

PHASE ONE ENVIRONMENTAL SITE ASSESSMENT

296 SOMERSET STREET EAST, OTTAWA, ON



Project No.: OCP-18-0041

Prepared for:

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Executive Summary

McIntosh Perry Consulting Engineers Ltd. (McIntosh Perry) was retained by TC United Group to conduct a Phase One Environmental Site Assessment (ESA) for the property located at 296 Somerset Street East, Ottawa, Ontario ('the Site'). The Site is bounded to the north by Somerset Street East, and to the east, west, and south by residential dwellings. The Site currently consists of a single family residential building (currently occupied) and a small detached garage.

It is understood that this Phase One ESA is being completed as a component of the City of Ottawa site plan submission process, in support of an application to construct a residential building which will include four residential units and one commercial unit on the ground floor.

The Phase One ESA has been prepared in general accordance with the requirements of Ontario Regulation (O.Reg.) 153/04 as amended. The report is also in general compliance with "Phase I Environmental Site Assessment", Canadian Standards Association (CSA) standard CSA Z768-01, reaffirmed 2016.

Based on a review of aerial photographs, historical information, and interviews, the Site was developed with the present-day residential dwelling between 1924 and 1928. Prior to this time, the Site was likely vacant.

No Potentially Contaminating Activities (PCAs) or Areas of Potential Environmental Concern (APECs) were identified at, on, or under the Site.

The following offsite PCAs were identified in the Phase One ESA Study Area:

- 308 Somerset Street East – Possible historical use as a dry cleaner and dye manufacturing, processing, and/or bulk storage.
- 306 Somerset Street East – Ontario Spill Record (outdoor oil tank 'weeping').
- 330 Templeton Street – Ontario Spill Record (underground fuel storage tank leak).
- 330 Templeton Street – O.Reg 347 waste generator (oil skimmings and sludges).

Based on the nature, location, and age of the offsite PCAs, no on-site APECs were identified. A Phase 2 ESA is not deemed to be necessary at this time.

TABLE OF CONTENTS

1.0	INTRODUCTION	1
1.1	<i>Phase One Property Information</i>	1
1.1.1	Property Identification	1
1.1.2	Property Ownership and Contact Details	1
1.1.3	Current and Proposed Future Uses	1
1.2	<i>Surrounding Land Use</i>	1
2.0	SCOPE OF INVESTIGATION	2
3.0	RECORDS REVIEW	3
3.1	<i>General</i>	3
3.1.1	Phase One Study Area Determination	3
3.1.2	First Developed Use Determination	3
3.1.3	Fire Insurance Plans	3
3.1.4	Chain of Title	3
3.1.5	Reports by Others	3
3.1.6	City Directories	3
3.2	<i>Environmental Source Information</i>	4
3.2.1	Databases Searched	4
3.2.2	Database Findings Relevant to the Phase One ESA	5
3.2.3	MOECC Freedom of Information Request	9
3.2.4	TSSA Information Request	9
4.0	PHYSICAL SETTING	10
4.1	<i>Aerial Photographs and Satellite Images</i>	10
4.2	<i>Topography</i>	10
4.3	<i>Hydrology</i>	10
4.4	<i>Geology</i>	11
4.4.1	Surficial Geology	11
4.4.2	Bedrock Geology	11
4.5	<i>Hydrogeology</i>	11

4.6	Fill Materials.....	11
4.7	Water Bodies and Areas of Natural Significance.....	11
4.8	Well Records.....	12
5.0	INTERVIEWS	13
6.0	SITE RECONNAISSANCE	14
6.1	General Requirements	14
6.1.1	Qualifications of the Assessors	14
6.1.2	Weather Conditions at Time of Inspection	14
6.1.3	Property Occupancy/Use Status at Time of Inspection	14
6.1.4	Site Photographs.....	14
6.2	Description of Investigations.....	15
6.2.1	Phase One Property	15
6.2.2	Phase One Study Area	15
6.3	Specific Observations at the Phase One Property.....	15
6.3.1	Structures and Other Improvements.....	15
6.3.2	Below Ground Structures	15
6.3.3	Storage Tanks	15
6.3.4	Hazardous Materials	15
6.3.5	Potable and Non-Potable Water Sources.....	16
6.3.6	Underground Service Trenches	16
6.3.7	Exit and Entry Points	16
6.3.8	Existing and Former Heating Systems.....	16
6.3.9	Cooling Systems.....	16
6.3.10	Drains, Pits, and Sumps	16
6.3.11	Unidentified Substances.....	16
6.3.12	Stains and/or Corrosion Near Drains, Pits, and Sumps	16
6.3.13	Well Details.....	16
6.3.14	Details of Sewage Works.....	16
6.3.15	Ground Surface Details	16
6.3.16	Current and Former Railway Lines.....	16

6.3.17	Staining to Soil, Vegetation, or Pavement.....	17
6.3.18	Stressed Vegetation	17
6.3.19	Fill and Debris	17
6.3.20	Mould	17
6.3.21	Potentially Contaminating Activities (PCAs) and Areas of Potential Environmental Concern (APECs)	17
6.4	<i>Surrounding Properties</i>	17
7.0	REVIEW AND EVALUATION OF INFORMATION	18
7.1	<i>Current and Past Uses of Phase One Property</i>	18
7.2	<i>Potentially Contaminating Activities</i>	18
7.3	<i>Areas of Potential Environmental Concern (APEC)</i>	19
7.4	<i>Phase One Conceptual Site Model</i>	19
8.0	CONCLUSIONS	21
8.1	<i>Is a Phase 2 ESA Required?</i>	21
9.0	LIMITATIONS	22
10.0	CLOSURE	23
11.0	REFERENCES	24

TABLES

Table 1: Borehole Records	6
Table 2: Certificate of Approval Records.....	7
Table 3: ERIS Historical Searches	7
Table 4: Ontario Regulation 347 Waste Generator Records.....	8
Table 5: TSSA Pipeline Incident Records	8
Table 6: Ontario Spill Records	8
Table 7: Current and Historical Land Use from Aerial Photographs and Satellite Images.....	10
Table 8: Current and Past Uses of the Phase One ESA Property	18

FIGURES

Figure 1	Site Location
Figure 2	Site Layout
Figure 3	Study Area
Figure 4	Surrounding Land Use
Figure 5	Drainage and Topography
Figure 6	Potentially Contaminating Activities

APPENDICES

Appendix A	EcoLog ERIS Report
Appendix B	Additional Information
Appendix C	Correspondence
Appendix D	Aerial Photographs
Appendix E	Interview Records
Appendix F	Site Photographs

1.0 INTRODUCTION

McIntosh Perry Consulting Engineers Ltd. (McIntosh Perry) was retained by TC United Group to conduct a Phase One Environmental Site Assessment (ESA) for the property located at 296 Somerset Street East, Ottawa, Ontario ('the Site'). The Site is bounded to the north by Somerset Street East, and to the east, west, and south by residential dwellings. The Site currently consists of a single family residential building (currently occupied) and a small detached garage.

It is understood that this Phase One ESA is being completed as a component of the City of Ottawa site plan submission process, in support of an application to construct a residential building which will include four residential units and one commercial unit on the ground floor.

The Site location is shown on Figure 1 (Site Location). The Site layout and features are shown on Figure 2 (Site Layout).

The intended future use of the Site will remain primarily residential.

1.1 Phase One Property Information

The Site is zoned as Residential Fourth Density Zone, which is described under section 161-162 of the City of Ottawa Zoning By-law. This zoning permits the current land use at the Site.

The total area of the Site is approximately 0.07 acres (ac).

1.1.1 Property Identification

The legal description of the Site is as follows;

Plan 46666 W Part Lot 15; Rideau-Vanier PIN - 042050095

1.1.2 Property Ownership and Contact Details

McIntosh Perry was retained to complete this Phase One ESA by TC United Group, on behalf of the current owner of the Site (ABCG Properties). McIntosh Perry's site contact person for the Site is Daniel Boulanger, Director of Planning & Consulting. Mr. Boulanger can be contacted at dan.boulanger@tcunitedgroup.com.

1.1.3 Current and Proposed Future Uses

The Site is currently occupied and used for residential purposes. The future use of the Site is to remain primarily unchanged.

1.2 Surrounding Land Use

Land use in the vicinity of the Site is predominantly residential, although commercial, community, parkland, and transportation (road) uses are also noted within the Phase One Study Area.

2.0 SCOPE OF INVESTIGATION

A Phase One ESA is a preliminary environmental screening tool designed to provide a qualitative assessment of the environmental condition of a site, based on a desktop review of available documentation pertaining to the site and observations made during a site visit. Sampling and chemical analysis of soils, groundwater, and/or other materials/substances are beyond the scope of work for a Phase One ESA.

The Phase One ESA has been prepared in general accordance with the requirements of the following legislation:

- Ontario Regulation (O.Reg.) 153/04 - Records of Site Condition (as amended).

The report is also in general compliance with:

- "Phase One Environmental Site Assessment", Canadian Standards Association (CSA) standard CSA Z768-01, Reaffirmed 2016.

A designated substances survey was not completed as part of the current investigation.

The Site is not an 'Enhanced Investigation Property' as defined in O.Reg. 153/04 (as amended).

3.0 RECORDS REVIEW

3.1 General

3.1.1 *Phase One Study Area Determination*

The Phase One Study Area includes the following properties:

- The Site
- All properties within approximately 250m of the Site boundary (Phase One ESA Study Area)

The Phase One ESA Study Area, including surrounding land uses, is shown on Figure 3 & 4 (Study Area & Surrounding Land Use, respectively).

3.1.2 *First Developed Use Determination*

The Site currently consists of a single family, 2-storey residential house and a small garage.

Based on a review of aerial photographs and historical information, the Site appears to have been developed to its current use and general configuration at some time between 1924 and 1928. While no address was listed for the Site in the city directory search prior to 1930, the Site appears to be developed with a small structure (likely a residential house) in an air photo from 1928. Prior to this time, the previous condition of the Site is not known.

3.1.3 *Fire Insurance Plans*

The Catalogue of Canadian Fire Insurance Plans (FIPs) was searched as part of this Phase One ESA. Records from 1956 were obtained. The present-day buildings (residential dwelling and detached garage) were constructed at the time of preparation of the FIPs. The FIPs did not identify any environmental concerns at the Site or in the immediate vicinity. FIPs are included in Appendix B.

3.1.4 *Chain of Title*

No Chain of Title search was conducted as part of this report.

3.1.5 *Reports by Others*

No reports by others were available for review.

3.1.6 *City Directories*

City directory listings for the Site and adjacent properties were searched by EcoLog ERIS of Toronto, Ontario. Directories were searched in approximate 5-year intervals, dating back to 1910, prior to the first developed use of the Site. City directory search records are provided in Appendix B.

Based on the directories, the Site was first listed as a residential dwelling in 1930. Between 1930 and the most recent directory listing (2000), the Site is listed as occupied by residential tenants. The Site was not listed in City directories between 1910 and 1930.

City directories for surrounding properties identified a Potentially Contaminating Activity (PCA) at 308 Somerset Street East. This address, which is currently a coin-operated laundromat, was listed as 'Spic and Span Cleaners' in 1960 and as 'Blackwell Lyle Ltd. Cleaners and Dyers' from 1950-1955. While there is no detailed information available on either establishment, cleaning operations may have included the use of dry cleaning solvents, and dye manufacturing, processing, and bulk storage are considered PCAs under O.Reg. 153/04, as amended.

3.2 Environmental Source Information

McIntosh Perry completed a records review to obtain information about the Site pertaining to items of actual and/or potential environmental concern.

3.2.1 Databases Searched

McIntosh Perry obtained information contained in the databases listed below from EcoLog ERIS of Toronto, Ontario. Details about the sources of information and the years included for each database, as well as the pertinent information obtained from these databases are included in the EcoLog ERIS report which is included as Appendix A.

Federal Government Databases:

- Environmental Effects Monitoring
- Environmental Issues Inventory System
- Federal Convictions
- Contaminated Sites on Federal Land
- Fisheries & Oceans Fuel Tanks
- Indian and Northern Affairs Fuel Tanks
- National Analysis of Trends in Emergencies System (NATES)
- National Defence & Canadian Forces Fuel Tanks
- National Defence & Canadian Forces Spills
- National Defence & Canadian Forces Waste Disposal Sites
- National Environmental Emergencies System (NEES)
- National PCB Inventory
- National Pollutant Release Inventory
- Parks Canada Fuel Storage Tanks
- Transport Canada Fuel Storage Tanks

Provincial Government Databases:

- Abandoned Aggregate Inventory

- Aggregate Inventory
- Abandoned Mines Information System
- Certificates of Approval
- Coal Gasification Plants
- Compliance and Convictions
- Drill Holes
- Environmental Registry
- Ontario Regulation 347 Waste Generators Summary
- Mineral Occurrences
- Non-Compliance Reports
- Ontario Oil and Gas Wells
- Ontario Inventory of PCB Storage Sites
- Ministry Orders
- Occurrence Reporting Information System
- Pesticide Register
- Private Fuel Storage Tanks
- Ontario Regulation 347 Waste Receivers Summary
- Record of Site Condition
- Wastewater Discharger Registration Database
- Waste Disposal Sites – MOE CA Inventory
- Waste Disposal Sites – MOE 1991 Historical Approval Inventory
- Water Well Information System

Private Databases:

- Anderson's Waste Disposal Sites
- Automobile Wrecking and Supplies
- Commercial Fuel Oil Tanks
- Chemical Register
- ERIS Historical Searches
- Canadian Mine Locations
- Oil and Gas Wells
- Canadian Pulp and Paper
- Retail Fuel Storage Tanks
- Scott's Manufacturing Directory
- Anderson's Storage Tanks

3.2.2 Database Findings Relevant to the Phase One ESA

The databases searched by EcoLog ERIS contained the following information pertaining to the Site:

- Seventeen (17) Boreholes records

- Eight (8) Certificates of Approvals
- One (1) Environmental Compliance Approval
- Eight (8) ERIS Historical Searches
- One (1) Ontario Regulation 347 Waste Generator records
- One (1) TSSA Historical Incident
- One (1) TSSA Pipeline Incident
- Two (2) Ontario Spill records
- One (1) MOECC Water Well Information System record

Relevant information from the EcoLog ERIS report is summarized as follows:

Boreholes

Seventeen borehole logs were listed within 250 m of the Site. No boreholes were recorded on the subject property. Borehole records in the Study Area are summarized in the table below:

Table 1: Borehole Records

Borehole ID	Location Relative to Site (m)	Completion Depth (m bgs)	Depth to Bedrock (m bgs)
806990	54 m W	46	1.4
803759	137 m WSW	5	3.4
803463	138 m NE	3.2	0.7
803762	138 m SW	2	-
803462	147 m NE	1.5	0.6
803764	153 m SSW	4.9	2.4
803461	161 m NNE	3.3	0.8
803459	178 m NNE	1.3	-
803767	184 m SSW	2	1.7
806981	206 m NE	46	2.1
803457	208 m N	2.7	1.2
803512	210 m ENE	3.4	1.9
803509	212 m NE	1.2	-
803770	217 m S	4.7	2.3
803515	233 m E	4.3	-
803505	233 m NNE	3.8	2.2
803454	238 m N	1.8	-

The average completion depth of the boreholes is 8.1 m bgs, with bedrock found at an average depth of 1.7 m bgs, where encountered. Locations of the boreholes can be found in the EcoLog ERIS report in Appendix A.

Certificates of Approval

Eight Certificates of Approval records were found within 250 m of the Site. No records were found for the Site itself, and no records in the Study Area represent a significant environmental liability to the Site. Certificates of Approval records are summarized in the table below:

Table 2: Certificate of Approval Records

Certificate Number	Company	Location	Approval Type	Approval Year
7-0260-97	R.M of Ottawa-Carleton	Russell Ave & Somerset St. E.	Municipal Water	1997
3-0345-97	Ottawa City	Russell Ave & Somerset St. E.	Municipal Sewage	1997
3-0602-97	Fernando Martins	165-169 Russell Ave.	Municipal Sewage	1997
6822-7BSL6V	City of Ottawa	250 Somerset St. E.	Air	2008

Environmental Compliance Approval

One Environmental Compliance Approval was found within 250 m of the Site, which is summarized in Table 2, above (6822-7BSL6V); Environmental Compliance Approvals are contemporary equivalents to Certificates of Approval.

Historical ERIS Searches

Eight ERIS Historical searches were listed within 250 m of the Site. No searches were found on the Site itself. The searches are summarized in the Table below:

Table 3: ERIS Historical Searches

Report Type	Location	Date
Custom Report	287 Somerset St. E.	19-Feb-2016
Standard Report	322 Somerset St. E.	3-May-2016
Standard Report	322 Somerset St. E.	25-Feb-2010
Custom Report	323 Somerset St. E.	11-Dec-2013
Complete Report	250 Somerset St. E.	4-Apr-2008
Custom Report	421 Nelson St.	4-Jul-2013
Standard Report	45 Blackburn Ave.	19-Aug-2016
Custom Report	411 Nelson St.	14-Dec-2015

Ontario Regulation 347 Waste Generators

One Ontario Regulation 347 Waste Generators were found within 250 m of the Site. No records were found for the Site itself. This record is summarized in Table below:

Table 4: Ontario Regulation 347 Waste Generator Records

Company	Address	Waste Description	Approval Years
Manion Plumbing & Heating	330 Templeton St	Oil Skimmings and Sludges	2004-2006

Due to its separation distance from the Site and nature of the waste, this record is not considered to represent a significant environmental liability to the Site.

TSSA Pipeline Incidents

One TSSA Pipeline Incident record was found within 250 m of the Site. No records were found for the Site itself. The Table below summarizes the TSSA Pipeline Incident record:

Table 5: TSSA Pipeline Incident Records

Location	Fuel Type	Incident Description	Date
104 Blackburn Ave.	Natural Gas	½ inch pipeline hit	2015/12/09

Due to the nature of the fuel (gaseous) this incident is not considered to represent a significant environmental liability to the Site. A mapped location of the TSSA pipeline incident can be found in the Ecolog ERIS report in Appendix A.

Ontario Spills

Two Ontario Spill records were found within 250 m of the Site. No on-site spills were identified. The Table below summarizes the spill record:

Table 6: Ontario Spill Records

Location	Contaminant	Incident	Impacts	Date
316 Somerset St. E.	Furnace Oil	Outside furnace oil tank weeping	Environmental impacts noted as not anticipated	31-Oct-2011
330 Templeton St.	Furnace Oil	Leaking underground tank	Environmental impacts not anticipated	28-Jul-2004

Due to the nature of the above-noted incidents, specifically the fact that environmental impacts were noted as not anticipated, neither incident is considered to be a significant environmental liability to the Site.

Locations of the spills can be found in the Ecolog ERIS report in Appendix A.

