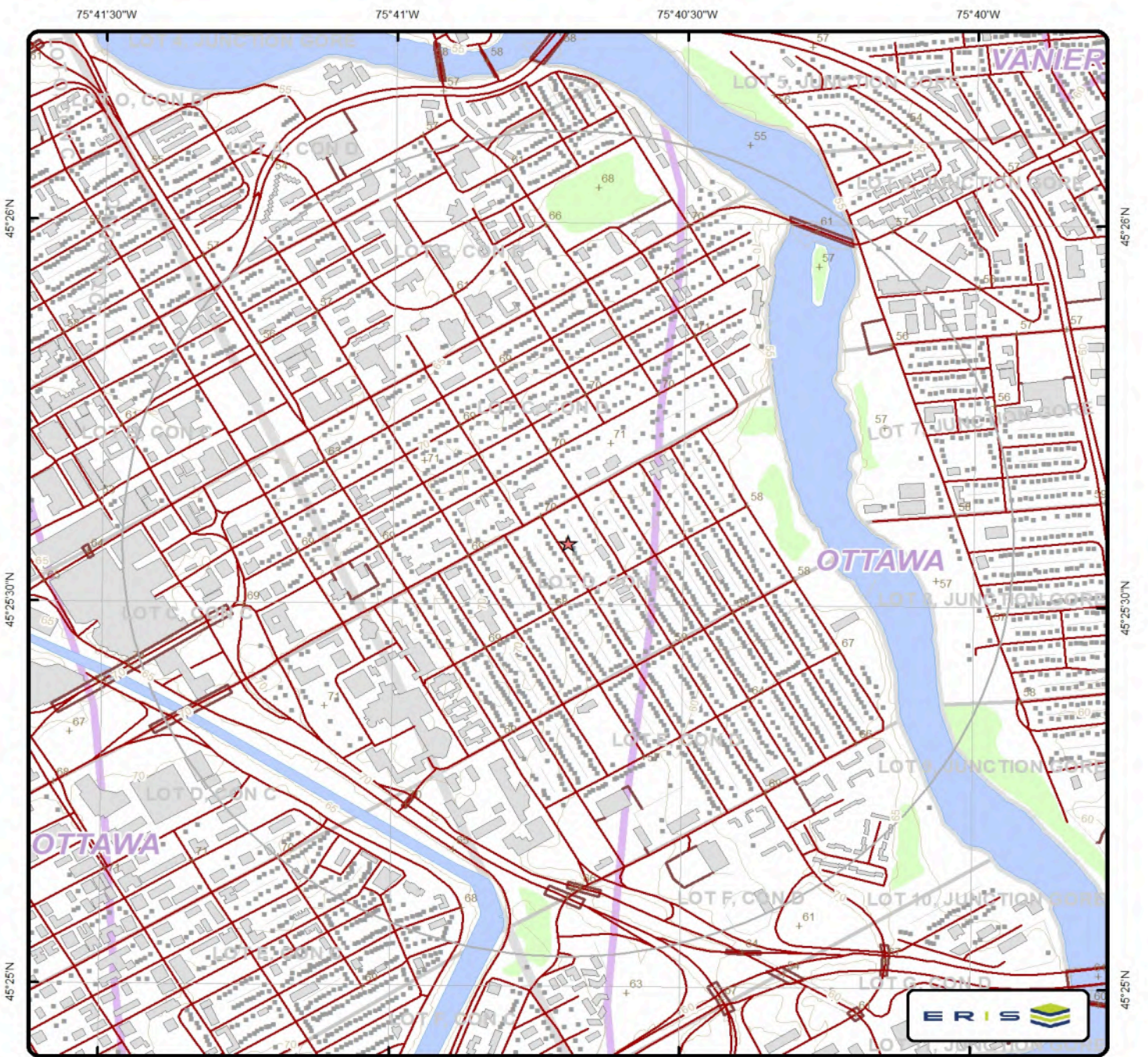
The ERIS **Physical Setting Report - PSR** provides comprehensive information about the physical setting around a site and includes a complete overview of topography as well as hydrologic, geologic and soil characteristics. The location and detailed attributes of oil and gas wells, water wells, and radon are also included for review.

The compilation of both physical characteristics of a site and additional attribute data is useful in assessing the impact of migration of contaminants and subsequent impact on soils and groundwater.

Disclaimer

This Report does not provide a full environmental evaluation for the site or adjacent properties. Please see the terms and disclaimer at the end of the Report for greater detail.

Topographic Information



Topographic Map

Address: 29 Russell Ave Ottawa Ontario, Ottawa, ON



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

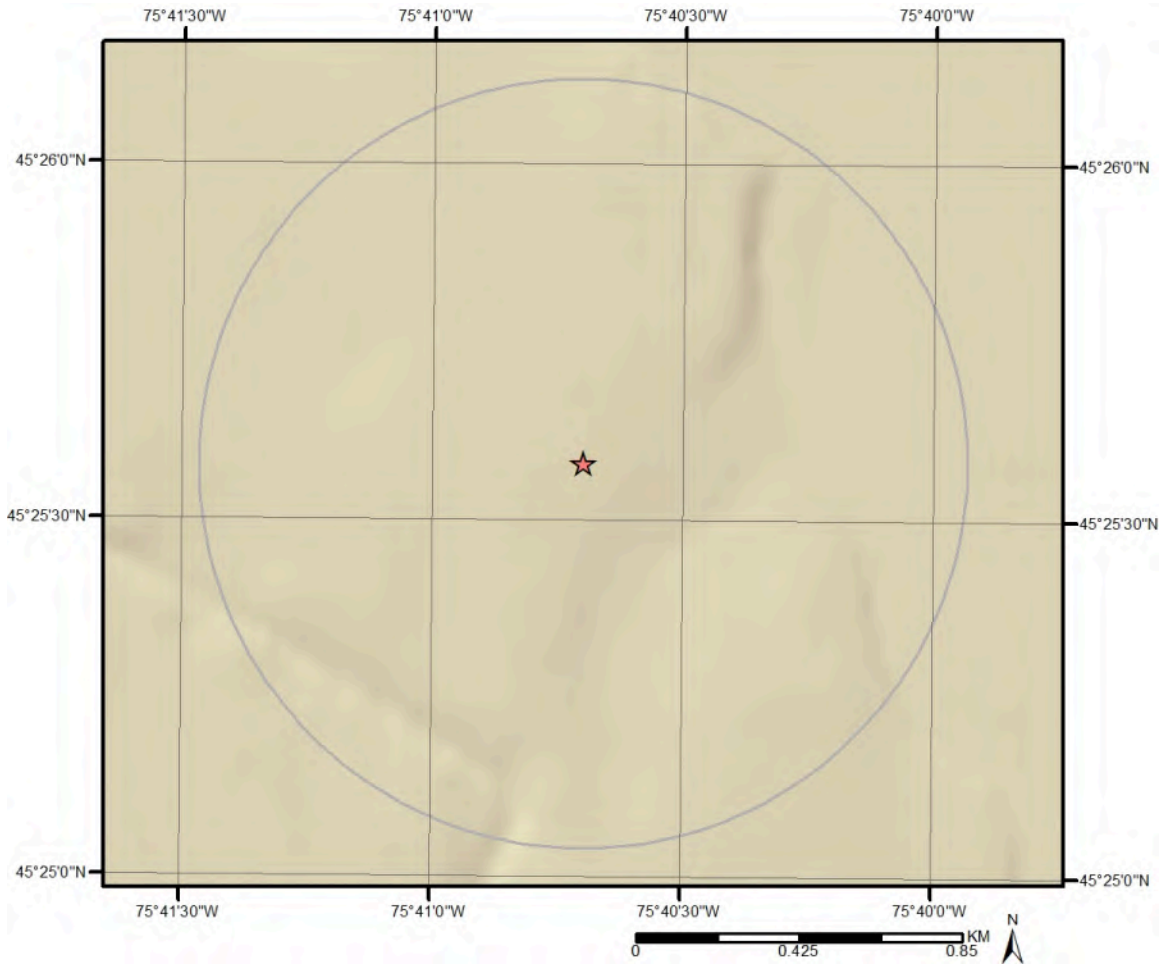
Data source: Ontario Base Mapping (OBM) by Ontario Ministry of Natural Resources.