MOECC Water Well Information System Records

One MOECC Water Well Information System record was found within 250 m of the Site. The record is for a monitoring well (MOECC ID 7242733) at 86 Templeton St. No details regarding groundwater were provided.

3.2.3 MOECC Freedom of Information Request

In order to identify any previous environmental reports concerning the Site, an MOECC Freedom of Information (FOI) request was submitted for the Site on January 31, 2018. No response has been received to-date. Should pertinent information be provided in a response, it will be included to update this report at a later date. A copy of the MOECC request is provided in Appendix C.

3.2.4 TSSA Information Request

An FOI request was submitted to the Technical Standards and Safety Authority (TSSA). No response has been received to-date. Should pertinent information be provided in a response, it will be included to update this report at a later date. A copy of the TSSA request is provided in Appendix C.

4.0 PHYSICAL SETTING

4.1 Aerial Photographs and Satellite Images

Table 7 describes observations about current and historical land use for the Site and surrounding properties that were noted during review of aerial photographs of the area taken between 1928 and 2017, included in Appendix D. Current land uses are included on Figure 4.

Table 7: Current and Historical Land Use from Aerial Photographs and Satellite Images

Date	Roll #	Observations
1928	GeoOttawa	The Site appears to be developed at this time with a small structure with frontage on Somerset St. E. Light-density residential and what appears to be commercial development is present in the Study Area, along with some areas of vacant land. Due to the quality of the air photo it is difficult to determine the uses of the buildings in the Study Area.
1958	GeoOttawa	The Site appears to be relatively unchanged since 1928. The Study Area, including areas that were previously vacant, has undergone further light to medium-density development. The Site and Study Area appears to be in its current configuration.
1965	GeoOttawa	The Site and Study Area remain relatively unchanged since 1958.
1976	GeoOttawa	The Site and Study Area remain relatively unchanged since 1965.
1991	GeoOttawa	The Site and Study Area remain relatively unchanged since 1976.
2005	GeoOttawa	The Site and Study Area remain relatively unchanged since 1991.
2017	GeoOttawa	The Site and Study Area remain relatively unchanged since 2007.

Based on the aerial photos, no past or current PCAs were identified on the Site or within the Study Area.

4.2 Topography

Elevation at the Site is approximately 58-59 m above sea level (m asl). The topography in the area is generally flat with a gentle slope toward the Rideau River (see Figure 5).

4.3 Hydrology

The Site occurs within the Lower Rideau River watersheds, a subwatershed of the Rideau River watershed. The Rideau River is located approximately 475 m east of the Site, at its closest point. Site drainage consists primarily of sheet flow to catch basins along Somerset Street East, with some infiltration interpreted to occur in areas of permeable ground surface.

4.4 Geology

4.4.1 Surficial Geology

Geological maps of the area classify the overburden at the Site as fine-textured glaciomarine deposits, consisting of silt and clay with minor sand and gravel. (OGS, 2017).

McIntosh Perry conducted a geotechnical investigation on the subject property on February 15-16, 2018. Two boreholes were completed on Site. Surficial geology observed during the geotechnical investigation consisted primarily of a thin layer of topsoil underlain by fill and/or reworked native material consisting of sand, gravel, and some brick and glass fragments.

4.4.2 Bedrock Geology

Geological maps of the area classify the bedrock under the Site as predominantly shale, limestone, dolostone, or siltstone of the Eastview Formation (OGS, 2017). McIntosh Perry's geotechnical boreholes encountered refusal on inferred bedrock at approximately 1.1-1.2 m below ground surface (m bgs).

4.5 Hydrogeology

The subject property is located within the Lower Rideau River watershed, a subwatershed of the Rideau River watershed. On a local and regional scale, groundwater likely flows west towards the Rideau River. The geotechnical investigation completed by McIntosh Perry identified groundwater at 1.87 m bgs, in the bedrock. The long-term water table at the Site is interpreted to be deeper within the bedrock layer, and was not measured as a component of the geotechnical investigation.

4.6 Fill Materials

A review of geotechnical borehole logs indicates that fill and/or re-worked native material is likely present at the Site. However, no large amounts of fill were observed on or around the Site, and fill material was likely imported for grading purposes concurrently with Site development.

No staining or odours were observed in the fill material, and this material is not considered to represent a significant environmental concern to the Site at this time.

4.7 Water Bodies and Areas of Natural Significance

The closest permanent waterbody is the Rideau River (located 475 m east of the Site, at its closest point).

When completing a Phase One ESA, considerations are made for the following MNRF-maintained areas of natural significance:

- Areas of Natural and Scientific Interest (ANSIs);
- Provincially Significant Wetlands (PSWs); and,
- Wildlife Management Areas (WMAs).

No areas of natural significance were observed within the Study Area.

4.8 Well Records

McIntosh Perry performed a well record search utilizing the EcoLog ERIS Water Well Information System (WWIS) data (based on MOECC GIS data). One monitoring well record was identified in the Study Area, at 86 Templeton Street (approximately 241 m south of the Site, at its closest point). This record indicated the presence of black shale at a depth of 4.27 m bgs.

5.0 INTERVIEWS

McIntosh Perry personnel conducted an interview with Dan Boulanger of TC United, to obtain information about the subject property pertaining to items of actual and/or potential environmental concern. Information collected during this interview was used to corroborate data from other sources, and is presented in Appendix E.

The information obtained from the interview is summarized as follows:

Potential Environmental Concerns	Interview Comments
Accidents/Spills	Unknown
Previous Use of Site	Residential
Adjacent Properties	Residential
Fuel Handling/Storage	None
Maintenance/Operational Areas	None
Hazardous Materials Storage	None
Salt Storage	None
Fuel Storage Tanks	None
Odours	None
Potable Water	Municipal water
Septic and Wastewater Discharges	Municipal service
Pesticides	Unknown
Mould	None
Heating and Cooling Systems	Forced air throughout – gas furnace
Major Mechanical Equipment	Furnace and air conditioning
Waste Oils, Solvents, Batteries	None
PCBs	None
Asbestos	Unknown
Lead Paint	Unknown
ODS	None
Electromagnetic Radiation	None
UFFI	None
Mercury	None
Radon Gas	Not tested
Soil and Groundwater Conditions	Unknown
Wells	None
Waste Disposal and Recycling	Municipal pickup
Fill Material	None
Other	None

Note that statements made by those interviewed were not made categorically and are limited to personal knowledge of, and experience with, the subject property. The significance of environmental concerns that have been identified by other methods was not reduced based on the interview statements.

6.0 SITE RECONNAISSANCE

The objectives of the site reconnaissance were as follows:

- To identify potential environmental concerns associated with current and past uses of the Site;
- To identify Potentially Contaminating Activities (PCAs) on, in, or under the Site;
- To identify, as practical, current and past uses, activities, and PCAs in the vicinity of the Site; and
- To identify details of potential contaminant pathways on, in, or under the Site and potential environmental concerns and contaminants of potential concern.

McIntosh Perry had open and ready access to all exterior areas of the Site during the site visit.

6.1 General Requirements

McIntosh Perry conducted the Site reconnaissance on February 2, 2018 from approximately 09:45 am to 11:00 pm). Jordan Bowman of McIntosh Perry inspected all areas of the Site, and observed other properties in the Study Area from publically accessible locations.

6.1.1 *Qualifications of the Assessors*

Field assessment and reporting for this report was undertaken by Jordan Bowman, B.Sc. of McIntosh Perry. Jordan has successfully completed numerous Phase One and Two ESAs for various clients in Ontario. Senior review was carried out by Fraser Armstrong, P.Eng. Fraser is an Ontario licensed Professional Engineer and a Qualified Person (QP) under O.Reg. 153/04, as amended, and has completed numerous of Phase One and Two ESAs across Ontario.

McIntosh Perry is licensed to practice engineering and geoscience in the Province of Ontario. McIntosh Perry holds Certificates of Authorization with the Professional Engineers of Ontario (PEO) and the Association of Professional Geoscientists of Ontario (APGO) and is a full member of the Consulting Engineers of Ontario (CEO).

6.1.2 *Weather Conditions at Time of Inspection*

Weather conditions at the time of the Site visit were overcast and approximately -20 degrees Celsius, with no wind. The site was snow-covered at the time of the inspection.

6.1.3 *Property Occupancy/Use Status at Time of Inspection*

The Site was used for residential purposes at the time of inspection. The residence was occupied at the time of inspection with all power and heat active. Land use in the vicinity is shown on Figure 4.

6.1.4 *Site Photographs*

Photographs of the Site are included in Appendix F. A brief description is included with each photograph, including location and orientation where applicable.

6.2 Description of Investigations

The Phase One component of the current investigation is a preliminary environmental screening that aims to provide a qualitative assessment of the environmental condition of the Site based on a review of available information pertaining to the Site, observations made during a Site visit, and information from interviews with people who have knowledge of the Site and its history.

The Phase One portion of the current investigation includes the following components:

- A review of available background information;
- Interviews with person(s) knowledgeable about the site;
- Site reconnaissance; and
- Freedom of information requests (Ministry of the Environment and Climate Change (MOECC) and the Technical Standards and Safety Authority (TSSA)).

6.2.1 Phase One Property

The Site is currently occupied and used for residential purposes. The Site consists of a single-family residential building, with a detached garage. The Site is zoned as Residential Fourth Density, per section 161-162 the City of Ottawa Zoning By-law.

6.2.2 Phase One Study Area

The Study Area consists of the Site and all properties within 250 m of the Site. The Study Area primarily consists of residential dwellings, low density commercial developments, and portions of the Sandy Hill community center.

6.3 Specific Observations at the Phase One Property

6.3.1 Structures and Other Improvements

On-site structures consist of one residential single family home with a detached garage located behind (southeast of) the residence.

6.3.2 Below Ground Structures

No below ground structures were observed at the Site.

6.3.3 Storage Tanks

No storage tanks were observed at the Site.

6.3.4 Hazardous Materials

Some exterior and interior areas of the Site may have been finished with lead paint. It is further possible that dry wall, insulation, or other construction material in the house contains asbestos. No specific concerns regarding hazardous materials were identified during the Site visit.

6.3.5 Potable and Non-Potable Water Sources

No on-site sources of water (wells or otherwise) were observed at the Site. The property is municipally serviced.

6.3.6 Underground Service Trenches

Service trenches for water, sewer, and/or telephone services are presumed to be present at the Site. No specific concerns regarding service trenches were identified during the Site visit.

6.3.7 Exit and Entry Points

All exit and entry points to the Site were inspected. No concerns were identified.

6.3.8 Existing and Former Heating Systems

The house is heated by a natural gas-fired furnace.

6.3.9 Cooling Systems

The house is cooled by a central air conditioning unit.

6.3.10 Drains, Pits, and Sumps

A floor drain was observed in a basement bathroom. No pits or sumps were observed at the Site.

6.3.11 Unidentified Substances

No unidentified substances were observed at the Site.

6.3.12 Stains and/or Corrosion Near Drains, Pits, and Sumps

No stains and/or corrosion was observed at the Site, however exterior areas that were inspected were snow-covered.

6.3.13 Well Details

No wells were observed at the Site.

6.3.14 Details of Sewage Works

The Site is municipally serviced.

6.3.15 Ground Surface Details

Ground surface details could not be observed due to snow cover.

6.3.16 Current and Former Railway Lines

The Site inspection did not indicate any presence of current or former rail lines at the Site or on adjacent properties.

6.3.17 Staining to Soil, Vegetation, or Pavement

Ground surface details could not be observed due to snow cover.

6.3.18 Stressed Vegetation

The presence of stressed vegetation could not be determined due to snow cover.

6.3.19 Fill and Debris

No evidence of fill placement was observed on-site; however, the ground surface was snow-covered. No significant debris was observed.

6.3.20 Mould

Mould-like substances were observed in the basement of the house, particularly in the bathroom and laundry areas. Intrusive efforts as well as analytical testing are required to confirm identification of the observed substances; note that intrusive efforts and analytical testing are outside the scope of this work.

6.3.21 Potentially Contaminating Activities (PCAs) and Areas of Potential Environmental Concern (APECs)

No PCAs were identified at the Site during the Site visit.

6.4 Surrounding Properties

Surrounding land use in the vicinity of the Site generally consisted of the following:

- North – residential and commercial (low to medium-density)
- East – residential and commercial (low to medium-density)
- South – residential (low to medium-density)
- West – residential and community

7.0 REVIEW AND EVALUATION OF INFORMATION

The following sections provide a review, evaluation, and an interpretation of the information from the records review, interviews, and Site reconnaissance. The city directory search is included in Appendix B – Additional Information.

7.1 Current and Past Uses of Phase One Property

The following table summarizes the land use history of the Site:

Table 8: Current and Past Uses of the Phase One ESA Property

Year	Name of Owner	Description of Property Use	Property Use	Other Observations from Aerial Photographs, Fire Insurance Plans, etc.
1910-1924	Not identified	Unknown	Unknown	First available air photo (1928), appears to show the Site as developed. However, city directories from 1910 to 1924 do not have listings for the Site address.
1928-2017	Not identified	Residential	Residential	First indication of Site development is taken from air photographs from 1928. From 1924 to 1928 there is no information regarding land use at the Site. There are minimal changes to the Site seen in air photos from 1928 to 2017. It is noted that the city directory entry for 1975 does not have a listing for the Site.

7.2 Potentially Contaminating Activities

No PCAs were identified at, on, or under the Site.

The following offsite PCAs were identified in the Phase One ESA Study Area:

- 308 Somerset Street East – Possible historical use including dry cleaning equipment and dye manufacturing, processing, and/or bulk storage.
- 306 Somerset Street East – Ontario Spill Record (outdoor oil tank ‘weeping’).
- 330 Templeton Street – Ontario Spill Record (underground fuel storage tank leak).
- 330 Templeton Street – O.Reg 347 waste generator (oil skimmings and sludges).

A possible historical PCA was identified through a city directory search for 308 Somerset Street East (currently Suds-n- Duds Laundry Shop); throughout the 1950s and 1960s this address was listed as either ‘Spic and Span Cleaners’ or ‘Blackwell Lyle Ltd. Cleaners and Dyers’. While there is no detailed information available on either establishment, cleaning operations may have included the use of dry cleaning solvents, and dye manufacturing, processing, and bulk storage are considered PCAs under O.Reg. 153/04, as amended. The historical land use at 308 Somerset Street East is not considered to represent an on-site APEC, due to both the age of the former businesses (last known operation is over 50 years ago) and their apparent cross-gradient to the Site.

Ontario Spill Records were identified through EcoLog ERIS searches at 306 and 330 Templeton Street. Both of these records appear to be for relatively small leaks, and environmental impacts are listed as ‘not anticipated’. Given their age and location relative to the Site, they are not considered to represent on-site APECs.

The above-noted PCAs are illustrated on Figure 6.

7.3 Areas of Potential Environmental Concern (APEC)

No APECs were identified at, on, or under the Site.

7.4 Phase One Conceptual Site Model

The Phase One Conceptual Site Model is based on information presented in the following Figures:

- Figure 2 shows onsite structures and those on properties immediately surrounding the Site.
- Figure 3 shows all other buildings and structures in the Phase One ESA Study Area.
- Figure 5 shows drainage features in the local area. There are no significant water bodies in the Phase One ESA study area.
- Figure 3 shows the names of all roads in the Phase One ESA Study Area.
- Figure 4 shows land use of properties adjacent to the Site.
- Figure 6 shows areas where Potentially Contaminating Activities (PCAs) have occurred.

There are no areas of natural significance in the Phase One ESA Study Area.

The potential for underground utilities to affect contaminant distribution and transport is considered to be minimal.

Available topographic, surface drainage and hydrogeological information suggests that the direction of shallow groundwater flow is to the east.

8.0 CONCLUSIONS

No PCAs or APECs were identified at, on, or under the Site.

The following offsite PCAs were identified in the Phase One ESA Study Area:

- 308 Somerset Street East – Possible historical use including dry cleaning equipment and dye manufacturing, processing, and/or bulk storage.
- 306 Somerset Street East – Ontario Spill Record (outdoor oil tank ‘weeping’).
- 330 Templeton Street – Ontario Spill Record (underground fuel storage tank leak).
- 330 Templeton Street – O.Reg 347 waste generator (oil skimmings and sludges).

Due to on-site observations, there is the potential for hazardous materials, including lead and asbestos-containing construction materials, to be present at the Site. It is recommended that a DSS be completed prior to demolition or work within the dwelling.

8.1 Is a Phase 2 ESA Required?

Based on the absence of on-site APECs, a Phase 2 ESA is not deemed to be necessary at this time.

9.0 LIMITATIONS

This report has been prepared, and the work referred to in this report has been undertaken by, McIntosh Perry Consulting Engineers Ltd. for TC United (TCU). It is intended for the sole and exclusive use of TCU. The report may not be relied upon by any other person or entity without the express written consent of McIntosh Perry Consulting Engineers Ltd. (in the form of a Reliance Letter).

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Some of the information presented in this report was provided through maps, air photographs, and environmental reports. While attempts were made, whenever possible, to obtain a minimum of two confirmatory sources of information, McIntosh Perry Consulting Engineers Ltd., has, in certain instances, been required to assume that the information provided is accurate.

The conclusions presented represent the best professional judgment of the assessor based on current environmental standards and on the site conditions observed during the site inspection on February 2, 2018. It is also noted that only the common areas of the residences and machine rooms were inspected due to occupancy. External areas of this property were observed from the yard of 296 Somerset Street East and other publically accessible locations. Snow cover was abundant in the area which can conceal possible observations and McIntosh Perry Consulting Engineers Ltd is not responsible for areas of environmental concern obscured by snow cover. Due to the nature of the investigation and the limited data available, the assessor cannot warrant against undiscovered environmental liabilities.

Should additional information become available, McIntosh Perry Consulting Engineers Ltd. requests that this information be brought to our attention so that we may re-assess the conclusions presented herein.

10.0 CLOSURE

We trust that this information is satisfactory for your present requirements. Should you have any questions or require additional information, please do not hesitate to contact the undersigned.

Respectfully submitted,

McIntosh Perry Consulting Engineers Ltd.



Jordan Bowman, B.Sc.
Environmental Scientist



Fraser Armstrong, P. Eng.
Geo-Environmental Engineer



11.0 REFERENCES

Canadian Standards Association (CSA), Z768-01: Phase I Environmental Site Assessment, CSA International, Toronto, 2001 (Updated 2003, Reaffirmed 2016).

EcoLog ERIS, 2018. Site-Specific Search Report Results.