Topographic Information

The previous topographic map(s) show general topographic information in the surrounding area of the project property, using Toporama data or a provincial source when available. Below are shaded relief map(s), derived from Digital Elevation data to depict terrain in further detail.

Topographic information at project property:

Elevation: 72.45 m
Slope Direction: ESE






Hydrologic Information



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

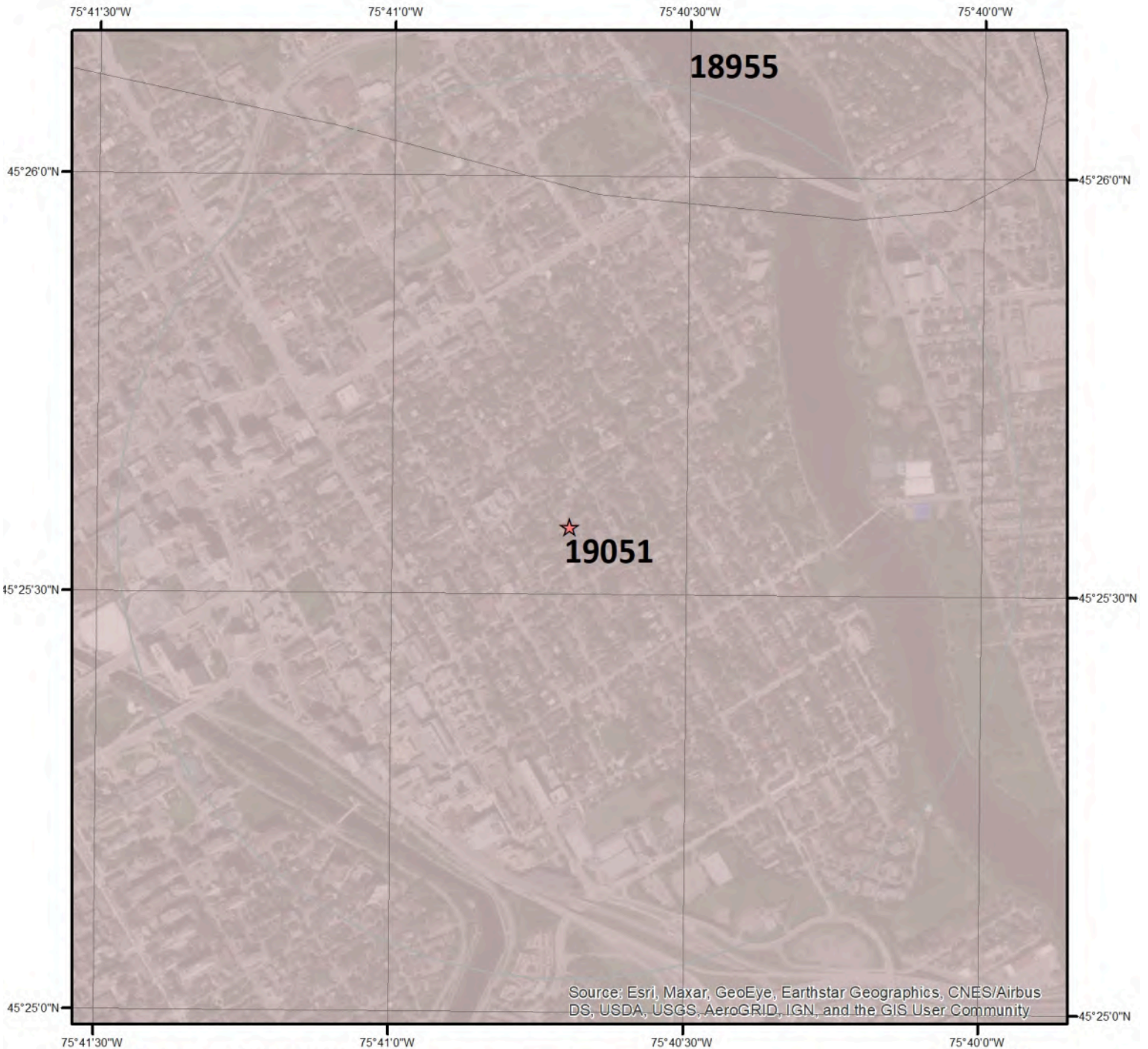
Wetland

This map shows wetland existence. Data coverage is shown to the right. Gray indicates no data available in the area.

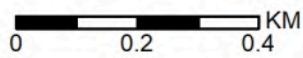
-  Marsh
-  Swamp
-  Unknown



Geologic Information



Bedrock Geology



This map shows bedrock geologic units in the area. Please refer to the report for detailed descriptions. Data coverage is shown to the right. Gray indicates no data available in the area.



Geologic Information

Detailed bedrock geology information about each unit within the search radius is provided below.

Unit ID 18955

Unit Name:
Rock Type: Limestone, dolostone, shale, arkose, sandstone
Strata: Ottawa Group; Simcoe Group; Shadow Lake Formation
Super Eon:
Eon: PHANEROZOIC (Present to 542.0 Ma)
Era: PALEOZOIC (251.0 Ma to 542.0 Ma)
Period: ORDOVICIAN (443.7 Ma to 488.3 Ma)
Epoch: MIDDLE ORDOVICIAN (now considered UPPER DEVONIAN)
Province:
Tectonic Zone:

Unit ID 19051

Unit Name:
Rock Type: Shale, limestone, dolostone, siltstone
Strata: Georgian Bay Formation; Blue Mountain Formation; Billings Formation; Collingwood Member; Eastview Member
Super Eon:
Eon: PHANEROZOIC (Present to 542.0 Ma)
Era: PALEOZOIC (251.0 Ma to 542.0 Ma)
Period: ORDOVICIAN (443.7 Ma to 488.3 Ma)
Epoch: UPPER ORDOVICIAN
Province:
Tectonic Zone:

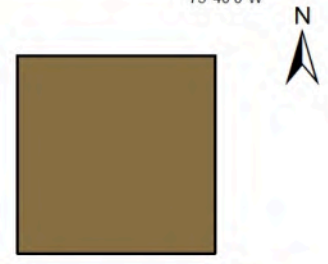
Geologic Information



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

Surficial Geology

This map shows surficial geologic labels in the area. Please refer to the report for detailed descriptions. Data coverage is shown to the right. Gray indicates no data available in the area.