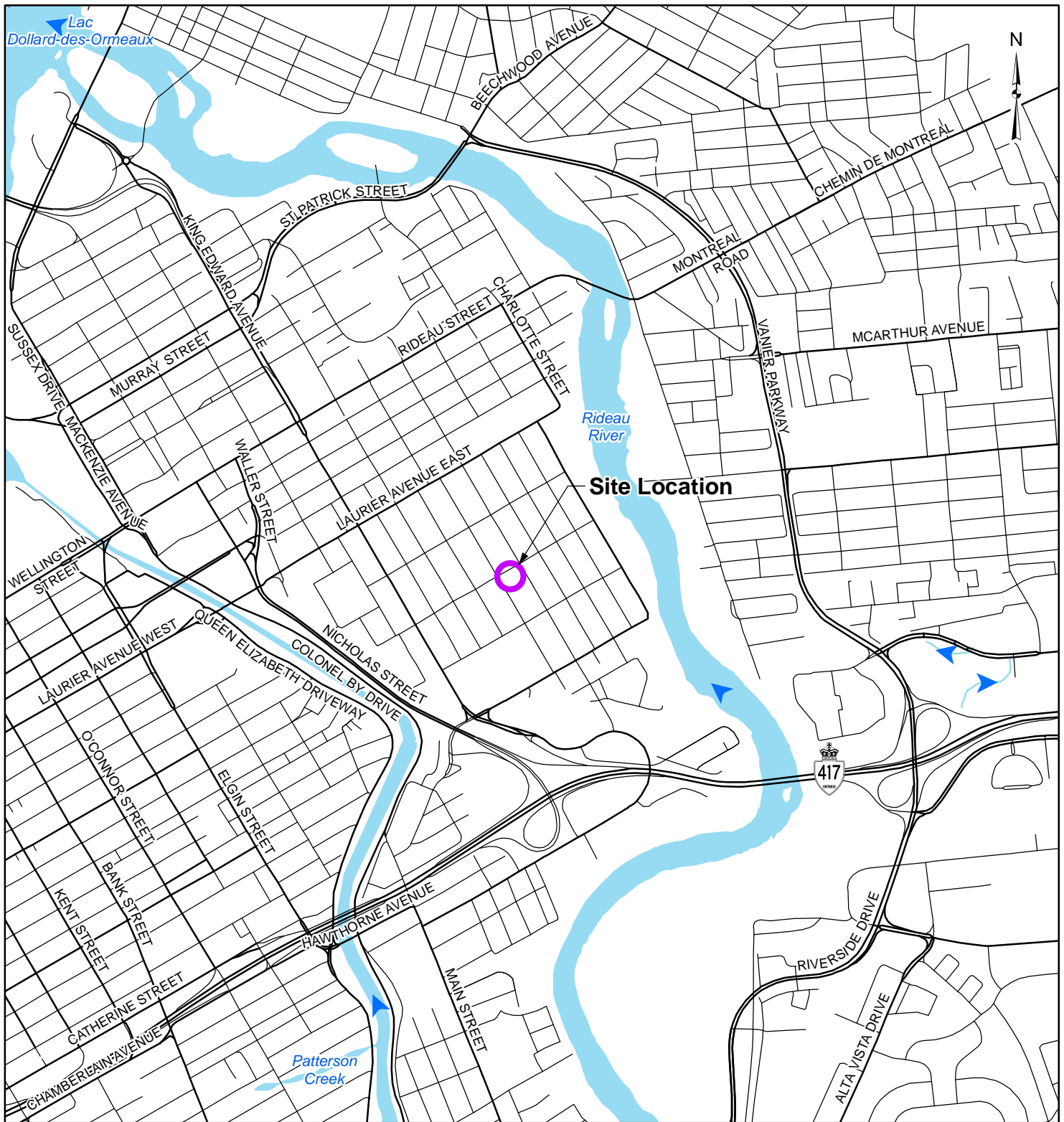
Natural Resources Canada (NRCAN), 2011. Geobase online mapping tool: Hydro Network GIS Data accessed through <<http://geobase.ca/geobase/en/viewer.jsp?group=nhn>>.

Ontario Geologic Survey (OGS), 2017 GIS Data for bedrock and surficial geology stratigraphy.

Ontario Ministry of Environment and Climate Change (MOECC), Ontario Regulation (O.Reg.) 153/04; Records of Site Condition – Part XV.1 of the Act (i.e. The Environmental Protection Act), as amended.

Ontario Geological Survey (OGS), 2017 – Google EarthTM (website: http://www.mndmf.gov.on.ca/mines/ogs_earth_e.asp).

FIGURES



LEGEND

- Site Location
- Watercourse
- Local Road
- Waterbody
- Major Road

REFERENCE

GIS data provided by the Ontario Ministry of Natural Resources and Forestry, 2018.

CLIENT:		TC UNITED	
PROJECT:		PHASE ONE ESA 296 SOMERSET ST. E	
TITLE:		SITE LOCATION	
McINTOSH PERRY <small>115 Walgreen Road, RR3, Carp, ON K0A1L0 Tel: 613-836-2184 Fax: 613-836-3742 www.mcintoshperry.com</small>		PROJECT NO: CP-18-0041	FIGURE:
		Date	Jan., 31, 2018
		GIS	JD
		Checked By	JB
		1	



LEGEND

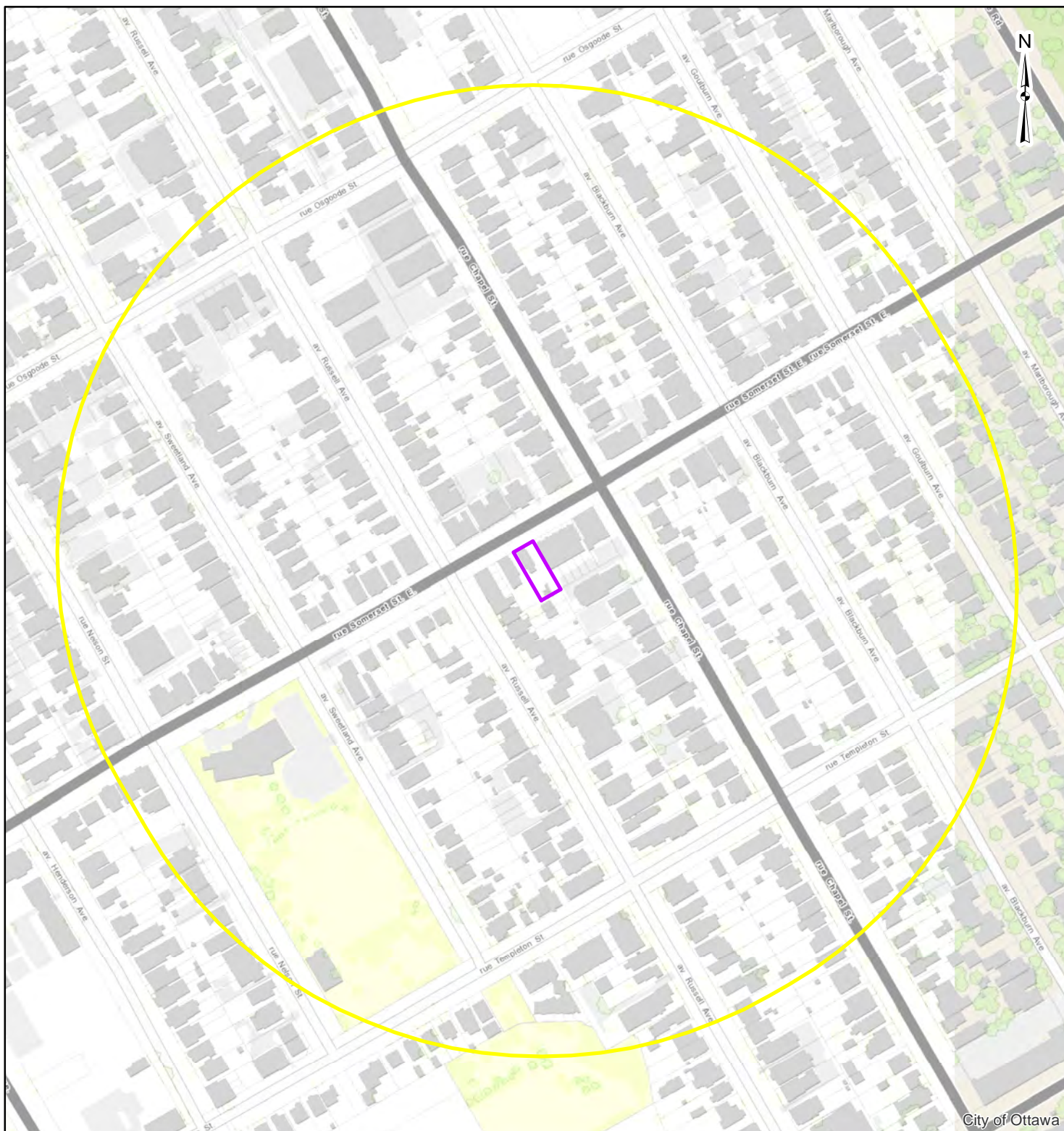
Approximate Site Boundary

REFERENCE

GIS data provided by the Ontario Ministry of Natural Resources and Forestry, 2018.
Imagery provided by the City of Ottawa, 2015.



CLIENT:		TC UNITED	
PROJECT:		PHASE ONE ESA 296 SOMERSET ST. E	
TITLE:		SITE LAYOUT	
McINTOSH PERRY <small>115 Walgreen Road, RR3, Carp, ON K0A1L0 Tel: 613-836-2184 Fax: 613-836-3742 www.mcintoshperry.com</small>		PROJECT NO:CP-18-0041	FIGURE:
		Date	Jan., 31, 2018
		GIS	JD
		Checked By	JB
			2



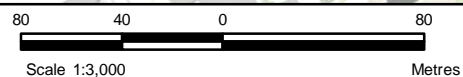
City of Ottawa

LEGEND

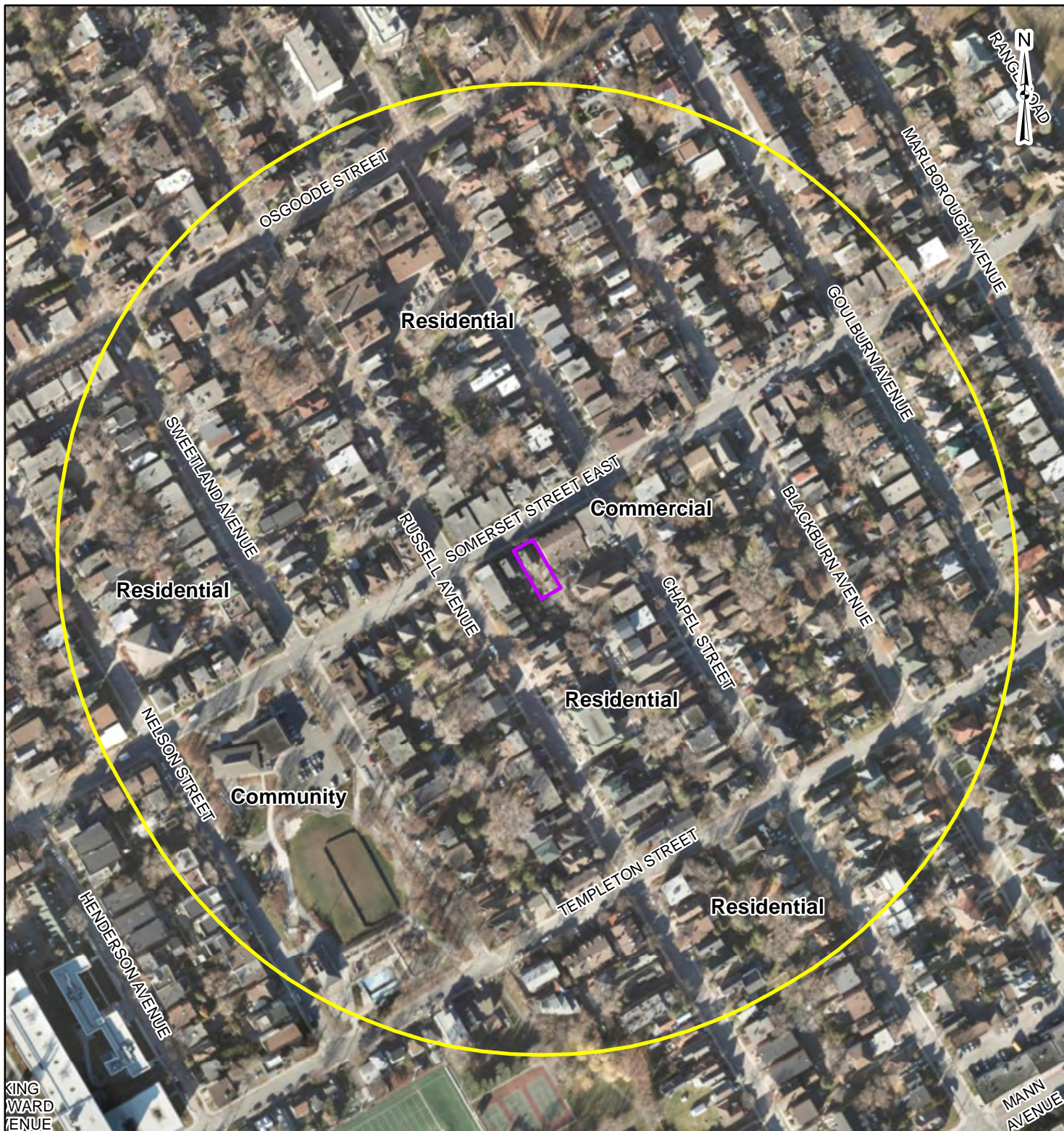
- Approximate Site Boundary
- 250m Buffer

REFERENCE

GIS data provided by the Ontario Ministry of Natural Resources and Forestry, 2018.
Basemap provided by the City of Ottawa, 2017.



CLIENT:		TC UNITED	
PROJECT:		PHASE ONE ESA 296 SOMERSET ST. E	
TITLE:		STUDY AREA	
McINTOSH PERRY <small>115 Walgreen Road, RR3, Carp, ON K0A1L0 Tel: 613-836-2184 Fax: 613-836-3742 www.mcintoshperry.com</small>		PROJECT NO: CP-18-0041	FIGURE:
		Date	Jan., 31, 2018
		GIS	JD
		Checked By	JB
		3	

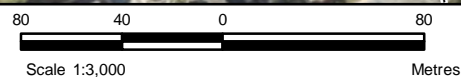


LEGEND

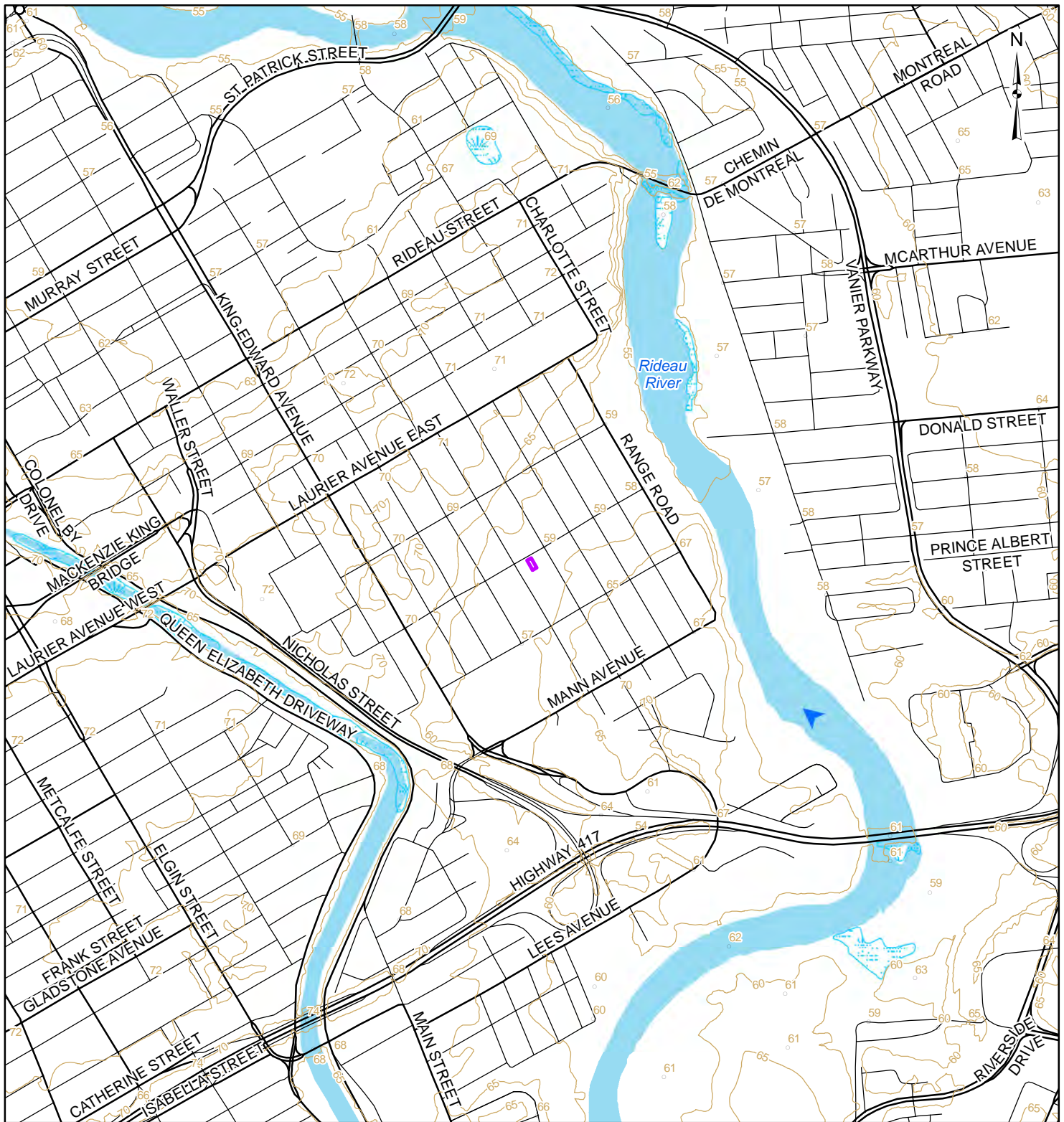
- Approximate Site Boundary
- 250m Buffer

REFERENCE

GIS data provided by the Ontario Ministry of Natural Resources and Forestry, 2018.
Imagery provided by the City of Ottawa, 2015.



CLIENT:		TC UNITED	
PROJECT:		PHASE ONE ESA 296 SOMERSET ST. E	
TITLE:		SURROUNDING LAND USE	
McINTOSH PERRY <small>115 Walgreen Road, RR3, Carp, ON K0A1L0 Tel: 613-836-2184 Fax: 613-836-3742 www.mcintoshperry.com</small>		PROJECT NO: CP-18-0041	FIGURE:
		Date	Jan., 31, 2018
		GIS	JD
		Checked By	JB
		4	

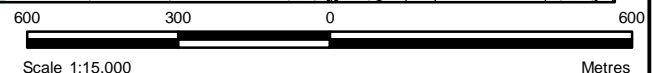


LEGEND

- Site Boundary
- Watercourse
- Spot Height (masl)
- Waterbody
- Contour (masl)
- Unevaluated Wetland
- Local Road
- Major Road

REFERENCE

GIS data provided by the Ontario Ministry of Natural Resources and Forestry, 2018.



Scale 1:15,000

Metres

CLIENT:

TC UNITED

PROJECT:

PHASE ONE ESA
296 SOMERSET ST. E

TITLE:

DRAINAGE AND TOPOGRAPHY

McINTOSH PERRY

115 Walgreen Road, RR3, Carp, ON K0A1L0
Tel: 613-836-2184 Fax: 613-836-3742
www.mcintoshperry.com

PROJECT NO: CP-18-0041

FIGURE:

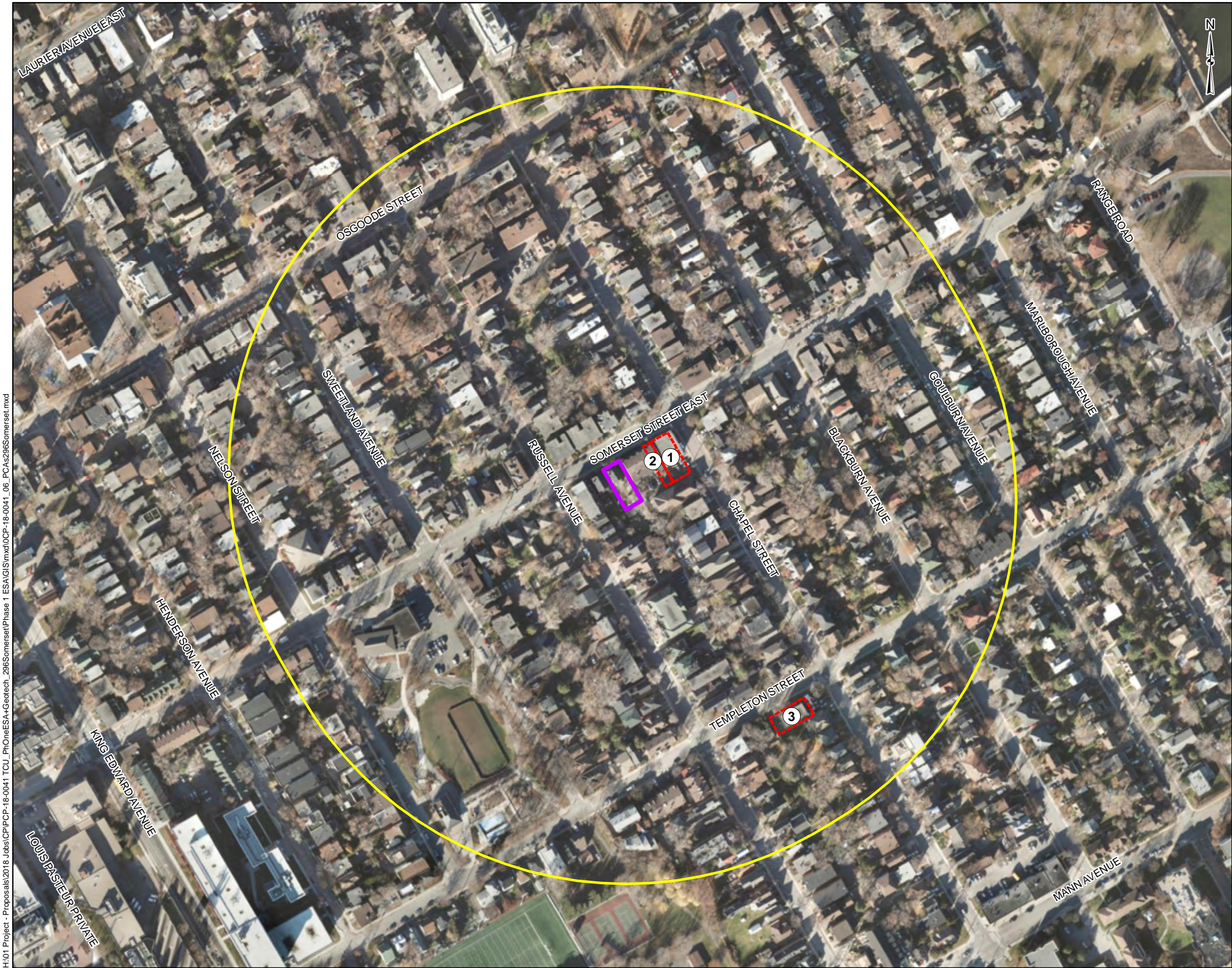
Date Jan., 31, 2018

GIS JD

Checked By JB

5

H:\01 Project - Proposals\2018 Jobs\CP\PCP-18-0041 TCU_PhOne\ESA+Geotech_296Somerset\Phase 1 ESA\GIS\mxd\OCP-18-0041_06_PCAs296Somerset.mxd



LEGEND

Approximate Site Boundary

250m Buffer

PCA

308 Somerset St. East

PCA

1

- Possible historical use including dry cleaning equipment and dye manufacturing, processing, and/or bulk storage

306 Somerset St. E

PCA

2

- Ontario Spill Record (outdoor oil tank 'weeping')

330 Templeton St.

PCAs

3

- Ontario Spill Record (underground fuel storage tank leak)
- O. Reg 347 Waste Generator (oil skimmings and sludges)

REFERENCE

GIS data provided by the Ontario Ministry of Natural Resources and Forestry, 2018.

03060120

Scale 1:2,500Metres

CLIENT:	TC UNITED	
PROJECT:	PHASE ONE ESA 296 SOMERSET ST. E	
TITLE:	POTENTIALLY CONTAMINATING ACTIVITIES	
<div><div>McINTOSH PERRY</div><div>115 Walgreen Road, RR3, Carp, ON K0A1L0 Tel: 613-836-2184 Fax: 613-836-3742 www.mcintoshperry.com</div></div>	PROJECT NO: CP-18-0041	
	Date	Feb., 09, 2018
	GIS	JD
	Checked By	JB
FIGURE:		6

APPENDIX A

EcoLog ERIS Report



DATABASE REPORT

Project Property: 296 Somerset St E
296 Somerset St E
Ottawa ON
18-0041

Project No:

Report Type: Standard Report

Order No: 20180131095

Requested by: McIntosh Perry Consulting Engineers

Date Completed: February 6, 2018

**Environmental Risk
Information Services**
A division of Glacier Media Inc.
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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.....	9
Map.....	13
Aerial.....	14
Topographic Map.....	15
Detail Report.....	16
Unplottable Summary.....	35
Unplottable Report.....	36
Appendix: Database Descriptions.....	41
Definitions.....	49

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Executive Summary

Property Information:

Project Property: 296 Somerset St E
296 Somerset St E Ottawa ON

Project No: 18-0041

Coordinates:

Latitude: 45.423727
Longitude: -75.675775
UTM Northing: 5,030,244.98
UTM Easting: 447,132.66
UTM Zone: UTM Zone 18T

Elevation: 192 FT
58.49 M

Order Information:

Order No: 20180131095
Date Requested: January 31, 2018
Requested by: McIntosh Perry Consulting Engineers
Report Type: Standard Report

Historical/Products:

City Directory Search Subject Site plus 5 Adjacent Properties

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Within 0.25 km	Total
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
AUWR	<i>Automobile Wrecking & Supplies</i>	Y	0	0	0
BORE	<i>Borehole</i>	Y	0	17	17
CA	<i>Certificates of Approval</i>	Y	0	8	8
CFOT	<i>Commercial Fuel Oil Tanks</i>	Y	0	0	0
CHEM	<i>Chemical Register</i>	Y	0	0	0
CNG	<i>Compressed Natural Gas Stations</i>	Y	0	0	0
COAL	<i>Inventory of Coal Gasification Plants and Coal Tar Sites</i>	Y	0	0	0
CONV	<i>Compliance and Convictions</i>	Y	0	0	0
CPU	<i>Certificates of Property Use</i>	Y	0	0	0
DRL	<i>Drill Hole Database</i>	Y	0	0	0
EASR	<i>Environmental Activity and Sector Registry</i>	Y	0	0	0
EBR	<i>Environmental Registry</i>	Y	0	0	0
ECA	<i>Environmental Compliance Approval</i>	Y	0	1	1
EEM	<i>Environmental Effects Monitoring</i>	Y	0	0	0
EHS	<i>ERIS Historical Searches</i>	Y	0	8	8
EIIS	<i>Environmental Issues Inventory System</i>	Y	0	0	0
EMHE	<i>Emergency Management Historical Event</i>	Y	0	0	0
EXP	<i>List of TSSA Expired 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
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	1	1
GHG	<i>Greenhouse Gas Emissions from Large Facilities</i>	Y	0	0	0
HINC	<i>TSSA Historic Incidents</i>	Y	0	1	1
IAFT	<i>Indian & Northern Affairs Fuel Tanks</i>	Y	0	0	0
INC	<i>TSSA Incidents</i>	Y	0	0	0
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

Database	Name	Searched	Project Property	Within 0.25 km	Total
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
NEBW	<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	0	0
OGW	<i>Oil and Gas Wells</i>	Y	0	0	0
OOGW	<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>TSSA Pipeline Incidents</i>	Y	0	1	1
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	0	0
SPL	<i>Ontario Spills</i>	Y	0	2	2
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>TSSA 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	1	1
		Total:	0	40	40

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	CA	R.M. OF OTTAWA-CARLETON	RUSSELL AVE/SOMERSET ST.E. OTTAWA CITY ON	W/43.6	-0.61	16
1	CA	OTTAWA CITY	RUSSELL AVE/SOMERSET ST.E. OTTAWA CITY ON	W/43.6	-0.61	16
2	BORE		ON	W/54.4	-0.34	16
3	EHS		287 Somerset St E Ottawa ON K1N6V7	W/64.9	-0.34	17
4	SPL		316 Somerset Avenue, East Ottawa ON	ENE/91.4	0.88	17
5	CA	FERNANDO MARTINS	165-169 RUSSELL AVENUE (SWM) OTTAWA CITY ON K1N 7X3	SSE/100.8	1.39	18
6	PINC		104 BLACKBURN AVE, OTTAWA ON	ENE/113.9	2.36	18
7	EHS		322 Somerset St E Ottawa ON K1N6W3	ENE/122.0	1.08	18
8	EHS		322 Somerset street e ottawa ON K1N 6W3	ENE/124.1	0.75	18
9	BORE		ON	WSW/136.7	0.89	19
10	BORE		ON	NE/137.7	-0.61	19
11	BORE		ON	SW/137.8	-0.61	20
12	BORE		ON	NE/147.0	-1.42	20
13	BORE		ON	SSW/153.3	-0.61	21
14	BORE		ON	NNE/161.3	0.94	21
15	EHS		323 Somerset St E Ottawa ON K1N6W4	NE/173.8	-1.84	22
16	BORE		ON	NNE/178.3	1.22	22
17	EHS		250 Somerset Street East Ottawa ON K1N 6V6	WSW/181.2	2.39	23
18	BORE		ON	SSW/184.3	0.08	23
19	CA	City of Ottawa	250 Somerset St E Ottawa ON K1N 6V6	SW/189.3	-0.07	23
19	HINC		250 SOMERSET STREET EAST OTTAWA ON K1N 6V6	SW/189.3	-0.07	24
20	ECA	City of Ottawa	250 Somerset St E Ottawa ON K2G 6J8	SW/197.3	-0.61	24
21	GEN	MANION PLUMBING & HEATING	330 TEMPLETON OTTAWA ON K1N 6X6	SE/198.7	7.44	24

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>21</u>	SPL	S.21	330 Templeton St. Ottawa ON K1N 6X6	SE/198.7	7.44	<u>25</u>
<u>22</u>	BORE		ON	NE/205.5	-1.00	<u>25</u>
<u>23</u>	BORE		ON	N/208.2	3.66	<u>26</u>
<u>24</u>	BORE		ON	ENE/210.0	1.47	<u>26</u>
<u>25</u>	BORE		ON	NE/211.6	-1.00	<u>27</u>
<u>26</u>	BORE		ON	S/216.5	0.70	<u>27</u>
<u>27</u>	EHS		421 Nelson St Ottawa ON K1N7S6	W/223.6	11.39	<u>28</u>
<u>28</u>	CA	LISGAR SQUARE DEVELOPMENTS INC.	88-90 TEMPLETON AVENUE OTTAWA CITY ON K1N 6X3	S/225.7	1.58	<u>2</u>
<u>28</u>	CA	LISGAR SQUARE DEVELOPMENTS INC.	88-90 TEMPLETON ST. (SWM) OTTAWA CITY ON K1N 6X3	S/225.7	1.58	<u>28</u>
<u>28</u>	CA	LISGAR SQUARE DEVELOPMENTS INC.	88-90 TEMPLETON ST. (SWM) OTTAWA CITY ON K1N 6X3	S/225.7	1.58	<u>28</u>
<u>29</u>	CA	R.M. OF OTTAWA-CARLETON	SOMERSET ST./NELSON ST. OTTAWA CITY ON	WSW/228.2	7.76	<u>29</u>
<u>30</u>	BORE		ON	E/232.6	3.34	<u>29</u>
<u>31</u>	BORE		ON	NNE/233.3	1.08	<u>30</u>
<u>32</u>	BORE		ON	N/238.0	6.25	<u>30</u>
<u>33</u>	EHS		45 Blackburn Ave Ottawa ON K1N8A4	N/240.0	4.21	<u>31</u>
<u>34</u>	WWIS		OTTAWA ON	S/241.2	1.55	<u>31</u>
<u>35</u>	EHS		411 Nelson St Ottawa ON K1N7S6	W/241.8	11.39	<u>34</u>

Executive Summary: Summary By Data Source

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2014 has found that there are 17 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	WSW	136.74	<u>9</u>
	ON	NNE	161.30	<u>14</u>
	ON	NNE	178.32	<u>16</u>
	ON	SSW	184.27	<u>18</u>
	ON	N	208.25	<u>23</u>
	ON	ENE	209.98	<u>24</u>
	ON	S	216.52	<u>26</u>
	ON	E	232.55	<u>30</u>
	ON	NNE	233.32	<u>31</u>
	ON	N	238.04	<u>32</u>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	ON	W	54.42	<u>2</u>
	ON	NE	137.66	<u>10</u>
	ON	SW	137.83	<u>11</u>
	ON	NE	146.99	<u>12</u>
	ON	SSW	153.33	<u>13</u>
	ON	NE	205.47	<u>22</u>
	ON	NE	211.55	<u>25</u>

CA - Certificates of Approval

A search of the CA database, dated 1985-Oct 30, 2011* has found that there are 8 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>
FERNANDO MARTINS	165-169 RUSSELL AVENUE (SWM) OTTAWA CITY ON K1N 7X3	SSE	100.81	<u>5</u>
LISGAR SQUARE DEVELOPMENTS INC.	88-90 TEMPLETON ST. (SWM) OTTAWA CITY ON K1N 6X3	S	225.70	<u>28</u>
LISGAR SQUARE DEVELOPMENTS INC.	88-90 TEMPLETON ST. (SWM) OTTAWA CITY ON K1N 6X3	S	225.70	<u>28</u>
LISGAR SQUARE DEVELOPMENTS INC.	88-90 TEMPLETON AVENUE OTTAWA CITY ON K1N 6X3	S	225.70	<u>28</u>
R.M. OF OTTAWA-CARLETON	SOMERSET ST./NELSON ST. OTTAWA CITY ON	WSW	228.19	<u>29</u>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
R.M. OF OTTAWA-CARLETON	RUSSELL AVE/SOMERSET ST.E. OTTAWA CITY ON	W	43.64	<u>1</u>
OTTAWA CITY	RUSSELL AVE/SOMERSET ST.E. OTTAWA CITY ON	W	43.64	<u>1</u>
City of Ottawa	250 Somerset St E Ottawa ON K1N 6V6	SW	189.27	<u>19</u>

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011-Oct 2017 has found that there are 1 ECA 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>
City of Ottawa	250 Somerset St E Ottawa ON K2G 6J8	SW	197.34	<u>20</u>

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Aug 2016 has found that there are 8 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>
	322 Somerset St E Ottawa ON K1N6W3	ENE	121.97	<u>7</u>
	322 Somerset street e ottawa ON K1N 6W3	ENE	124.09	<u>8</u>
	250 Somerset Street East Ottawa ON K1N 6V6	WSW	181.23	<u>17</u>
	421 Nelson St Ottawa ON K1N7S6	W	223.56	<u>27</u>

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	45 Blackburn Ave Ottawa ON K1N8A4	N	240.00	33
	411 Nelson St Ottawa ON K1N7S6	W	241.77	35

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	287 Somerset St E Ottawa ON K1N6V7	W	64.90	3
	323 Somerset St E Ottawa ON K1N6W4	NE	173.80	15

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Jun 2017 has found that there are 1 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>
MANION PLUMBING & HEATING	330 TEMPLETON OTTAWA ON K1N 6X6	SE	198.67	21

HINC - TSSA Historic Incidents

A search of the HINC database, dated 2006-June 2009* has found that there are 1 HINC site(s) within approximately 0.25 kilometers of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	250 SOMERSET STREET EAST OTTAWA ON K1N 6V6	SW	189.27	19

PINC - TSSA Pipeline Incidents

A search of the PINC database, dated Feb 28, 2017 has found that there are 1 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>
	104 BLACKBURN AVE, OTTAWA ON	ENE	113.92	6