Geologic Information

Detailed surficial geology information about each unit within the search radius is provided below.

Unit ID 3a

Geological Deposit:	Offshore marine deposits
Deposit Age:	Quaternary (Champlain Sea)
Primary Material:	clay, silt
Secondary Material:	
Primary General:	glaciomarine
Primary General Modifier:	foreshore/basinal
Veneer:	silt, sand
Episode:	Wisconsin
Sub Episode:	Michigan
Strata Modifier:	Surface
Provenance:	
Carbon Content:	
Formation:	
Permeability:	Low
Material Description:	Clay and silt underlying erosional terraces; upper part of marine deposits removed to variable depths by fluvial erosion so in places clay is uniform blue-grey; unit includes lenses, bars and channel fills to sand and pockets of nonmarine silt that were formed during terrace (or channel) cutting.

Unit ID 6b

Geological Deposit:	Alluvial deposits
Deposit Age:	Recent
Primary Material:	sand
Secondary Material:	silt
Primary General:	fluvial
Primary General Modifier:	abandoned floodplain
Veneer:	
Episode:	Hudson
Sub Episode:	
Strata Modifier:	Surface
Provenance:	
Carbon Content:	
Formation:	
Permeability:	Variable
Material Description:	Medium grained stratified sand with some silt; in the form of fluvial terraces and channels cut in marine clay, and bars and spits within abandoned channels.

Soil Information



Soil Map

This map shows soil units around the target property. Please refer to the report for detailed soil descriptions.



Soil Information

Detailed soil information about each unit within the search radius is provided below.

Ontario Detailed Soil Survey (DSS3)

Polygon ID: OND401072784

Component

Component ID:	OND40107278401	Components(%):	100
Soil Name ID:	ONZZZ~~~~~N	Slope Steepness(%):	Unknown or Not applicable
Component No:	1	Slope Length(m):	-9
Surface Stoniness Class:	Not Applicable		

Component Rating

Field Crops Capability:
First CLI Limitation Subclass:
Second CLI Limitation Subclass:
Drainage: Not Applicable
Soil Texture of A Horizon:
Hydrological Soil Groups:

Soil Name

Soil Name: WATER
Kind of Surface Material: True Non-soil
Soil Drainage Class: Not applicable
Water Table Characteristics: Not applicable
Layer that Restricts Root Growth: Not applicable
Type of Root Restricting Layer: n/a
Parent Material 1, 2, 3: Not Applicable; Not Applicable; Not Applicable
Mode of Deposition 1,2,3: Not Applicable; Not Applicable; Not Applicable
Parent Material Chemical Property 1,2,3: Not Applicable; Not Applicable; Not Applicable

Soil Layer

Layer No:	1	Very Fine Sand(%):	-9
Horizon:	--	Total Sand(%):	-9

Soil Information

Depth(cm):	0-100	Total Silt(%):	-9
pH in Calc Chloride:	Not applicable	Total Clay(%):	-9
Saturated Hydraulic Conductivity(cm/h):	Not applicable	Organic Carbon(%):	Not applicable
Electrical Conductivity (dS/m):	Not applicable		

Polygon ID: OND401072947

Component

Component ID:	OND40107294701	Components(%):	100
Soil Name ID:	ONZUN~~~~~N	Slope Steepness(%):	Unknown or Not applicable
Component No:	1	Slope Length(m):	-9
Surface Stoniness Class:	Not Applicable		

Component Rating

Field Crops Capability:

First CLI Limitation

Subclass:

Second CLI Limitation

Subclass:

Drainage: Not Applicable

Soil Texture of A

Horizon:

Hydrological Soil

Groups:

Soil Name

Soil Name:	UNCLASSIFIED
Kind of Surface Material:	Unclassified
Soil Drainage Class:	Not applicable
Water Table	Unspecified period
Charateristics:	
Layer that Restricts Root Growth:	No root restricting layer
Type of Root Restricting Layer:	n/a
Parent Material 1, 2, 3:	Not Applicable; Not Applicable; Not Applicable
Mode of Deposition 1,2,3:	Not Applicable; Not Applicable; Not Applicable
Parent Material Chemical Property 1,2,3:	Not Applicable; Not Applicable; Not Applicable