SPL - Ontario Spills

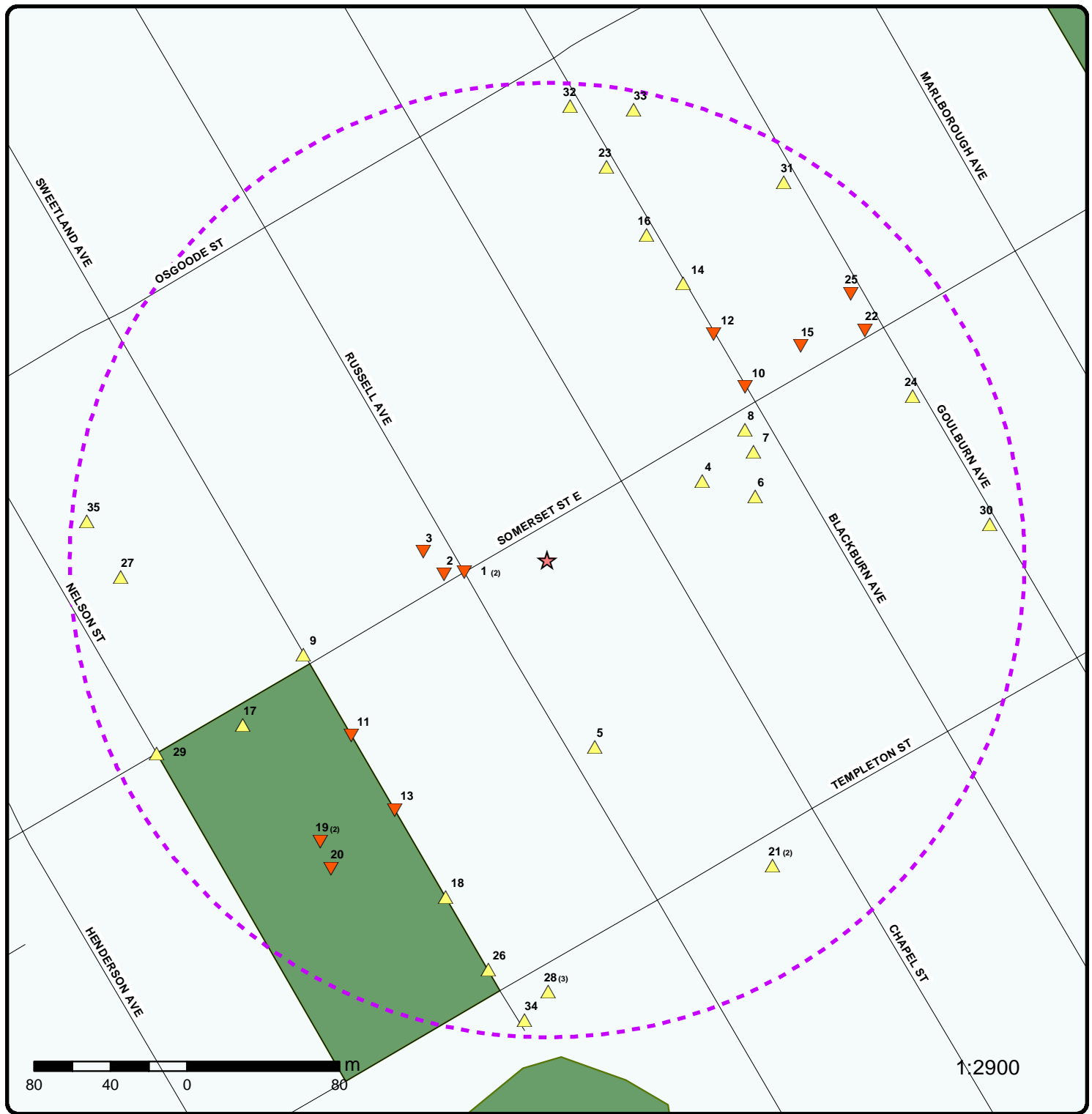
A search of the SPL database, dated 1988-Sep 2017 has found that there are 2 SPL site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	316 Somerset Avenue, East Ottawa ON	ENE	91.35	4
S.21	330 Templeton St. Ottawa ON K1N 6X6	SE	198.67	21

WWIS - Water Well Information System

A search of the WWIS database, dated Mar 31, 2017 has found that there are 1 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>
	OTTAWA ON	S	241.21	<u>34</u>



Map : 0.25 Kilometer Radius

Order No: 20180131095

Address: 296 Somerset St E, Ottawa, ON

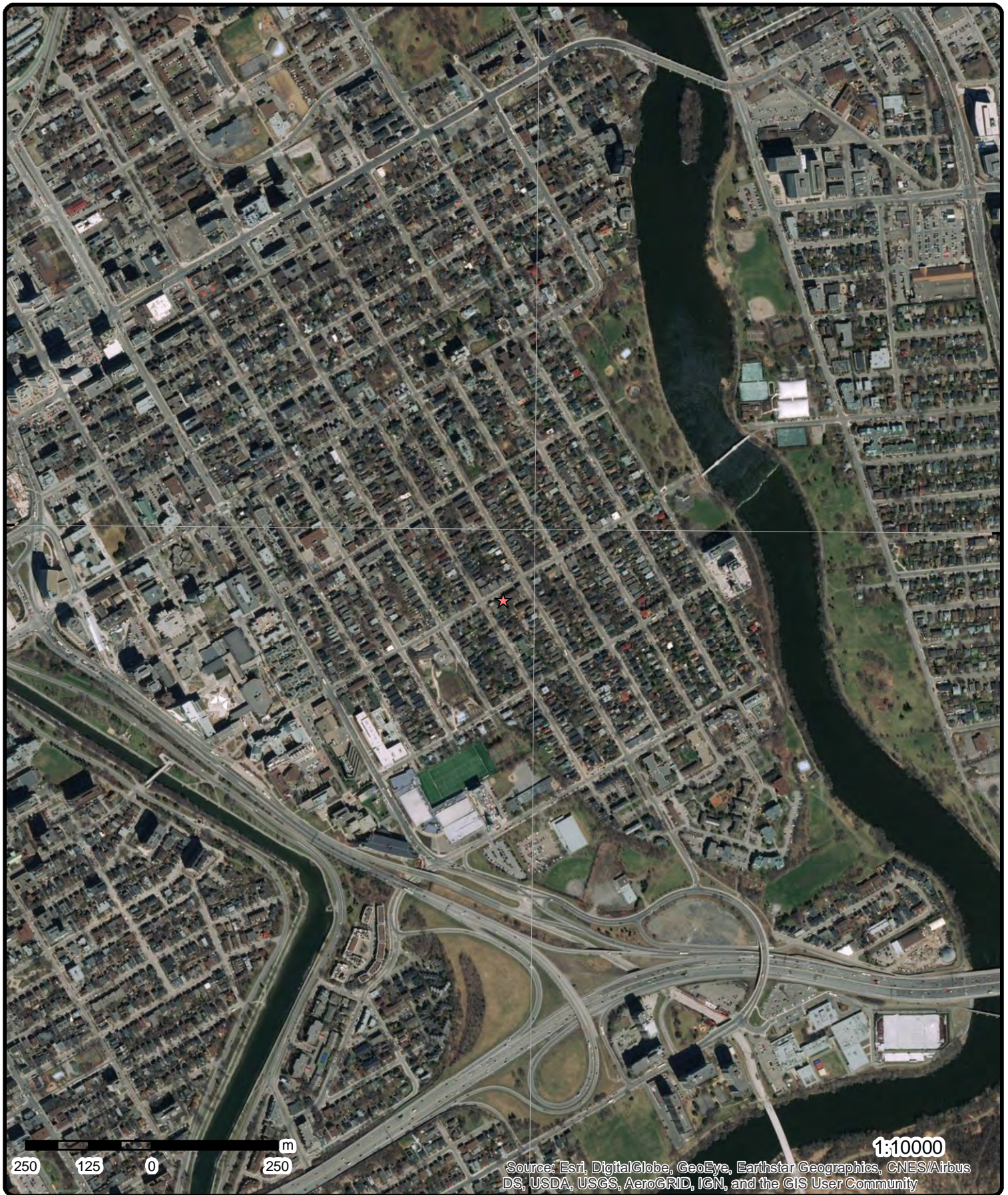


	Project Property		Expressway		Industrial and Resource - Regions		National Park
	Buffer Outline		Principal Highway		Main Line		Provincial or Territorial Park
	Eris Sites with Higher Elevation		Secondary Highway		Sidetrack		Other Park
	Eris Sites with Same Elevation		Major Road		Transit Line		Golf Course 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				

75°40'30"W

45°25'30"N

45°25'30"N



Aerial (2016)

Address: 296 Somerset St E, Ottawa, ON

Source: ESRI World Imagery

Order No: 20180131095

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES



© ERIS Information Limited Partnership

75°40'30"W

45°25'30"N

45°25'30"N



Topographic Map

Address: 296 Somerset St E, Ottawa, ON

Source: ESRI World Topographic Map

Order No: 20180131095



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Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
1	1 of 2	W/43.6	57.9	R.M. OF OTTAWA-CARLETON RUSSELL AVE/SOMERSET ST.E. OTTAWA CITY ON	CA
Certificate #: 7-0260-97- Application Year: 97 Issue Date: 4/15/1997 Approval Type: Municipal water Status: Approved Application Type: Client Name:: Client Address:: Client City:: Client Postal Code:: Project Description:: Contaminants:: Emission Control::					
1	2 of 2	W/43.6	57.9	OTTAWA CITY RUSSELL AVE/SOMERSET ST.E. OTTAWA CITY ON	CA
Certificate #: 3-0345-97- Application Year: 97 Issue Date: 4/15/1997 Approval Type: Municipal sewage Status: Approved Application Type: Client Name:: Client Address:: Client City:: Client Postal Code:: Project Description:: Contaminants:: Emission Control::					
2	1 of 1	W/54.4	58.2	ON	BORE
Borehole ID: 806990 Use: Geotechnical/Geological Investigation Drill Method:: Hollow stem auger Easting:: 447078.73 Location Accuracy:: Elev. Reliability Note:: Total Depth m:: 46 Township:: Lot:: Completion Date:: 07-DEC-2000 Primary Water Use::					
Type: Borehole Status:: UTM Zone:: 18 Northing:: 5030237.5 Orig. Ground Elev m:: 57.4 DEM Ground Elev m:: 57.8 Primary Name:: BH 113 Concession:: Municipality: Static Water Level:: -999.9 Sec. Water Use::					

--Details--

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Stratum ID: Bottom Depth(m):	218591034 0.2			Top Depth(m): Stratum Desc:	0.0 Asphalt
Stratum ID: Bottom Depth(m):	218591035 0.6			Top Depth(m): Stratum Desc:	0.2 Fill-Misc
Stratum ID: Bottom Depth(m):	218591036 1.4			Top Depth(m): Stratum Desc:	0.6 Black Topsoil clay silt
Stratum ID: Bottom Depth(m):	218591037 3.9			Top Depth(m): Stratum Desc:	1.4 Bedrock BILLINGS FORMATION
Stratum ID: Bottom Depth(m):	218591038 9.9			Top Depth(m): Stratum Desc:	3.9 Bedrock LINDSAY FORMATION
Stratum ID: Bottom Depth(m):	218591039 18.4			Top Depth(m): Stratum Desc:	9.9 Bedrock
Stratum ID: Bottom Depth(m):	218591040 28.9			Top Depth(m): Stratum Desc:	18.4 Bedrock
Stratum ID: Bottom Depth(m):	218591041 35.4			Top Depth(m): Stratum Desc:	28.9 Bedrock VERULAM FORMATION
Stratum ID: Bottom Depth(m):	218591042 46.0			Top Depth(m): Stratum Desc:	35.4 Grey Bedrock Limestone
3	1 of 1	W/64.9	58.2	287 Somerset St E Ottawa ON K1N6V7	EHS
Postal Code: City: Address2: Address1: Provstate: Order No.: Addit. Info Ordered:: Report Date: Report Type: Search Radius (km):		K1N6V7 Ottawa 287 Somerset St E ON 20160216045 19-FEB-16 Custom Report .25			
4	1 of 1	ENE/91.4	59.4	316 Somerset Avenue, East Ottawa ON	SPL
Ref No: Contaminant Name: Contaminant Code: Contaminant Limit 1: Contam. Limit Freq 1: Contaminant UN No 1: Contaminant Qty: MOE Reported Dt: Health/Env Conseq: Incident Dt: Incident Cause: Incident Event: Incident Reason: Incident Summary:	2208-8N6RZ4 FURNACE OIL 13 10/31/2011 10/31/2011 TSSA/Resident-Outside Furnace Oil Tank Weeping			Site Address: Site Conc: Site Lot: Site County/District: Site Municipality: Site Postal Code: Sector Type: Source Type: Receiving Medium: Receiving Env: Environment Impact: Nature of Impact: SAC Action Class:	316 Somerset Avenue, East Ottawa Not Anticipated TSSA - Fuel Safety Branch

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
5	1 of 1	SSE/100.8	59.9	FERNANDO MARTINS 165-169 RUSSELL AVENUE (SWM) OTTAWA CITY ON K1N 7X3	CA
Certificate #: 3-0602-97- Application Year: 97 Issue Date: 7/2/1997 Approval Type: Municipal sewage Status: Approved Application Type: Client Name:: Client Address:: Client City:: Client Postal Code:: Project Description:: Contaminants:: Emission Control::					
6	1 of 1	ENE/113.9	60.9	104 BLACKBURN AVE, OTTAWA ON	PINC
Incident ID: Incident No: 1769412 Type: FS-Pipeline Incident Status Code: Pipeline Damage Reason Est Fuel Occurrence Tp: Fuel Type: Tank Status: RC Established Task No: 5969477 Spills Action Centre: Method Details: E-mail Fuel Category: Natural Gas Date of Occurrence: Occurrence Start Date: 2015/12/09 Operation Type: Pipeline Type: Regulator Type: Summary: 104 BLACKBURN AVE, OTTAWA - PIPELINE HIT - 1/2" Reported By: Chad Loveland - Enbridge Gas Affiliation: Occurrence Desc: Damage Reason: Excavation practices not sufficient Notes:					
Health Impact: Environment Impact: Property Damage: Yes Service Interrupt: Enforce Policy: Yes Public Relation: Pipeline System: Depth: Pipe Material: PSIG: Attribute Category: FS-Perform P-line Inc Invest Regualtor Location:					
7	1 of 1	ENE/122.0	59.6	322 Somerset St E Ottawa ON K1N6W3	EHS
Postal Code: K1N6W3 City: Ottawa Address2: Address1: 322 Somerset St E Provstate: ON Order No.: 20160427109 Addit. Info Ordered:: Title Searches; Topographic Maps; City Directory Report Date: 03-MAY-16 Report Type: Standard Select Report Search Radius (km): .25					
8	1 of 1	ENE/124.1	59.2	322 Somerset street e	EHS

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
ottawa ON K1N 6W3					
Postal Code:					
City:					
Address2:					
Address1:					
Provstate:					
Order No.:		20100216037			
Addit. Info Ordered::		Fire Insur. Maps and/or Site Plans; City Directory			
Report Date:		2/25/2010			
Report Type:		Standard Report			
Search Radius (km):		0.25			
9	1 of 1	WSW/136.7	59.4	ON	BORE
Borehole ID:		803759		Type:	Borehole
Use:		Geotechnical/Geological Investigation		Status::	
Drill Method::		Hollow stem auger		UTM Zone::	18
Easting::		447005.24		Northing::	5030195.38
Location Accuracy::				Orig. Ground Elev m::	-999.9
Elev. Reliability Note::				DEM Ground Elev m::	58.8
Total Depth m::		5		Primary Name::	BH 1
Township::				Concession::	
Lot::				Municipality:	
Completion Date::		27-JAN-1984		Static Water Level::	-999.9
Primary Water Use::				Sec. Water Use::	
--Details--					
Stratum ID:		218577829		Top Depth(m):	0.0
Bottom Depth(m):		0.1		Stratum Desc:	Asphalt
Stratum ID:		218577830		Top Depth(m):	0.1
Bottom Depth(m):		0.5		Stratum Desc:	Brown Silt - Sand With: Gr
Stratum ID:		218577831		Top Depth(m):	0.5
Bottom Depth(m):		1.1		Stratum Desc:	Dark Grey Fill-Misc sand silt With: Brk Frag W Org M W Constr Debris
Stratum ID:		218577833		Top Depth(m):	2.9
Bottom Depth(m):		3.4		Stratum Desc:	Grey Very Loose Till sand silt
Stratum ID:		218577834		Top Depth(m):	3.4
Bottom Depth(m):		5.0		Stratum Desc:	Dark Grey Limestone Eastview Formation
Stratum ID:		218577832		Top Depth(m):	1.1
Bottom Depth(m):		2.9		Stratum Desc:	Dark Brown Peat With: Si
10	1 of 1	NE/137.7	57.9	ON	BORE
Borehole ID:		803463		Type:	Borehole
Use:		Geotechnical/Geological Investigation		Status::	
Drill Method::		Hollow stem auger		UTM Zone::	18
Easting::		447236.38		Northing::	5030335.54
Location Accuracy::				Orig. Ground Elev m::	-999.9
Elev. Reliability Note::				DEM Ground Elev m::	58.1
Total Depth m::		3.2		Primary Name::	BH 11
Township::				Concession::	
Lot::				Municipality:	
Completion Date::		25-JAN-1984		Static Water Level::	-999.9

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Primary Water Use::				Sec. Water Use::	
--Details--					
Stratum ID:	218576561			Top Depth(m):	0.0
Bottom Depth(m):	0.1			Stratum Desc:	Asphalt
Stratum ID:	218576562			Top Depth(m):	0.1
Bottom Depth(m):	0.2			Stratum Desc:	Concrete
Stratum ID:	218576563			Top Depth(m):	0.2
Bottom Depth(m):	0.5			Stratum Desc:	Brown Silt - Sand With: Gr
Stratum ID:	218576564			Top Depth(m):	0.5
Bottom Depth(m):	0.7			Stratum Desc:	Dark Brown Till sand silt
Stratum ID:	218576565			Top Depth(m):	0.7
Bottom Depth(m):	1.5			Stratum Desc:	Dark Brown Shale Eastview Formation
Stratum ID:	218576566			Top Depth(m):	1.5
Bottom Depth(m):	3.2			Stratum Desc:	Dark Brown Shale

11	1 of 1	SW/137.8	57.9	ON	BORE
Borehole ID:	803762			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status::	
Drill Method::	Hollow stem auger			UTM Zone::	18
Easting::	447030.04			Northing::	5030152.92
Location Accuracy::				Orig. Ground Elev m::	-999.9
Elev. Reliability Note::				DEM Ground Elev m::	57.3
Total Depth m::	2			Primary Name::	BH 2
Township::				Concession::	
Lot::				Municipality:	
Completion Date::	27-JAN-1984			Static Water Level::	-999.9
Primary Water Use::				Sec. Water Use::	
--Details--					
Stratum ID:	218577844			Top Depth(m):	0.0
Bottom Depth(m):	0.1			Stratum Desc:	Asphalt
Stratum ID:	218577845			Top Depth(m):	0.1
Bottom Depth(m):	0.4			Stratum Desc:	Brown Silt - Sand With: Gr
Stratum ID:	218577846			Top Depth(m):	0.4
Bottom Depth(m):	0.6			Stratum Desc:	Cinder Ash
Stratum ID:	218577847			Top Depth(m):	0.6
Bottom Depth(m):	2.0			Stratum Desc:	Dark Brown Peat With: Si

12	1 of 1	NE/147.0	57.1	ON	BORE
Borehole ID:	803462			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status::	
Drill Method::	Hollow stem auger			UTM Zone::	18
Easting::	447219.87			Northing::	5030363.35
Location Accuracy::				Orig. Ground Elev m::	-999.9
Elev. Reliability Note::				DEM Ground Elev m::	58.3
Total Depth m::	1.5			Primary Name::	BH 10
Township::				Concession::	
Lot::				Municipality:	

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Completion Date::	25-JAN-1984			Static Water Level::	-999.9
Primary Water Use::				Sec. Water Use::	
--Details--					
Stratum ID:	218576556			Top Depth(m):	0.0
Bottom Depth(m):	0.1			Stratum Desc:	Asphalt
Stratum ID:	218576557			Top Depth(m):	0.1
Bottom Depth(m):	0.2			Stratum Desc:	Concrete
Stratum ID:	218576558			Top Depth(m):	0.2
Bottom Depth(m):	0.4			Stratum Desc:	Brown Silt - Sand With: Gr
Stratum ID:	218576559			Top Depth(m):	0.4
Bottom Depth(m):	0.6			Stratum Desc:	Dark Brown Till sand silt
Stratum ID:	218576560			Top Depth(m):	0.6
Bottom Depth(m):	1.5			Stratum Desc:	Dark Brown Shale Eastview Formation

13	1 of 1	SSW/153.3	57.9	ON	BORE
Borehole ID:	803764			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status::	
Drill Method::	Hollow stem auger			UTM Zone::	18
Easting::	447052.81			Northing::	5030114
Location Accuracy::				Orig. Ground Elev m::	-999.9
Elev. Reliability Note::				DEM Ground Elev m::	56.7
Total Depth m::	4.9			Primary Name::	BH 3
Township::				Concession::	
Lot::				Municipality:	
Completion Date::	27-JAN-1984			Static Water Level::	-999.9
Primary Water Use::				Sec. Water Use::	
--Details--					
Stratum ID:	218577851			Top Depth(m):	0.0
Bottom Depth(m):	0.1			Stratum Desc:	Asphalt
Stratum ID:	218577852			Top Depth(m):	0.1
Bottom Depth(m):	0.3			Stratum Desc:	Brown Sand - Gravel
Stratum ID:	218577853			Top Depth(m):	0.3
Bottom Depth(m):	0.8			Stratum Desc:	Grey-Brown Silt - Sand With: Gr
Stratum ID:	218577854			Top Depth(m):	0.8
Bottom Depth(m):	2.4			Stratum Desc:	Dark Brown Peat With: Si
Stratum ID:	218577855			Top Depth(m):	2.4
Bottom Depth(m):	4.9			Stratum Desc:	Dark Grey Limestone Eastview Formation

14	1 of 1	NNE/161.3	59.4	ON	BORE
Borehole ID:	803461			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status::	
Drill Method::	Hollow stem auger			UTM Zone::	18
Easting::	447203.93			Northing::	5030389.64
Location Accuracy::				Orig. Ground Elev m::	-999.9
Elev. Reliability Note::				DEM Ground Elev m::	58.9
Total Depth m::	3.3			Primary Name::	BH 9
Township::				Concession::	

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Lot:: Completion Date:: 25-JAN-1984 Primary Water Use::				Municipality: Static Water Level:: -999.9 Sec. Water Use::	
--Details--					
Stratum ID: 218576550				Top Depth(m): 0.0	
Bottom Depth(m): 0.1				Stratum Desc: Asphalt	
Stratum ID: 218576551				Top Depth(m): 0.1	
Bottom Depth(m): 0.3				Stratum Desc: Concrete	
Stratum ID: 218576552				Top Depth(m): 0.3	
Bottom Depth(m): 0.5				Stratum Desc: Brown Silt - Sand With: Gr	
Stratum ID: 218576553				Top Depth(m): 0.5	
Bottom Depth(m): 0.8				Stratum Desc: Dark Brown Till sand silt	
Stratum ID: 218576554				Top Depth(m): 0.8	
Bottom Depth(m): 1.5				Stratum Desc: Dark Brown Limestone Eastview Formation	
Stratum ID: 218576555				Top Depth(m): 1.5	
Bottom Depth(m): 3.3				Stratum Desc: Dark Brown Limestone Eastview Formation	

15	1 of 1	NE/173.8	56.7	323 Somerset St E Ottawa ON K1N6W4	EHS
Postal Code: City: Address2: Address1: Provstate: Order No.: 20131205003 Addit. Info Ordered:: Report Date: 11-DEC-13 Report Type: Custom Report Search Radius (km): .25					

16	1 of 1	NNE/178.3	59.7	ON	BORE
Borehole ID: 803459 Use: Geotechnical/Geological Investigation Drill Method:: Hollow stem auger Easting:: 447184.85 Location Accuracy:: Elev. Reliability Note:: Total Depth m:: 1.3 Township:: Lot:: Completion Date:: 25-JAN-1984 Primary Water Use::				Type: Borehole Status:: UTM Zone:: 18 Northing:: 5030415.49 Orig. Ground Elev m:: -999.9 DEM Ground Elev m:: 59.3 Primary Name:: BH 8 Concession:: Municipality: Static Water Level:: -999.9 Sec. Water Use::	
--Details--					
Stratum ID: 218576539				Top Depth(m): 0.0	
Bottom Depth(m): 0.1				Stratum Desc: Asphalt	
Stratum ID: 218576540				Top Depth(m): 0.1	
Bottom Depth(m): 0.3				Stratum Desc: Concrete	
Stratum ID: 218576541				Top Depth(m): 0.3	
Bottom Depth(m): 0.6				Stratum Desc: Brown Silt - Sand With: Gr	

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
<div> <div>Stratum ID: 218576542</div> <div>Bottom Depth(m): 1.3</div> </div> <div> <div>Top Depth(m): 0.6</div> <div>Stratum Desc: Dark Brown Till sand silt</div> </div>					
17	1 of 1	WSW/181.2	60.9	250 Somerset Street East Ottawa ON K1N 6V6	EHS
<div> <div>Postal Code:</div> <div>City:</div> <div>Address2:</div> <div>Address1:</div> <div>Provstate:</div> <div>Order No.: 20080327003</div> <div>Addit. Info Ordered:: Fire Insur. Maps And /or Site Plans</div> <div>Report Date: 4/4/2008</div> <div>Report Type: Complete Report</div> <div>Search Radius (km): 0.25</div> </div>					
18	1 of 1	SSW/184.3	58.6	ON	BORE
<div> <div>Borehole ID: 803767</div> <div>Use: Geotechnical/Geological Investigation</div> <div>Drill Method:: Hollow stem auger</div> <div>Easting:: 447079.61</div> <div>Location Accuracy::</div> <div>Elev. Reliability Note::</div> <div>Total Depth m:: 2</div> <div>Township::</div> <div>Lot::</div> <div>Completion Date:: 27-JAN-1984</div> <div>Primary Water Use::</div> </div> <div> <div>Type: Borehole</div> <div>Status::</div> <div>UTM Zone:: 18</div> <div>Northing:: 5030068.51</div> <div>Orig. Ground Elev m:: -999.9</div> <div>DEM Ground Elev m:: 56.9</div> <div>Primary Name:: BH 4</div> <div>Concession::</div> <div>Municipality:</div> <div>Static Water Level:: -999.9</div> <div>Sec. Water Use::</div> </div>					
<div>--Details--</div> <div> <div>Stratum ID: 218577864</div> <div>Bottom Depth(m): 0.1</div> </div> <div> <div>Top Depth(m): 0.0</div> <div>Stratum Desc: Asphalt</div> </div>					
<div> <div>Stratum ID: 218577865</div> <div>Bottom Depth(m): 0.4</div> </div> <div> <div>Top Depth(m): 0.1</div> <div>Stratum Desc: Brown Silt - Sand With: Gr</div> </div>					
<div> <div>Stratum ID: 218577866</div> <div>Bottom Depth(m): 0.6</div> </div> <div> <div>Top Depth(m): 0.4</div> <div>Stratum Desc: Cinder Ash</div> </div>					
<div> <div>Stratum ID: 218577867</div> <div>Bottom Depth(m): 1.7</div> </div> <div> <div>Top Depth(m): 0.6</div> <div>Stratum Desc: Dark Brown Peat With: Si</div> </div>					
<div> <div>Stratum ID: 218577868</div> <div>Bottom Depth(m): 2.0</div> </div> <div> <div>Top Depth(m): 1.7</div> <div>Stratum Desc: Bedrock</div> </div>					
19	1 of 2	SW/189.3	58.4	City of Ottawa 250 Somerset St E Ottawa ON K1N 6V6	CA
<div> <div>Certificate #: 6722-7BSL6V</div> <div>Application Year: 2008</div> <div>Issue Date: 3/25/2008</div> <div>Approval Type: Air</div> <div>Status: Approved</div> <div>Application Type:</div> <div>Client Name::</div> </div>					

24 erisinfo.com | Environmental Risk Information Services Order No: 20180131095

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Waste Code: 251 Waste Description: OIL SKIMMINGS & SLUDGES					
21	2 of 2	SE/198.7	65.9	S.21 330 Templeton St. Ottawa ON K1N 6X6	SPL
Ref No: 2360-63BL6H Contaminant Name: FURNACE OIL Contaminant Code: 13 Contaminant Limit 1: Contam. Limit Freq 1: Contaminant UN No 1: Contaminant Qty: MOE Reported Dt: 7/28/2004 Health/Env Conseq: Incident Dt: 7/28/2004 Incident Cause: Tank (Underground) Leak Incident Event: Incident Reason: Equipment Failure Incident Summary: Priv.res., undergrd oil tank, furnace oil to grnd		Site Address: Site Conc: Site Lot: Site County/District: Site Municipality: Ottawa Site Postal Code: Sector Type: Source Type: Receiving Medium: Land Receiving Env: Environment Impact: Not Anticipated Nature of Impact: Soil Contamination SAC Action Class: Spill to Land			
22	1 of 1	NE/205.5	57.5	ON	BORE
Borehole ID: 806981 Use: Geotechnical/Geological Investigation Drill Method:: Hollow stem auger Easting:: 447299.15 Location Accuracy:: Elev. Reliability Note:: Total Depth m:: 46 Township:: Lot:: Completion Date:: 06-MAY-2000 Primary Water Use::		Type: Borehole Status:: UTM Zone:: 18 Northing:: 5030365.37 Orig. Ground Elev m:: 57.8 DEM Ground Elev m:: 58.1 Primary Name:: BH 115 Concession:: Municipality: Static Water Level:: -999.9 Sec. Water Use::			
--Details--					
Stratum ID: 218590994 Bottom Depth(m): 0.2		Top Depth(m): 0.0 Stratum Desc: Asphalt			
Stratum ID: 218590995 Bottom Depth(m): 0.5		Top Depth(m): 0.2 Stratum Desc: Base			
Stratum ID: 218590996 Bottom Depth(m): 2.1		Top Depth(m): 0.5 Stratum Desc: Dark Brown Fill-Misc Sand Trace: Gr Tr Org M			
Stratum ID: 218590997 Bottom Depth(m): 3.6		Top Depth(m): 2.1 Stratum Desc: Bedrock Limestone LINDSAY FORMATION			
Stratum ID: 218590998 Bottom Depth(m): 12.1		Top Depth(m): 3.6 Stratum Desc: Bedrock Limestone			
Stratum ID: 218590999 Bottom Depth(m): 22.4		Top Depth(m): 12.1 Stratum Desc: Bedrock			
Stratum ID: 218591000 Bottom Depth(m): 32.3		Top Depth(m): 22.4 Stratum Desc: Bedrock VERULAM FORMATION			
Stratum ID: 218591001 Bottom Depth(m): 46.0		Top Depth(m): 32.3 Stratum Desc: Grey Bedrock Limestone			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
23	1 of 1	N/208.2	62.2	ON	BORE
Borehole ID:	803457			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status::	
Drill Method::	Hollow stem auger			UTM Zone::	18
Easting::	447163.76			Northing::	5030450.88
Location Accuracy::				Orig. Ground Elev m::	-999.9
Elev. Reliability Note::				DEM Ground Elev m::	60
Total Depth m::	2.7			Primary Name::	BH 7
Township::				Concession::	
Lot::				Municipality:	
Completion Date::	25-JAN-1984			Static Water Level::	-999.9
Primary Water Use::				Sec. Water Use::	
--Details--					
Stratum ID:	218576528			Top Depth(m):	0.0
Bottom Depth(m):	0.1			Stratum Desc:	Asphalt
Stratum ID:	218576529			Top Depth(m):	0.1
Bottom Depth(m):	0.2			Stratum Desc:	Concrete
Stratum ID:	218576530			Top Depth(m):	0.2
Bottom Depth(m):	0.8			Stratum Desc:	Brown Silt - Sand With: Gr
Stratum ID:	218576531			Top Depth(m):	0.8
Bottom Depth(m):	1.2			Stratum Desc:	Dark Brown Till sand silt
Stratum ID:	218576532			Top Depth(m):	1.2
Bottom Depth(m):	2.7			Stratum Desc:	Dark Grey Limestone Eastview Formation
24	1 of 1	ENE/210.0	60.0	ON	BORE
Borehole ID:	803512			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status::	
Drill Method::	Hollow stem auger			UTM Zone::	18
Easting::	447324.22			Northing::	5030330.91
Location Accuracy::				Orig. Ground Elev m::	-999.9
Elev. Reliability Note::				DEM Ground Elev m::	58.6
Total Depth m::	3.4			Primary Name::	BH 8
Township::				Concession::	
Lot::				Municipality:	
Completion Date::	07-FEB-1984			Static Water Level::	-999.9
Primary Water Use::				Sec. Water Use::	
--Details--					
Stratum ID:	218576787			Top Depth(m):	0.1
Bottom Depth(m):	0.1			Stratum Desc:	Crushed Stone
Stratum ID:	218576788			Top Depth(m):	0.1
Bottom Depth(m):	0.2			Stratum Desc:	Sand
Stratum ID:	218576789			Top Depth(m):	0.2
Bottom Depth(m):	1.9			Stratum Desc:	Dark Brown to Black Till sand silt With: Gr
Stratum ID:	218576790			Top Depth(m):	1.9
Bottom Depth(m):	3.4			Stratum Desc:	Dark Grey Limestone Eastview Formation
Stratum ID:	218576786			Top Depth(m):	0.0

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Bottom Depth(m):	0.1			Stratum Desc:	Asphalt
25	1 of 1	NE/211.6	57.5	ON	BORE
Borehole ID:	803509			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status::	
Drill Method::	Hollow stem auger			UTM Zone::	18
Easting::	447291.7			Northing::	5030384.51
Location Accuracy::				Orig. Ground Elev m::	-999.9
Elev. Reliability Note::				DEM Ground Elev m::	57.5
Total Depth m::	1.2			Primary Name::	BH 7
Township::				Concession::	
Lot::				Municipality:	
Completion Date::	07-FEB-1984			Static Water Level::	-999.9
Primary Water Use::				Sec. Water Use::	
--Details--					
Stratum ID:	218576775			Top Depth(m):	0.0
Bottom Depth(m):	0.1			Stratum Desc:	Asphalt
Stratum ID:	218576776			Top Depth(m):	0.1
Bottom Depth(m):	0.2			Stratum Desc:	Sand - Gravel
Stratum ID:	218576777			Top Depth(m):	0.2
Bottom Depth(m):	1.2			Stratum Desc:	Dark Brown Fill-Misc sand silt With: Gr W Org M
26	1 of 1	S/216.5	59.2	ON	BORE
Borehole ID:	803770			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status::	
Drill Method::	Hollow stem auger			UTM Zone::	18
Easting::	447101.9			Northing::	5030030.6
Location Accuracy::				Orig. Ground Elev m::	-999.9
Elev. Reliability Note::				DEM Ground Elev m::	57.5
Total Depth m::	4.7			Primary Name::	BH 5
Township::				Concession::	
Lot::				Municipality:	
Completion Date::	26-JAN-1984			Static Water Level::	-999.9
Primary Water Use::				Sec. Water Use::	
--Details--					
Stratum ID:	218577872			Top Depth(m):	0.0
Bottom Depth(m):	0.1			Stratum Desc:	Asphalt
Stratum ID:	218577873			Top Depth(m):	0.1
Bottom Depth(m):	0.3			Stratum Desc:	Brown Sand - Gravel
Stratum ID:	218577874			Top Depth(m):	0.3
Bottom Depth(m):	0.5			Stratum Desc:	Grey-Brown Silt - Sand With: Gr
Stratum ID:	218577875			Top Depth(m):	0.5
Bottom Depth(m):	1.7			Stratum Desc:	Dark Brown Peat With: Si
Stratum ID:	218577876			Top Depth(m):	1.7
Bottom Depth(m):	2.3			Stratum Desc:	Grey Compact Till sand silt
Stratum ID:	218577877			Top Depth(m):	2.3
Bottom Depth(m):	4.7			Stratum Desc:	Dark Grey Shale Some Limestone. Eastview

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Formation					
27	1 of 1	W/223.6	69.9	421 Nelson St Ottawa ON K1N7S6	EHS
Postal Code: City: Address2: Address1: Provstate: Order No.: 20130626036 Addit. Info Ordered:: Report Date: 04-JUL-13 Report Type: Custom Report Search Radius (km): .25					
28	1 of 3	S/225.7	60.1	LISGAR SQUARE DEVELOPMENTS INC. 88-90 TEMPLETON AVENUE OTTAWA CITY ON K1N 6X3	CA
Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name:: Client Address:: Client City:: Client Postal Code:: Project Description:: Contaminants:: Emission Control::					
		8-4113-94-94 9/19/1994 Industrial air Approved EMERG. GENERATOR FOR STORM DUPLEX PUMPS Nitrogen Oxides No Controls			
28	2 of 3	S/225.7	60.1	LISGAR SQUARE DEVELOPMENTS INC. 88-90 TEMPLETON ST. (SWM) OTTAWA CITY ON K1N 6X3	CA
Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name:: Client Address:: Client City:: Client Postal Code:: Project Description:: Contaminants:: Emission Control::					
		3-0793-94-94 9/16/1994 Municipal sewage Cancelled			
28	3 of 3	S/225.7	60.1	LISGAR SQUARE DEVELOPMENTS INC. 88-90 TEMPLETON ST. (SWM) OTTAWA CITY ON K1N 6X3	CA
Certificate #: Application Year: Issue Date:					
		3-0793-94-006 94 10/24/94			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Approval Type: Status: Application Type: Client Name:: Client Address:: Client City:: Client Postal Code:: Project Description:: Contaminants:: Emission Control::		Municipal sewage Approved			
29	1 of 1	WSW/228.2	66.2	R.M. OF OTTAWA-CARLETON SOMERSET ST./NELSON ST. OTTAWA CITY ON	CA
Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name:: Client Address:: Client City:: Client Postal Code:: Project Description:: Contaminants:: Emission Control::		7-0780-96-96 8/16/1996 Municipal water Approved			
30	1 of 1	E/232.6	61.8	ON	BORE
Borehole ID: Use: Drill Method:: Easting:: Location Accuracy:: Elev. Reliability Note:: Total Depth m:: Township:: Lot:: Completion Date:: Primary Water Use::		803515 Geotechnical/Geological Investigation Hollow stem auger 447364.46 4.3 07-FEB-1984		Type: Status:: UTM Zone:: Northing:: Orig. Ground Elev m:: DEM Ground Elev m:: Primary Name:: Concession:: Municipality: Static Water Level:: Sec. Water Use::	
--Details-- Stratum ID: Bottom Depth(m):		218576798 0.1		Top Depth(m): Stratum Desc:	
Stratum ID: Bottom Depth(m):		218576799 0.4		Top Depth(m): Stratum Desc:	
Stratum ID: Bottom Depth(m):		218576800 1.0		Top Depth(m): Stratum Desc:	
Stratum ID: Bottom Depth(m):		218576801 2.9		Top Depth(m): Stratum Desc:	
Stratum ID: Bottom Depth(m):		218576802 4.3		Top Depth(m): Stratum Desc:	