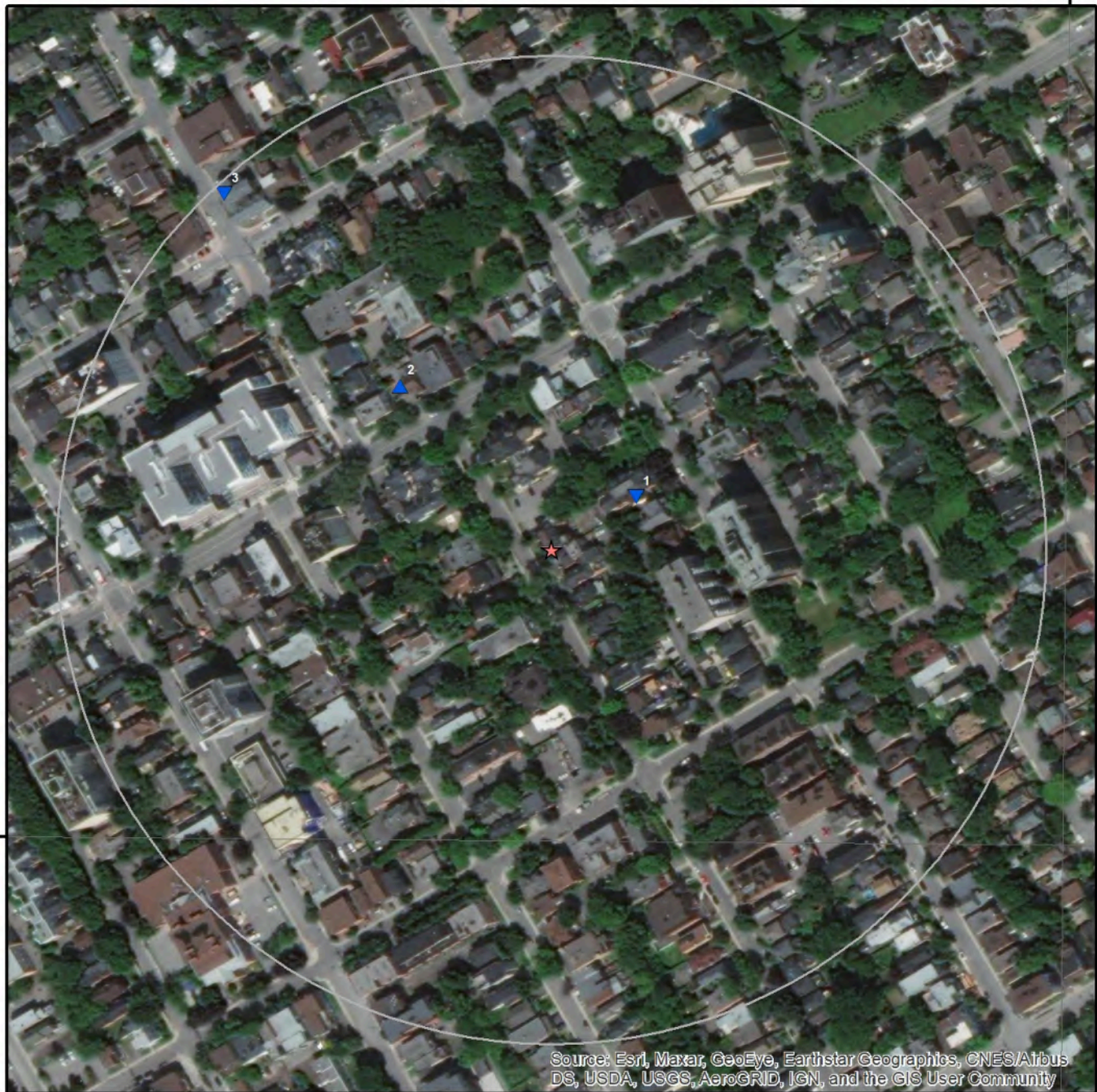
Wells and Additional Sources

75°40'30"W

45°25'30"N

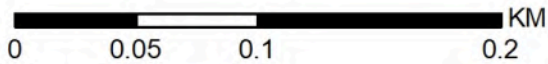
45°25'30"N

75°40'30"W



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

Wells & Additional Sources



- ★ Project Property
- Buffer
- Buffer
- Buffer
- Buffer
- ▲ Sites with Higher Elevation
- Sites with Same Elevation
- ▼ Sites with Lower Elevation
- Sites with Unknown Elevation



Wells and Additional Sources Summary

Federal Sources

National Energy Board Wells

Map Key	ID	Distance (m)	Direction
No records found			

Provincial Sources

Ontario Oil and Gas Wells

Map Key	ID	Distance (m)	Direction
No records found			

Provincial Groundwater Monitoring Network

Map Key	ID	Distance (m)	Direction
No records found			

Water Well Information System

Map Key	Well ID	Distance (m)	Direction
1	7044389	50.48	ENE
2	7196193	112.61	NW
3	7296576	244.25	NW

Private Sources

Oil and Gas Wells

Map Key	ID	Distance (m)	Direction
No records found			

Wells and Additional Sources Detail Report

Water Well Information System

Map Key	Direction	Distance (km)	Distance (m)	Elevation (m)	DB
1	ENE	0.05	50.48	71.84	WWIS

Well ID:	7044389	Data Entry Status:	
Construction Date:		Data Src:	
Primary Water Use:		Date Received:	6/4/2007
Sec. Water Use:		Selected Flag:	True
Final Well Status:	Observation Wells	Abandonment Rec:	
Water Type:		Contractor:	1844
Casing Material:		Form Version:	3
Audit No:	Z58316	Owner:	
Tag:	A051274	Street Name:	324 CHAPEL ST
Construction Method:		County:	OTTAWA
Elevation (m):		Municipality:	OTTAWA CITY
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	
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:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/704\7044389.pdf

Well Completed Date: 2006/12/18
 Year Completed: 2006
 Depth (m): 4.88
 Latitude: 45.4265691934022
 Longitude: -75.6777601298065
 Path: 704\7044389.pdf

Bore Hole ID:	11766806	Elevation:	70.327415
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:	o	East83:	446980.00
Code OB Desc:	Overburden	North83:	5030562.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	3
Date Completed:	18-Dec-2006 00:00:00	UTMRC Desc:	margin of error : 10 - 30 m
Remarks:		Location Method:	wwr

Wells and Additional Sources Detail Report

Elevrc Desc:
Location Source Date:
Improvement Location
Source:
Improvement Location
Method:
Source Revision
Comment:
Supplier Comment:

Formation ID: 933102766
Layer: 3
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 84
Mat2 Desc: SILTY
Mat3: 91
Mat3 Desc: WATER-BEARING
Formation Top Depth: 1.7000000476837158
Formation End Depth: 4.880000114440918
Formation End Depth
UOM: m

Formation ID: 933102765
Layer: 2
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2: 11
Mat2 Desc: GRAVEL
Mat3:
Mat3 Desc:
Formation Top Depth:
Formation End Depth: 1.7000000476837158
Formation End Depth
UOM: m

Plug ID: 933320108
Layer: 1
Plug From: 0.300000011920929
Plug To: 1
Plug Depth UOM: m

Wells and Additional Sources Detail Report

Method Construction ID: 967044389
 Method Construction Code: B
 Method Construction: Other Method
 Other Method Construction:

Pipe ID: 11774496
 Casing No: 1
 Comment:
 Alt Name:

Casing ID: 930900166
 Layer: 1
 Material: 5
 Open Hole or Material: PLASTIC
 Depth From: 0
 Depth To: 1.29999995231628
 Casing Diameter: 51
 Casing Diameter UOM: cm
 Casing Depth UOM: m

Screen ID: 933424714
 Layer: 1
 Slot: 10
 Screen Top Depth: 1.5
 Screen End Depth: 4.88000011444092
 Screen Material: 5
 Screen Depth UOM: m
 Screen Diameter UOM: cm
 Screen Diameter: 58

Hole ID: 11853422
 Diameter: 10.0
 Depth From: 0.0
 Depth To: 4.880000114440918
 Hole Depth UOM: m
 Hole Diameter UOM: cm

Map Key	Direction	Distance (km)	Distance (m)	Elevation (m)	DB
2	NW	0.11	112.61	72.88	WWIS

Well ID: 7196193 Data Entry Status:
 Construction Date: Data Src:

Wells and Additional Sources Detail Report

Primary Water Use:	Monitoring and Test Hole	Date Received:	1/28/2013
Sec. Water Use:		Selected Flag:	True
Final Well Status:	Test Hole	Abandonment Rec:	
Water Type:		Contractor:	7241
Casing Material:		Form Version:	7
Audit No:	Z153020	Owner:	
Tag:	A141839	Street Name:	301 LAURIER AVE E
Construction Method:		County:	OTTAWA
Elevation (m):		Municipality:	OTTAWA CITY
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	
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:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/719\7196193.pdf

Well Completed Date: 2013/01/03
Year Completed: 2013
Depth (m): 3.35
Latitude: 45.4270641920381
Longitude: -75.6792872572722
Path: 719\7196193.pdf

Bore Hole ID:	1004245047	Elevation:	70.359886
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	446861.00
Code OB Desc:		North83:	5030618.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	03-Jan-2013 00:00:00	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Wells and Additional Sources Detail Report

Formation ID: 1004781234
Layer: 2
Color: 6
General Color: BROWN
Mat1: 06
Most Common Material: SILT
Mat2: 05
Mat2 Desc: CLAY
Mat3:
Mat3 Desc:
Formation Top Depth: 0.3100000023841858
Formation End Depth: 0.6100000143051147
Formation End Depth UOM: m

Formation ID: 1004781236
Layer: 4
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 1.8300000429153442
Formation End Depth: 3.3499999046325684
Formation End Depth UOM: m

Formation ID: 1004781233
Layer: 1
Color: 6
General Color: BROWN
Mat1: 01
Most Common Material: FILL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 0.3100000023841858
Formation End Depth UOM: m

Wells and Additional Sources Detail Report

Formation ID: 1004781235
Layer: 3
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.6100000143051147
Formation End Depth: 1.8300000429153442
Formation End Depth UOM: m

Plug ID: 1004781245
Layer: 2
Plug From: 0.310000002384186
Plug To: 0.910000026226044
Plug Depth UOM: m

Plug ID: 1004781244
Layer: 1
Plug From: 0
Plug To: 0.310000002384186
Plug Depth UOM: m

Plug ID: 1004781246
Layer: 3
Plug From: 0.910000026226044
Plug To: 3.34999990463257
Plug Depth UOM: m

Method Construction ID: 1004781243
Method Construction Code: D
Method Construction: Direct Push
Other Method Construction:

Pipe ID: 1004781232
Casing No: 0
Comment:
Alt Name:

Wells and Additional Sources Detail Report

Casing ID: 1004781239
 Layer: 1
 Material: 5
 Open Hole or Material: PLASTIC
 Depth From: 0
 Depth To: 0.910000026226044
 Casing Diameter: 3.45000004768372
 Casing Diameter UOM: cm
 Casing Depth UOM: m

Screen ID: 1004781240
 Layer: 1
 Slot: 10
 Screen Top Depth: 0.910000026226044
 Screen End Depth: 3.34999990463257
 Screen Material: 5
 Screen Depth UOM: m
 Screen Diameter UOM: cm
 Screen Diameter: 4.21000003814697

Water ID: 1004781238
 Layer:
 Kind Code:
 Kind:
 Water Found Depth:
 Water Found Depth UOM: m

Hole ID: 1004781237
 Diameter: 5.710000038146973
 Depth From: 0.0
 Depth To: 3.3499999046325684
 Hole Depth UOM: m
 Hole Diameter UOM: cm

Map Key	Direction	Distance (km)	Distance (m)	Elevation (m)	DB
3	NW	0.24	244.25	71.79	WWIS

Well ID: 7296576
 Construction Date:
 Primary Water Use: Test Hole
 Sec. Water Use: Monitoring

Data Entry Status:
 Data Src:
 Date Received: 10/5/2017
 Selected Flag: True

Wells and Additional Sources Detail Report

Final Well Status:	Monitoring and Test Hole	Abandonment Rec:	
Water Type:		Contractor:	7241
Casing Material:		Form Version:	7
Audit No:	Z206451	Owner:	
Tag:	A182833	Street Name:	325 FRIEL ST
Construction Method:		County:	OTTAWA
Elevation (m):		Municipality:	OTTAWA CITY
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	
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:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/729\7296576.pdf

Well Completed Date: 2017/09/07
 Year Completed: 2017
 Depth (m): 7.62
 Latitude: 45.4279304803129
 Longitude: -75.6804353725508
 Path: 729\7296576.pdf

Bore Hole ID:	1006758613	Elevation:	70.133880
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	446772.00
Code OB Desc:		North83:	5030715.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	07-Sep-2017 00:00:00	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision			
Comment:			
Supplier Comment:			

Formation ID: 1006952699

Wells and Additional Sources Detail Report

Layer: 2
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 06
Mat2 Desc: SILT
Mat3: 85
Mat3 Desc: SOFT
Formation Top Depth: 0.3100000023841858
Formation End Depth: 5.489999771118164
Formation End Depth UOM: m

Formation ID: 1006952700
Layer: 3
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 06
Mat2 Desc: SILT
Mat3: 66
Mat3 Desc: DENSE
Formation Top Depth: 5.489999771118164
Formation End Depth: 7.619999885559082
Formation End Depth UOM: m

Formation ID: 1006952698
Layer: 1
Color: 6
General Color: BROWN
Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Mat2 Desc:
Mat3: 85
Mat3 Desc: SOFT
Formation Top Depth: 0.0
Formation End Depth: 0.3100000023841858
Formation End Depth UOM: m

Plug ID: 1006952710
Layer: 3

Wells and Additional Sources Detail Report

Plug From: 4.26999998092651
Plug To: 7.61999988555908
Plug Depth UOM: m

Plug ID: 1006952709
Layer: 2
Plug From: 0.310000002384186
Plug To: 4.26999998092651
Plug Depth UOM: m

Plug ID: 1006952708
Layer: 1
Plug From: 0
Plug To: 0.310000002384186
Plug Depth UOM: m

Method Construction ID: 1006952707
Method Construction Code: D
Method Construction: Direct Push
Other Method Construction:

Pipe ID: 1006952697
Casing No: 0
Comment:
Alt Name:

Screen ID: 1006952704
Layer: 1
Slot: 10
Screen Top Depth: 4.57000017166138
Screen End Depth: 7.61999988555908
Screen Material: 5
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter: 4.82000017166138

Water ID: 1006952702
Layer:
Kind Code:
Kind:

Wells and Additional Sources Detail Report

Water Found Depth:

Water Found Depth UOM: m

Hole ID: 1006952701

Diameter: 8.25

Depth From: 0.0

Depth To: 7.619999885559082

Hole Depth UOM: m

Hole Diameter UOM: cm

Radon Information

Detailed radon information for the project property is provided below.

Radon Zone Information

ID: 144852 **Radon Rank:** LOW

Health Canada Radon Information

Health Region: 3551
Health Region Name: City of Ottawa Health Unit
Province or Territory: ON
Number Homes in Survey: 64
% Below 200 Bq/m3: 93.8
% Above 200 Bq/m3: 6.2
200 to 600 Bq/m3: 6.2
% Above 600 Bq/m3: 0

Area of Natural and Scientific Interest Information

There is no ANSI unit available in this area.

Area of Natural and Scientific Interest Information

Detailed ANSI information is provided below.

No records found for the project property or surrounding properties.

Federal Sources

Bedrock Geology of Canada

The Geological Map of Canada is scaled at 1:5,000,000. This map is created by Geological Survey of Canada and published by Natural Resources Canada.

BEDROCK GEOLOGY

Health Canada Radon Information

This source is the results from the Cross-Canada Survey of Radon Concentrations in Homes, a two-year study conducted by Health Canada's National Radon Program. The aims of this study were to obtain an estimate of the proportion of the Canadian population living in homes with radon gas levels above the guideline of 200 Bq/m³, to identify previously unknown areas where radon gas exposure may constitute a health risk, and to build, over time, a map of indoor radon gas exposure levels across Canada.

RADON

National Energy Board Wells

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.

NEBP

Soil Landscapes of Canada (SLC)

Major characteristics of soil and land such as surface form, slope, water table depth, permafrost and lakes.

SLC

Surficial Geology of Canada

This map contains information on surficial materials and associated landforms left by the retreat of the last glaciers and non glacial environments. It is based on compilation of existing maps. This data was authored by the Geological Survey of Canada and published by Natural Resources Canada.

SURFICIAL GEOLOGY

Toporama

Toporama covers the entire area of Canada's landmass and provides topographic, geo-referenced, and symbolic information in a raster format at 1:50,000 scale. This is a digital topographic reference product made available by Natural Resources Canada (NRCan).

TOPORAMA

Provincial Sources

Area of Natural and Scientific Interest

Areas of Natural and Scientific Interest (ANSIs) are lands and waters with features that are important for natural heritage protection, appreciation, scientific study or education. This dataset is made available by Ontario Ministry of Natural Resources.

ANSI

Bedrock Geology of Ontario

The Bedrock Geology layer shows the distribution of bedrock units underlying Ontario at a 1:250,000 scale. The geology of the province consists of Precambrian rocks of the Canadian Shield and Phanerozoic sedimentary rocks that overlie the Canadian Shield. This layer was compiled by the Precambrian Geoscience Section of Ontario Geological Survey.