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
31	1 of 1	NNE/233.3	59.6	ON	BORE
Borehole ID:	803505			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status::	
Drill Method::	Hollow stem auger			UTM Zone::	18
Easting::	447256.57			Northing::	5030442.65
Location Accuracy::				Orig. Ground Elev m::	-999.9
Elev. Reliability Note::				DEM Ground Elev m::	58.3
Total Depth m::	3.8			Primary Name::	BH 6
Township::				Concession::	
Lot::				Municipality:	
Completion Date::	07-FEB-1984			Static Water Level::	-999.9
Primary Water Use::				Sec. Water Use::	
--Details--					
Stratum ID:	218576754			Top Depth(m):	0.0
Bottom Depth(m):	0.1			Stratum Desc:	Asphalt
Stratum ID:	218576755			Top Depth(m):	0.1
Bottom Depth(m):	0.2			Stratum Desc:	Concrete
Stratum ID:	218576756			Top Depth(m):	0.2
Bottom Depth(m):	2.2			Stratum Desc:	Dark Brown Fill-Misc sand silt With: Cl W Gr W Cob
Stratum ID:	218576757			Top Depth(m):	2.2
Bottom Depth(m):	3.8			Stratum Desc:	Dark Grey Limestone Eastview Formation
32	1 of 1	N/238.0	64.7	ON	BORE
Borehole ID:	803454			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status::	
Drill Method::	Hollow stem auger			UTM Zone::	18
Easting::	447144.74			Northing::	5030482.73
Location Accuracy::				Orig. Ground Elev m::	-999.9
Elev. Reliability Note::				DEM Ground Elev m::	60.6
Total Depth m::	1.8			Primary Name::	BH 6
Township::				Concession::	
Lot::				Municipality:	
Completion Date::	26-JAN-1984			Static Water Level::	-999.9
Primary Water Use::				Sec. Water Use::	
--Details--					
Stratum ID:	218576521			Top Depth(m):	1.5
Bottom Depth(m):	1.8			Stratum Desc:	Limestone
Stratum ID:	218576517			Top Depth(m):	0.0
Bottom Depth(m):	0.1			Stratum Desc:	Asphalt
Stratum ID:	218576518			Top Depth(m):	0.1
Bottom Depth(m):	0.2			Stratum Desc:	Concrete
Stratum ID:	218576519			Top Depth(m):	0.2
Bottom Depth(m):	0.4			Stratum Desc:	Brown Silt - Sand With: Gr
Stratum ID:	218576520			Top Depth(m):	0.4
Bottom Depth(m):	1.5			Stratum Desc:	Dark Brown Till sand silt

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
33	1 of 1	N/240.0	62.7	45 Blackburn Ave Ottawa ON K1N8A4	EHS
Postal Code:		K1N8A4			
City:		Ottawa			
Address2:					
Address1:		45 Blackburn Ave			
Provstate:		ON			
Order No.:		20160816012			
Addit. Info Ordered::					
Report Date:		19-AUG-16			
Report Type:		Standard Report			
Search Radius (km):		.25			
34	1 of 1	S/241.2	60.0	OTTAWA ON	WWIS
Well ID:		7242733		Data Entry Status:	
Construction Date:				Data Src:	
Primary Water Use:		Monitoring and Test Hole		Date Received:	
Sec. Water Use:		0		Selected Flag:	
Final Well Status:		Observation Wells		Abandonment Rec:	
Water Type:				Contractor:	
Casing Material:				Form Version:	
Audit No:		Z207743		Owner:	
Tag:		A175683		Street Name:	
Construction Method:				County:	
Elevation (m):				Municipality:	
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:					
<u>Bore Hole Information</u>					
Bore Hole ID:		1005402192		Spatial Status:	
DP2BR:				Cluster Kind:	
Code OB:				UTMRC:	
Code OB Desc:				UTMRC Desc:	
Open Hole:				Location Method:	
Elevation:		59.471282		Org CS:	
Elevrc:				Date Completed:	
Remarks:					
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1005656382			
Layer:		1			
Color:		6			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
General Color:		BROWN			
Mat1:		02			
Most Common Material:		TOPSOIL			
Mat2:					
Other Materials:					
Mat3:		85			
Other Materials:		SOFT			
Formation Top Depth:		0.00			
Formation End Depth:		0.31			
Formation End Depth UOM:		m			
Formation ID:		1005656383			
Layer:		2			
Color:		6			
General Color:		BROWN			
Mat1:		28			
Most Common Material:		SAND			
Mat2:		12			
Other Materials:		STONES			
Mat3:		85			
Other Materials:		SOFT			
Formation Top Depth:		0.31			
Formation End Depth:		1.22			
Formation End Depth UOM:		m			
Formation ID:		1005656384			
Layer:		3			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		06			
Other Materials:		SILT			
Mat3:		85			
Other Materials:		SOFT			
Formation Top Depth:		1.22			
Formation End Depth:		4.27			
Formation End Depth UOM:		m			
Formation ID:		1005656385			
Layer:		4			
Color:		8			
General Color:		BLACK			
Mat1:		17			
Most Common Material:		SHALE			
Mat2:					
Other Materials:					
Mat3:		74			
Other Materials:		LAYERED			
Formation Top Depth:		4.27			
Formation End Depth:		10.97			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1005656394			
Layer:		1			
Plug From:		0.00			
Plug To:		0.31			
Plug Depth UOM:		m			
Plug ID:		1005656395			
Layer:		2			
Plug From:		0.31			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Plug To:		7.62			
Plug Depth UOM:		m			
Plug ID:		1005656396			
Layer:		3			
Plug From:		7.62			
Plug To:		10.97			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1005656393			
Method Construction Code:		5			
Method Construction:		Air Percussion			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1005656381			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1005656389			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0.00			
Depth To:		7.92			
Casing Diameter:		5.20			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1005656390			
Layer:		1			
Slot:		10			
Screen Top Depth:		7.92			
Screen End Depth:		10.97			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		6.03			
<u>Water Details</u>					
Water ID:		1005656388			
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					
Hole ID:		1005656386			
Diameter:		11.43			

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elevation (m)</i>	<i>Site</i>	<i>DB</i>
<hr/>					
<i>Depth From:</i>		0.00			
<i>Depth To:</i>		9.88			
<i>Hole Depth UOM:</i>		m			
<i>Hole Diameter UOM:</i>		cm			
<i>Hole ID:</i>		1005656387			
<i>Diameter:</i>		7.62			
<i>Depth From:</i>		4.88			
<i>Depth To:</i>		10.97			
<i>Hole Depth UOM:</i>		m			
<i>Hole Diameter UOM:</i>		cm			
<hr/>					
<u>35</u>	1 of 1	W/241.8	69.9	411 Nelson St Ottawa ON K1N7S6	EHS
<i>Postal Code:</i>		K1N7S6			
<i>City:</i>		Ottawa			
<i>Address2:</i>					
<i>Address1:</i>		411 Nelson St			
<i>Provstate:</i>		ON			
<i>Order No.:</i>		20151207128			
<i>Addit. Info Ordered::</i>		City Directory			
<i>Report Date:</i>		14-DEC-15			
<i>Report Type:</i>		Custom Report			
<i>Search Radius (km):</i>		.25			

Unplottable Summary

Total: 17 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	REG.MUN.OF OTTAWA-CARLETON	SWEETLAND AVE.	OTTAWA ON	
CA	Chapel / Blackburn	Blackburn Avenue - Chapel Street	Ottawa ON	
CA	R.M. OF OTTAWA-CARLETON	SOMERSET STREET	OTTAWA CITY ON	
CA	City of Ottawa	Somerset East	Ottawa ON	
CA	OTTAWA CITY (I. BHATIA)	RUSSELL AVE.	OTTAWA CITY ON	
CA	OTTAWA CITY	NELSON STREET	OTTAWA CITY ON	
CA	OTTAWA CITY NELSON AND WILBROD ST.	NELSON ST.	OTTAWA CITY ON	
CA	R.M. OF OTTAWA-CARLETON NELSON ST.	NELSON ST.	OTTAWA CITY ON	
CA	CITY	GOULBURN AVE.	OTTAWA ON	
CA	OTTAWA CITY	CHAPEL STREET	OTTAWA CITY ON	
CA	CITY OF OTTAWA NON-PROFIT HSG. CORP.	CHAPEL ST./STM-WATER MGT.	OTTAWA CITY ON	
CA	Chapel / Blackburn	Blackburn Avenue - Chapel Street	Ottawa ON	
CA	Chapel / Blackburn	Blackburn Avenue - Chapel Street	Ottawa ON	
CA	CITY	SWEETLAND AVE.	OTTAWA ON	
CA	OTTAWA CITY	BLACKBURN AVE.	OTTAWA CITY ON	
ECA	City of Ottawa	Somerset Street East	Ottawa ON	K2G 6J8
ECA	City of Ottawa	Somerset Street East	Ottawa ON	K2G 6J8

Unplottable Report

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: 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 watermain on Chapel Street and Blackburn Avenue.
Contaminants::
Emission Control::

Site: R.M. OF OTTAWA-CARLETON
SOMERSET STREET OTTAWA CITY ON

Database:
CA

Certificate #: 7-0096-88-
Application Year: 88
Issue Date: 2/10/1988
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: City of Ottawa
Somerset East Ottawa ON

Database:
CA

Certificate #: 5307-772KSY
Application Year: 2007

Issue Date: 10/16/2007
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: 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
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 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: 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: 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: 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: 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: 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: 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 watermain on Chapel Street and Blackburn Avenue.
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: 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 of Ottawa**
Somerset Street East Ottawa ON K2G 6J8

Database:
ECA

Approval No: 5307-772KSY
Status: Approved
Date: 2007-10-16
Record Type: ECA
Link Source: IDS
Project Type: Municipal and Private Sewage Works
Approval Type: ECA-Municipal and Private Sewage Works
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/3820-72YNWV-14.pdf>

SWP Area Name:
MOE District:
City:
Latitude:
Longitude:

Site: **City of Ottawa**
Somerset Street East Ottawa ON K2G 6J8

Database:
ECA

Approval No: 3942-777HUK
Status: Approved
Date: 2007-09-19
Record Type: ECA
Link Source: IDS
Project Type: Municipal Drinking Water Systems
Approval Type: ECA-Municipal Drinking Water Systems
Full Address:
Full PDF Link:

SWP Area Name:
MOE District:
City:
Latitude:
Longitude:

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

AGR

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 2017

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-Nov 2016

Anderson's Waste Disposal Sites:

Private

ANDR

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

Government Publication Date: 1860s-Present

Automobile Wrecking & Supplies:

Private

AUWR

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

Government Publication Date: 1999-May 2017

Borehole:

Provincial

BORE

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

Government Publication Date: 1875-Jul 2014

Certificates of Approval:

Provincial

CA

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

Government Publication Date: 1985-Oct 30, 2011*

Commercial Fuel Oil Tanks:

Provincial

CFOT

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

Government Publication Date: Feb 28, 2017

Chemical Register:

Private

CHEM

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

Government Publication Date: 1999-May 2017

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 31, 2012

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 2017

Certificates of Property Use:

Provincial

CPU

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

Government Publication Date: 1994-Oct 2017

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-Aug 2015

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-Oct 2017

Environmental Registry:

Provincial

EBR

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

Government Publication Date: 1994-Oct 2017

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-Oct 2017

Environmental Effects Monitoring:

Federal

EEM

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

Government Publication Date: 1992-2007*

ERIS Historical Searches:

Private

EHS

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

Government Publication Date: 1999-Aug 2016

Environmental Issues Inventory System:

Federal

EIIS

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

Government Publication Date: 1992-2001*

Emergency Management Historical Event:

Provincial

EMHE

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

List of TSSA Expired Facilities:

Provincial

EXP

List of facilities with removed tanks which were once registered with the Fuels Safety Program of the Technical Standards and Safety Authority (TSSA). Includes private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc. Tanks which have been removed automatically fall under the expired facilities inventory held by TSSA.

Government Publication Date: Feb 28, 2017

Federal Convictions:

Federal

FCON

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

Government Publication Date: 1988-Jun 2007*

Contaminated Sites on Federal Land:

Federal

FCS

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

Government Publication Date: Jun 2000-Dec 2017

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 2017

Fuel Storage Tank:

Provincial

FST

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

Government Publication Date: Feb 28, 2017

Fuel Storage Tank - Historic:

Provincial

FSTH

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

Government Publication Date: Pre-Jan 2010*

Ontario Regulation 347 Waste Generators Summary:

Provincial

GEN

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

Government Publication Date: 1986-Jun 2017

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 2015

TSSA Historic Incidents:

Provincial

HINC

This database will cover all incidences recorded by TSSA with their older system, before they moved to their new management system. TSSA's Fuels Safety Program administers the Technical Standards & Safety Act 2000, providing fuel-related safety services associated with the safe transportation, storage, handling and use of fuels such as gasoline, diesel, propane, natural gas and hydrogen. Under this Act, TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. The TSSA works to protect the public, the environment and property from fuel-related hazards such as spills, fires and explosions. This database will include spills and leaks from pipelines, diesel, fuel oil, gasoline, natural gas, propane and hydrogen recorded by the TSSA.

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks:

Federal

IAFT

The Department of Indian & Northern Affairs Canada (INAC) maintains an inventory of aboveground & underground fuel storage tanks located on both federal and crown land. Our inventory provides information on the reserve name, location, facility type, site/facility name, tank type, material & ID number, tank contents & capacity, and date of tank installation.

Government Publication Date: 1950-Aug 2003*

TSSA Incidents:

Provincial

INC

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

Government Publication Date: Feb 28, 2017

Landfill Inventory Management Ontario:

Provincial

LIMO

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

Government Publication Date: Dec 31, 2013

Canadian Mine Locations:

Private

MINE

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

Government Publication Date: 1998-2009*

Mineral Occurrences:

Provincial

MNR

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

Government Publication Date: 1846-Feb 2017

National Analysis of Trends in Emergencies System (NATES):

Federal

NATE

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

Government Publication Date: 1974-1994*

Non-Compliance Reports:

Provincial

NCPL

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

Government Publication Date: Dec 31, 2014

National Defense & Canadian Forces Fuel Tanks:

Federal

NDFT

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

Government Publication Date: Up to May 2001*

National Defense & Canadian Forces Spills:

Federal

NDSP

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

Government Publication Date: Mar 1999-Aug 2010

National Defence & Canadian Forces Waste Disposal Sites:

Federal

NDWD

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

Government Publication Date: 2001-Apr 2007*

National Energy Board Pipeline Incidents:

Federal

NEBI

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

Government Publication Date: 2008-Dec 31, 2017

National Energy Board Wells:

Federal

NEBW

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

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES):

Federal

NEES

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

Government Publication Date: 1974-2003***National PCB Inventory:**

Federal

NPCB

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

Government Publication Date: 1988-2008***National Pollutant Release Inventory:**

Federal

NPRI

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

Government Publication Date: 1993-May 2017**Oil and Gas Wells:**

Private

OGW

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

Government Publication Date: 1988-Sep 2017**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-Oct 2017**Inventory of PCB Storage Sites:**

Provincial

OPCB

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

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

Provincial

ORD

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

Government Publication Date: 1994-Oct 2017**Canadian Pulp and Paper:**

Private

PAP

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

Government Publication Date: 1999, 2002, 2004, 2005, 2009**Parks Canada Fuel Storage Tanks:**

Federal

PCFT

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

Government Publication Date: 1920-Jan 2005*

Pesticide Register:

Provincial PES

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

Government Publication Date: 1988-Aug 2017

TSSA Pipeline Incidents:

Provincial PINC

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

Government Publication Date: Feb 28, 2017

Private and Retail Fuel Storage Tanks:

Provincial PRT

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

Government Publication Date: 1989-1996*

Permit to Take Water:

Provincial PTTW

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

Government Publication Date: 1994-Oct 2017

Ontario Regulation 347 Waste Receivers Summary:

Provincial REC

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

Government Publication Date: 1986-2016

Record of Site Condition:

Provincial RSC

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

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

Government Publication Date: 1997-Sept 2001, Oct 2004-Nov 2017

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-May 2017

Scott's Manufacturing Directory:

Private SCT

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

Government Publication Date: 1992-Mar 2011*

Ontario Spills:

Provincial SPL

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

Government Publication Date: 1988-Sep 2017

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, 2016

Anderson's Storage Tanks:

Private

TANK

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

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks:

Federal

TCFT

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

Government Publication Date: 1970-Aug 2017

TSSA Variances for Abandonment of Underground Storage Tanks:

Provincial

VAR

List of variances granted for abandoned tanks. Under the Technical Standards and Safety Authority (TSSA) Liquid Fuels Handling Code and Fuel Oil Code, all 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.

Government Publication Date: Feb 28, 2017

Waste Disposal Sites - MOE CA Inventory:

Provincial

WDS

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

Government Publication Date: Oct 31, 2017

Waste Disposal Sites - MOE 1991 Historical Approval Inventory:

Provincial

WDSH

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

Government Publication Date: Up to Oct 1990*

Water Well Information System:

Provincial

WWIS

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

Government Publication Date: Mar 31, 2017

Definitions

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

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

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

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

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

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

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

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

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

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

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

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

APPENDIX B

Additional Information



enviroscan



An SCM Company

175 Commerce Valley Drive W
Markham, Ontario L3T 7Z3

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

Report Completed By:

Anthony

Site Address:

316 Somerset Street East Ottawa ON

Project No:

20171214066

Opta Order ID:

44002

Requested by:
Eleanor Goolab
Ecolog ERIS

Date Completed:
12/21/2017 7:05:03 AM



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.

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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.