BEDROCK GEOLOGY

Ontario Detailed Soil Survey (DSS3)

Soil surveys have been published for most of the agricultural areas, and many surrounding areas, across Canada. Data from these surveys comprise the most detailed soil inventory information in the National Soil DataBase. Data is made available by Agriculture and Agri-Food Canada

SOIL SURVEY

Ontario Oil and Gas Wells

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 OGS 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.

OOGW

Provincial Groundwater Monitoring Network

GROUNDWATER

Appendix

Groundwater level and chemistry data from monitoring wells that are part of the Provincial Groundwater Monitoring Network (PGMN) Program. Precipitation data (rain) is also available for some sites. This data is provided by Ontario Ministry of Environment and Climate Change.

Surficial Geology of Ontario

The Surficial Geology dataset contains a layer depicting the distribution and characteristics of surficial deposits across southern Ontario. This data set is authored by the Ontario Geological Survey.

SURFICIAL GEOLOGY

Topographic Map of Ontario

The Ontario Basic Mapping program provides a relationship between topographic information and the provincial geographical referencing grid, thereby forming the foundation for a comprehensive provincial geographical referencing system. This data is made available by the Ontario Ministry of Natural Resources and Forestry. This is ERIS self-designed topographic map template at 1:10,000.

TOPOGRAPHIC MAP

Water Well Information System

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.

WWIS

Wetlands of Ontario

The Ministry of Natural Resources and Forestry has made available a database of wetlands in Ontario. Certain attributes identify wetlands that have been evaluated with the Ontario Wetland Evaluation System (OWES), and of those which ones have been designated as Provincially Significant Wetlands (PSW).

WETLAND

Private Sources

Oil and Gas Wells

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.

OGWE

Radon Zone Information

The Radon Potential Map is developed by Radon Environmental Management Corporation. Its objective was to illustrate the relative variation of radon risk across the country, and in 2011 it published its first geologic Radon Potential Map of Canada.

RADON

Liability Notice

Reliance on information in Report: The Physical Setting Report (PSR) DOES NOT replace a full Phase I Environmental Site Assessment but is solely intended to be used as a review of environmental databases and physical characteristics for the site or adjacent properties.

License for use of information in Report: No page of this report can be used without this cover page, this notice and the project property identifier. The information in Report(s) may not be modified or re-sold.


Your Liability for misuse: Using this Service and/or its reports in a manner contrary to this Notice or your agreement will be in breach of copyright and contract and ERIS may obtain damages for such mis-use, including damages caused to third parties, and gives ERIS the right to terminate your account, rescind your license to any previous reports and to bar you from future use of the Service.

No warranty of Accuracy or Liability for ERIS: The information contained in this report has been produced by ERIS Information Limited Partnership ("ERIS") using various sources of information, including information provided by Federal and State government departments. The report applies only to the address and up to the date specified on the cover of this report, and any alterations or deviation from this description will require a new report. This report and the data contained herein does not purport to be and does not constitute a guarantee of the accuracy of the information contained herein and does not constitute a legal opinion nor medical advice. Although ERIS has endeavored to present you with information that is accurate, ERIS Information Limited Partnership disclaims, any and all liability for any errors, omissions, or inaccuracies in such information and data, whether attributable to inadvertence, negligence or otherwise, and for any consequences arising therefrom. Liability on the part of ERIS is limited to the monetary value paid for this report.

Trademark and Copyright: You may not use the ERIS trademarks or attribute any work to ERIS other than as outlined above. This Service and Report(s) are protected by copyright owned by ERIS Information Limited Partnership. Copyright in data used in the Service or Report(s) (the "Data") is owned by ERIS or its licensors. The Service, Report(s) and Data may not be copied or reproduced in whole or in any substantial part without prior written consent of ERIS.

APPENDIX E
MECP FOI Search Request

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

Requester Data			For Ministry Use Only	
Name, Title, Company Name and Mailing Address of Requester Julie Crooks Pinchin Ltd. 1 Hines Road, Suite 200 Kanata, Ontario K2K 3C7 For questions or concerns please contact Julie Crooks at: jcrooks@pinchin.com			FOI Request No.	FOI Co-ordinator Review date
			Date Request Received	Fee Paid ~ ACCT ~ CHQ <input checked="" type="checkbox"/> VISA ~ CASH
			Response Due Date	
Telephone/Fax Nos. Tel: (613) 592-3387 ext 1833 Fax (613) 592-5897	Your Project/Reference No. 297563	Signature of Requester 	<input type="checkbox"/> CNR <input type="checkbox"/> ER <input type="checkbox"/> NOR <input type="checkbox"/> SWR <input type="checkbox"/> <input type="checkbox"/> WCR <input type="checkbox"/> SAC <input type="checkbox"/> IEB <input type="checkbox"/> EAA <input type="checkbox"/>	
Request Parameters				
Municipal Address / Lot, Concession, Geographic Township (Municipal address essential for cities, towns or regions)				
29 Russell Ave Ottawa Ontario				
Present Property Owner(s) and Date(s) of Ownership				
Previous Property Owner(s) and Date(s) of Ownership				
Peter Lewis				
Present/Previous Tenant(s),(if applicable)				
Search Parameters				Specify Year(s) Requested
Files older than 2 years may require \$60.00 retrieval cost. There is no guarantee that records responsive to your request will be located.				
Environmental concerns (General correspondence, occurrence reports, abatement)				ALL
Orders				ALL
Spills				ALL
Investigations/prosecutions ▶ Owner/tenant information must be provided				ALL
Waste Generator number/classes				ALL
Certificates of Approval ▶ Proponent information must be provided				
1985 and prior records are searched manually. Search fees in excess of \$300.00 could be incurred, depending on the types and years to be searched. Specify Certificates of Approval number (s) (if known). If supporting documents are also required, mark SD box and specify type e.g. maps, plans, hydrogeological reports, etc.				
			SD	Specify Year(s) Requested
air – emissions				
water - mains, treatment, ground level, standpipes & elevated storage, pumping stations (local & booster)				
sewage - sanitary, storm, treatment, stormwater, leachate & leachate treatment & sewage pump stations				
waste water - industrial discharge				
waste sites - disposal, landfill sites, transfer stations, processing sites, incinerator sites				
waste systems	- haulers: sewage, non-hazardous & hazardous waste			
	- mobile waste processing units			
	- PCB destruction			
pesticides - licenses				

APPENDIX F
TSSA Archival Search Requests



Technical Standards and Safety Authority
 345 Carlingview Drive
 Toronto, Ontario M9W 6N9
 Customer Service: 1.877.682.8772
 Fax: 416.231.4903
 Email: publicinformation@tssa.org
www.tssa.org

Application for Release of Public Information Issued under the Access and Privacy Code

Clear Form

Print Form

A. REQUESTOR INFORMATION:

Your File/Project/Reference No: 297563 Date: Aug 24 2021

Requestor Name : Julie Crooks		Organization Pinchin Ltd.		For Office Use Only	
Suite/Unit No: 200	Street No: 1	Street Name: Hines Road			Date
City: Kanata	Province: ON	Postal Code: K2K 2X3			Account No.
Primary Phone: 613-592-3387 Ext. 1833		Secondary Phone:			SR No.
Email: jcrooks@pinchin.com		Fax: 613-592-5897			P.I No:

B. PROGRAM (check ALL that apply)

Boilers & Pressure Vessels
 Elevating & Amusement Devices
 Fuels
 Upholstered and Stuffed Articles

C. DETAILS OF REQUEST (please list in detail the information you require)

Archival Search request for Tanks.

D. PLEASE ANSWER ALL THAT APPLY:

Address of Subject Location (one address per form)
23 Russell Ave Ottawa ON

Device/equipment Type: _____ Owner: _____

Installation Number: _____

CRN: _____ OIN: _____ Serial #: _____

Victim Name (if applicable): _____

Certificate Holder Name (if applicable): _____ Certificate Holder Date of Birth: _____
 (DD-MM-YYYY)

Date /period requested:

From (date): _____ to (date) _____
 Most recent record



Technical Standards and Safety Authority
 345 Carlingview Drive
 Toronto, Ontario M9W 6N9
 Fax: 416.231.4903
 Customer Service: 1.877.682.8772
 Email: publicinformation@tssa.org
www.tssa.org

Application for Release of Public Information Issued under the Access and Privacy Code

E. REASON FOR REQUEST (please explain the reason for your request)

We are completing a Phase I ESA at the Property.

F. FEES & PAYMENT:

TSSA will provide a fee quote for multiple record requests, which must be approved by the Applicant before a record search commences. For fees for single searches, please refer to Fee Schedule [Website Fee Schedule.pdf](#)

Payment for single record search is attached (please check if payment attached)

	Technical Standards and Safety Authority 345 Carlingview Drive Toronto, Ontario M9W 6N9	COMPLETE FOR CREDIT CARD PAYMENTS	
	Card Type: <input checked="" type="checkbox"/> VISA <input type="checkbox"/> MASTERCARD	Amount of Payment \$	56.50
Card#	<input type="text"/>	Expiry Date	<input type="text" value="02"/> <input type="text" value="25"/>
In payment of	fifty six dollars and fifty cents		
Name of Card Holder	Larry Backman	Client Tel. No.	613-592-3387
	<i>First Name</i> <i>Last Name</i>		
Signature of Card Holder		Date	Aug 24 2021 (DD-MM-YYYY)

G. TERMS AND CONDITIONS:

Please refer to the link for our Access and Privacy Code [Access and Privacy Code.pdf](#). If this request includes a release of personal information, TSSA will require consent from the effected party.

Applicant Signature	Please Print and sign before returning to TSSA	Date Aug 24 2021
---------------------	---	---------------------



Technical Standards and Safety Authority
 345 Carlingview Drive
 Toronto, Ontario M9W 6N9
 Customer Service: 1.877.682.8772
 Fax: 416.231.4903
 Email: publicinformation@tssa.org
www.tssa.org

Application for Release of Public Information Issued under the Access and Privacy Code

Clear Form

Print Form

A. REQUESTOR INFORMATION:

Your File/Project/Reference No: 297563 Date: Aug 20 2021

Requestor Name : Julie Crooks		Organization Pinchin Ltd.		For Office Use Only	
Suite/Unit No: 200	Street No: 1	Street Name: Hines Road			Date
City: Kanata	Province: ON	Postal Code: K2K 2X3			Account No.
Primary Phone: 613-592-3387 Ext. 1833		Secondary Phone:			SR No.
Email: jcrooks@pinchin.com		Fax: 613-592-5897			P.I No:

B. PROGRAM (check ALL that apply)

Boilers & Pressure Vessels
 Elevating & Amusement Devices
 Fuels
 Upholstered and Stuffed Articles

C. DETAILS OF REQUEST (please list in detail the information you require)

Archival Search request for Tanks.

D. PLEASE ANSWER ALL THAT APPLY:

Address of Subject Location (one address per form)
29 Russell Ave Ottawa Ontario

Device/equipment Type: _____ Owner: _____

Installation Number: _____

CRN: _____ OIN: _____ Serial #: _____

Victim Name (if applicable): _____

Certificate Holder Name (if applicable): _____ Certificate Holder Date of Birth: _____
 (DD-MM-YYYY)

Date /period requested:

From (date): _____ to (date) _____
 Most recent record



Technical Standards and Safety Authority
 345 Carlingview Drive
 Toronto, Ontario M9W 6N9
 Fax: 416.231.4903
 Customer Service: 1.877.682.8772
 Email: publicinformation@tssa.org
www.tssa.org

Application for Release of Public Information Issued under the Access and Privacy Code

E. REASON FOR REQUEST (please explain the reason for your request)

We are completing a Phase I ESA at the Property.

F. FEES & PAYMENT:

TSSA will provide a fee quote for multiple record requests, which must be approved by the Applicant before a record search commences. For fees for single searches, please refer to Fee Schedule [Website Fee Schedule.pdf](#)

Payment for single record search is attached (please check if payment attached)

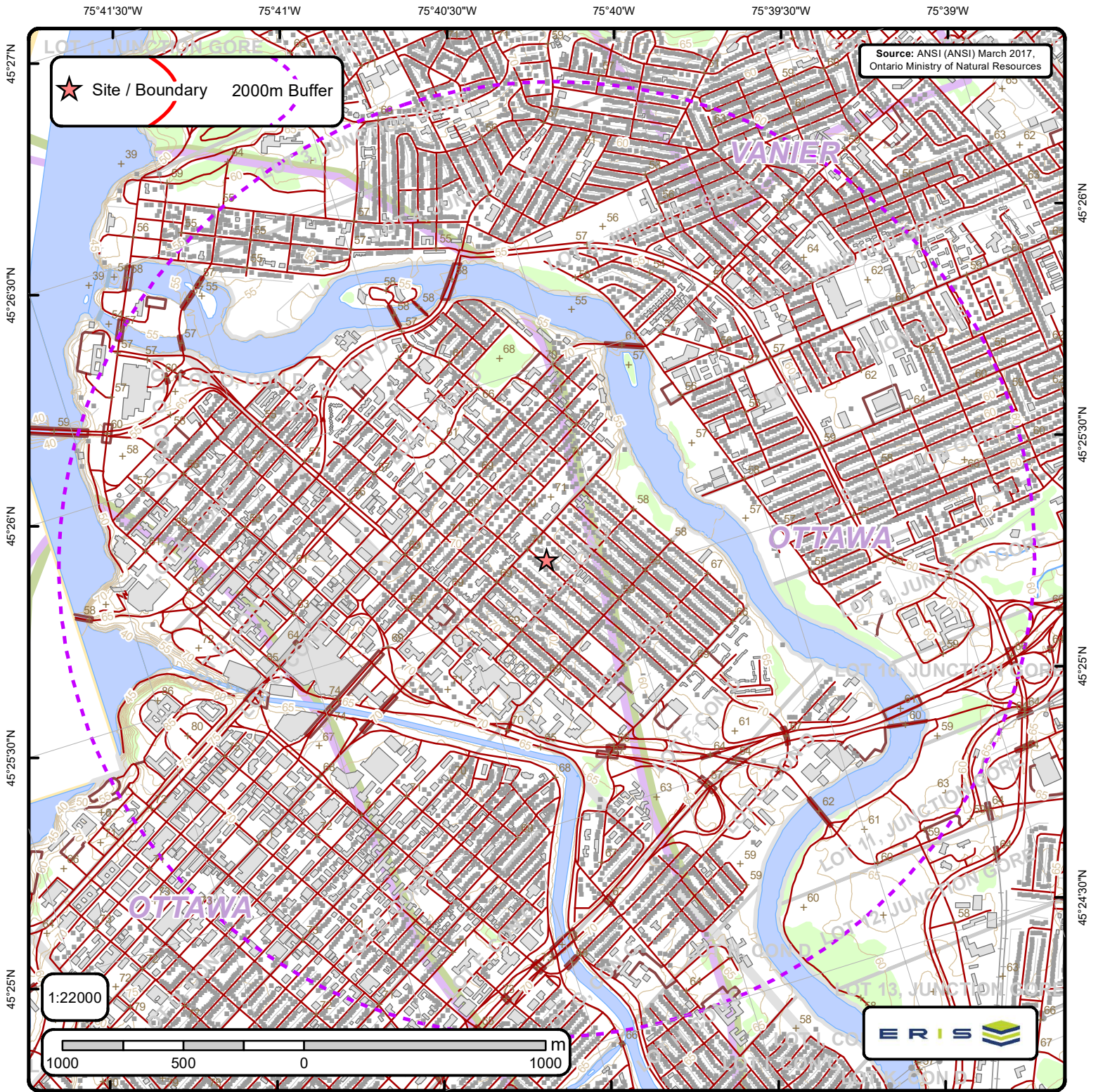
	Technical Standards and Safety Authority 345 Carlingview Drive Toronto, Ontario M9W 6N9	COMPLETE FOR CREDIT CARD PAYMENTS	
	Card Type: <input checked="" type="checkbox"/> VISA <input type="checkbox"/> MASTERCARD	Amount of Payment \$	56.50
Card#	<input type="text"/>	Expiry Date	<input type="text" value="02"/> <input type="text" value="25"/>
In payment of	fifty six dollars and fifty cents		
Name of Card Holder	Larry Backman	Client Tel. No.	613-592-3387
	<i>First Name</i> <i>Last Name</i>		
Signature of Card Holder		Date	Aug 20 2021 (DD-MM-YYYY)

G. TERMS AND CONDITIONS:

Please refer to the link for our Access and Privacy Code [Access and Privacy Code.pdf](#). If this request includes a release of personal information, TSSA will require consent from the effected party.

Applicant Signature	Please Print and sign before returning to TSSA	Date Aug 20 2021
---------------------	---	---------------------

APPENDIX G
Maps



Area of Natural & Scientific Interest (ANSI) Order No. 21081700047

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



ANSI Report

ANSI Units Found within 2000 m of
29 Russell Ave Ottawa Ontario

Page 1
Order No.
21081700047



No ANSI units found within search area.

75°41'30"W

75°41'W

75°40'30"W

75°40'W

75°39'30"W

75°39'W

45°27'N

45°26'30"N

45°26'N

45°25'30"N

45°25'N

45°26'N

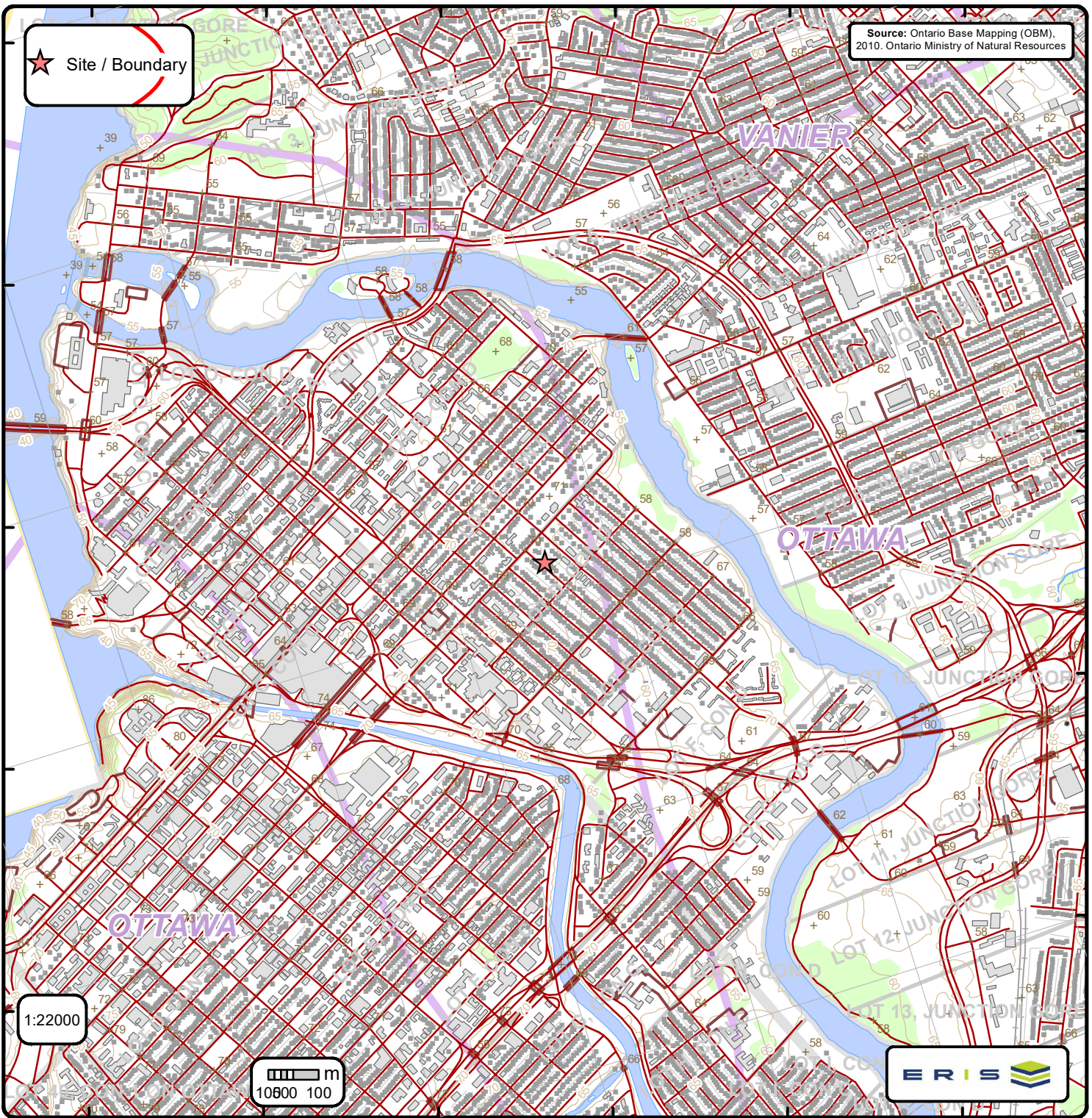
45°25'30"N

45°25'N

45°24'30"N

★ Site / Boundary

Source: Ontario Base Mapping (OBM), 2010. Ontario Ministry of Natural Resources



1:22000

10600 100 m



Ontario Base Mapping (OBM) Data

Order No. 21081700047

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