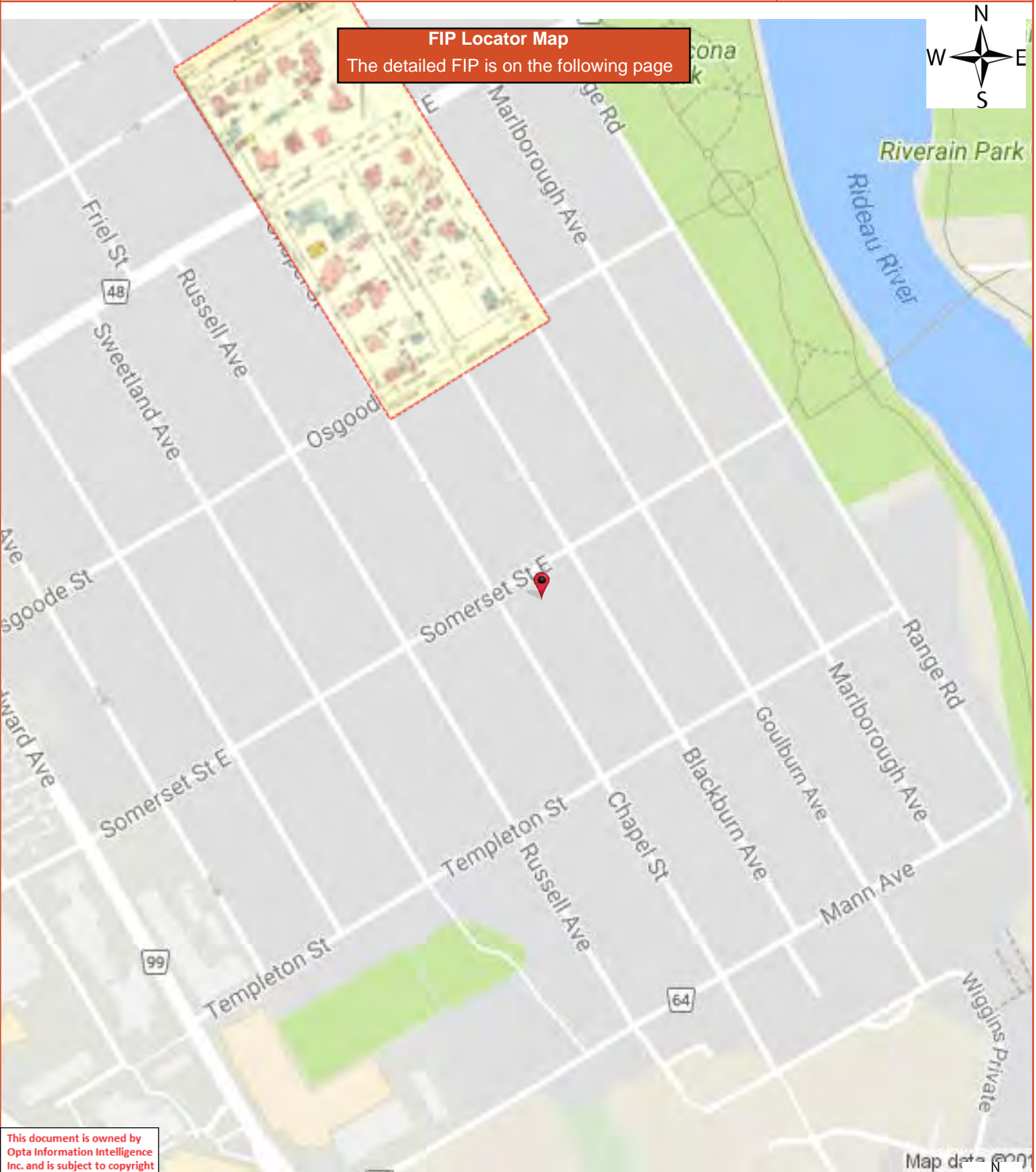
Law

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.

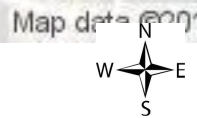
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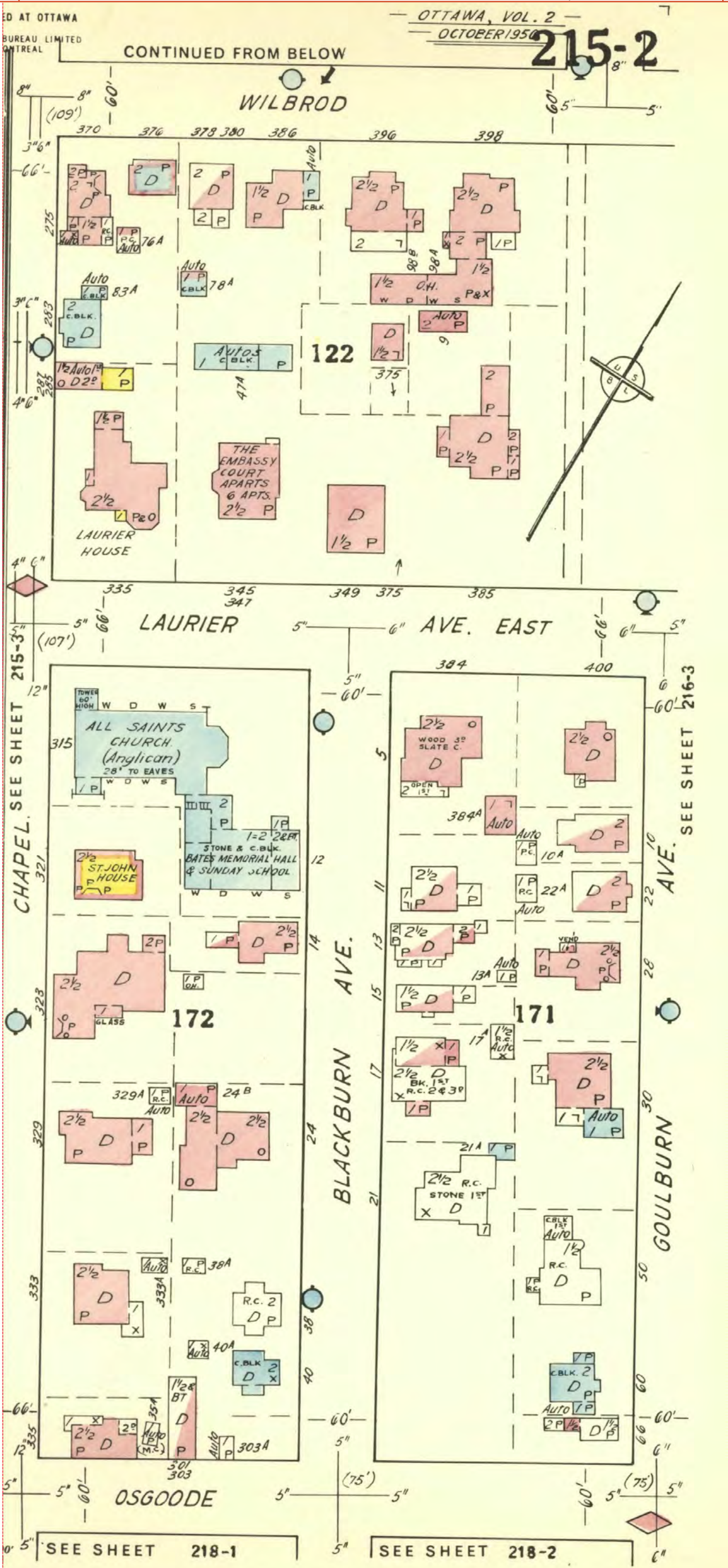
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14	(1958) Volume: Ottawa Volume 2 Firemap: 217-4
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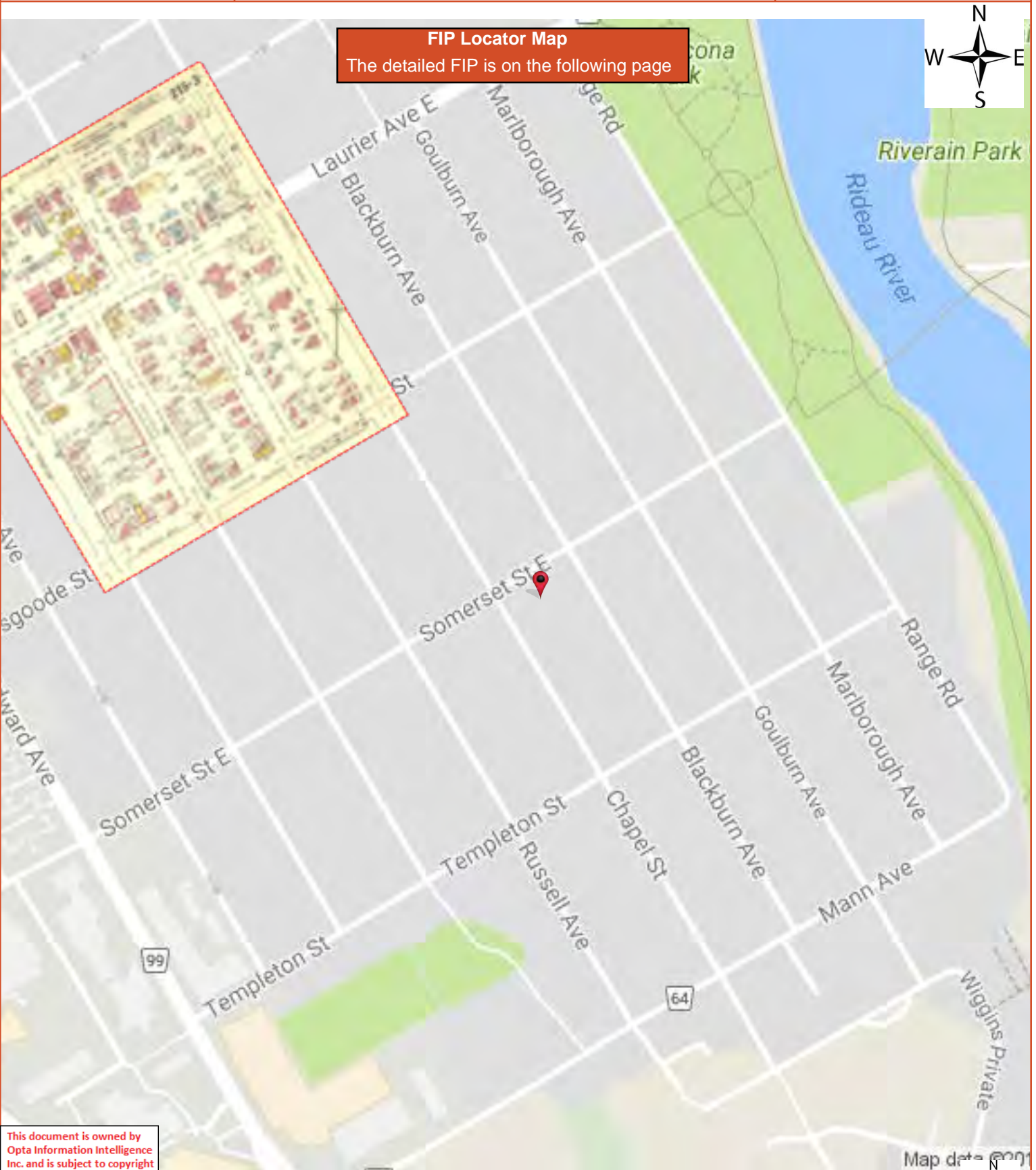




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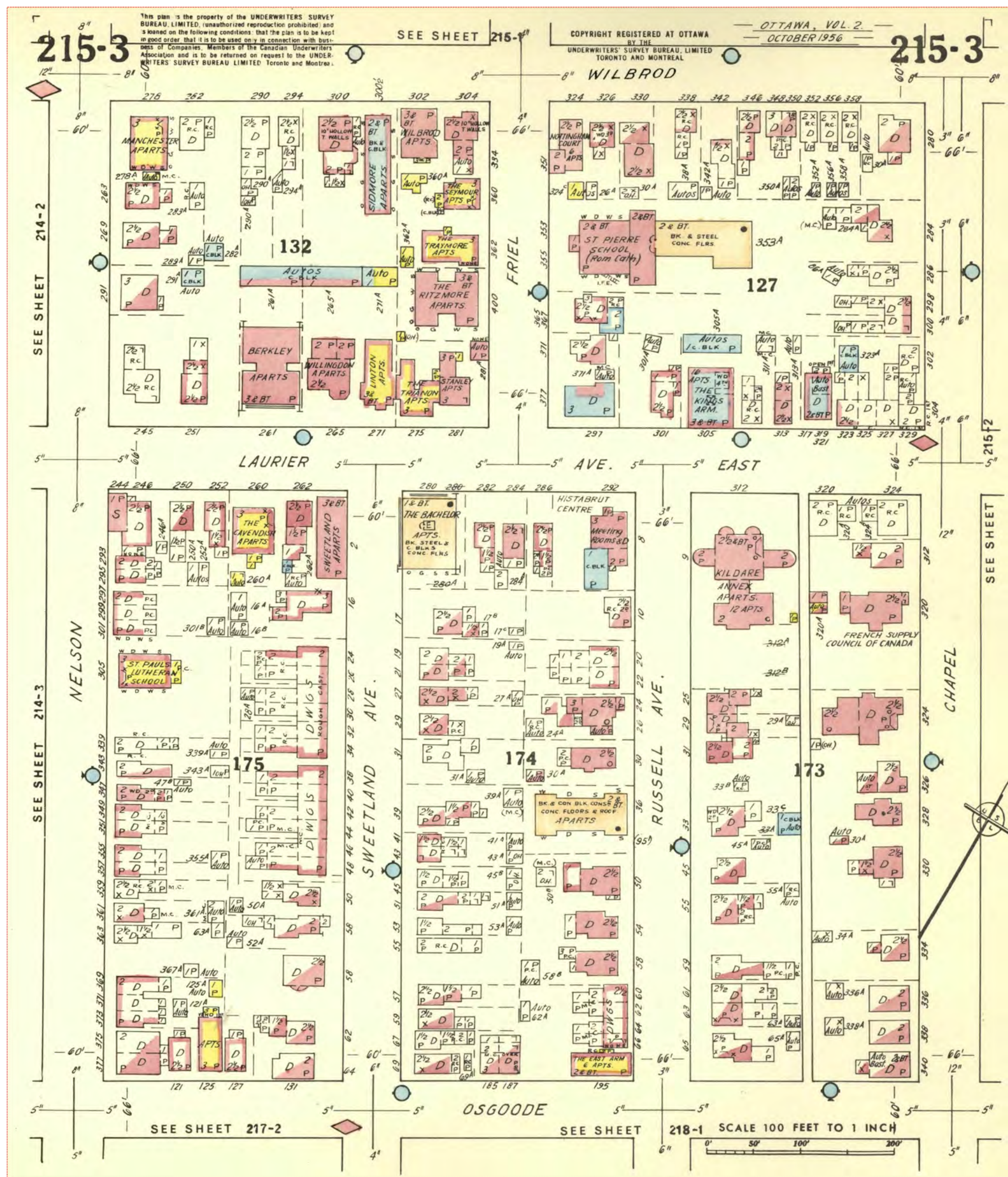


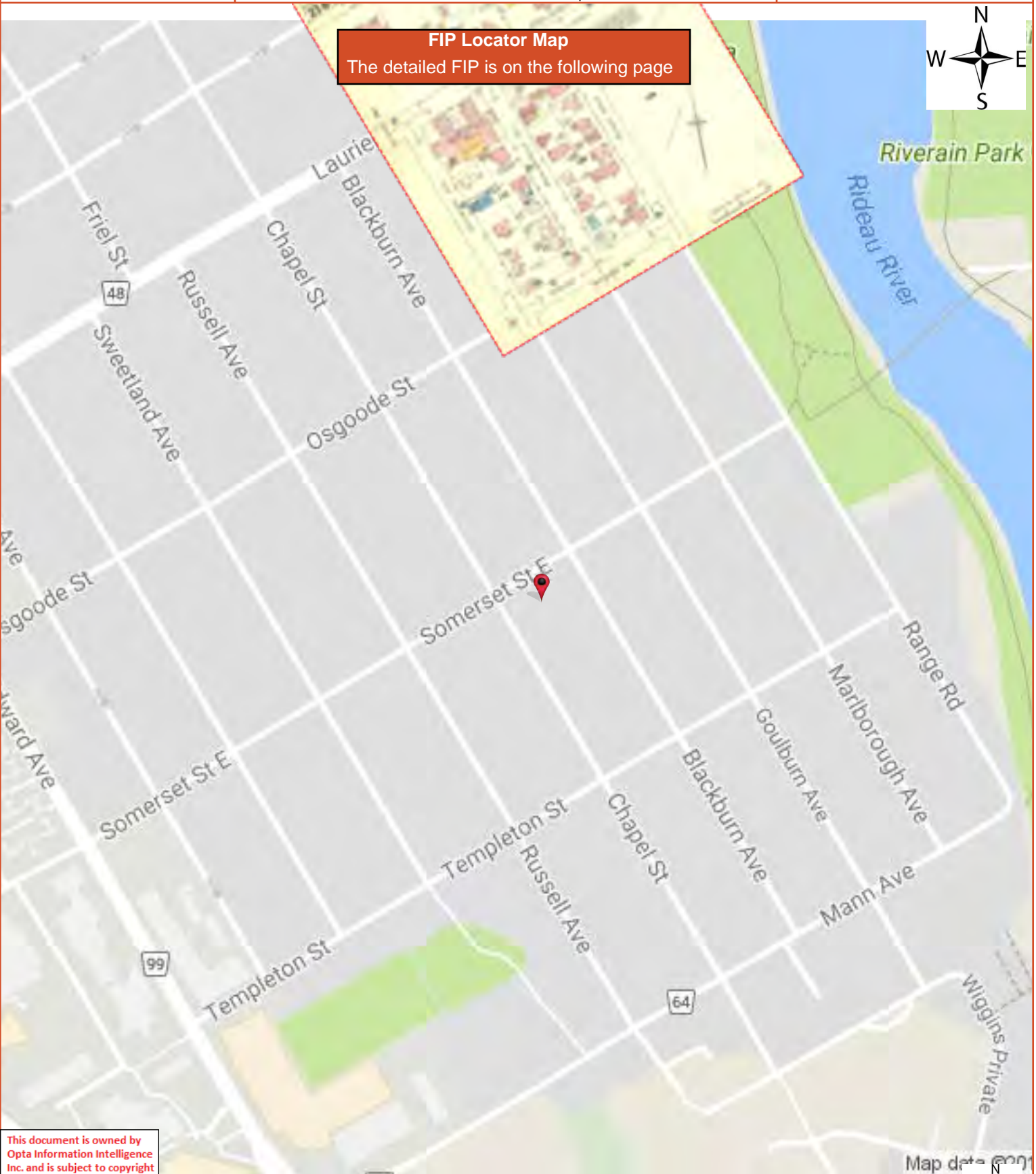


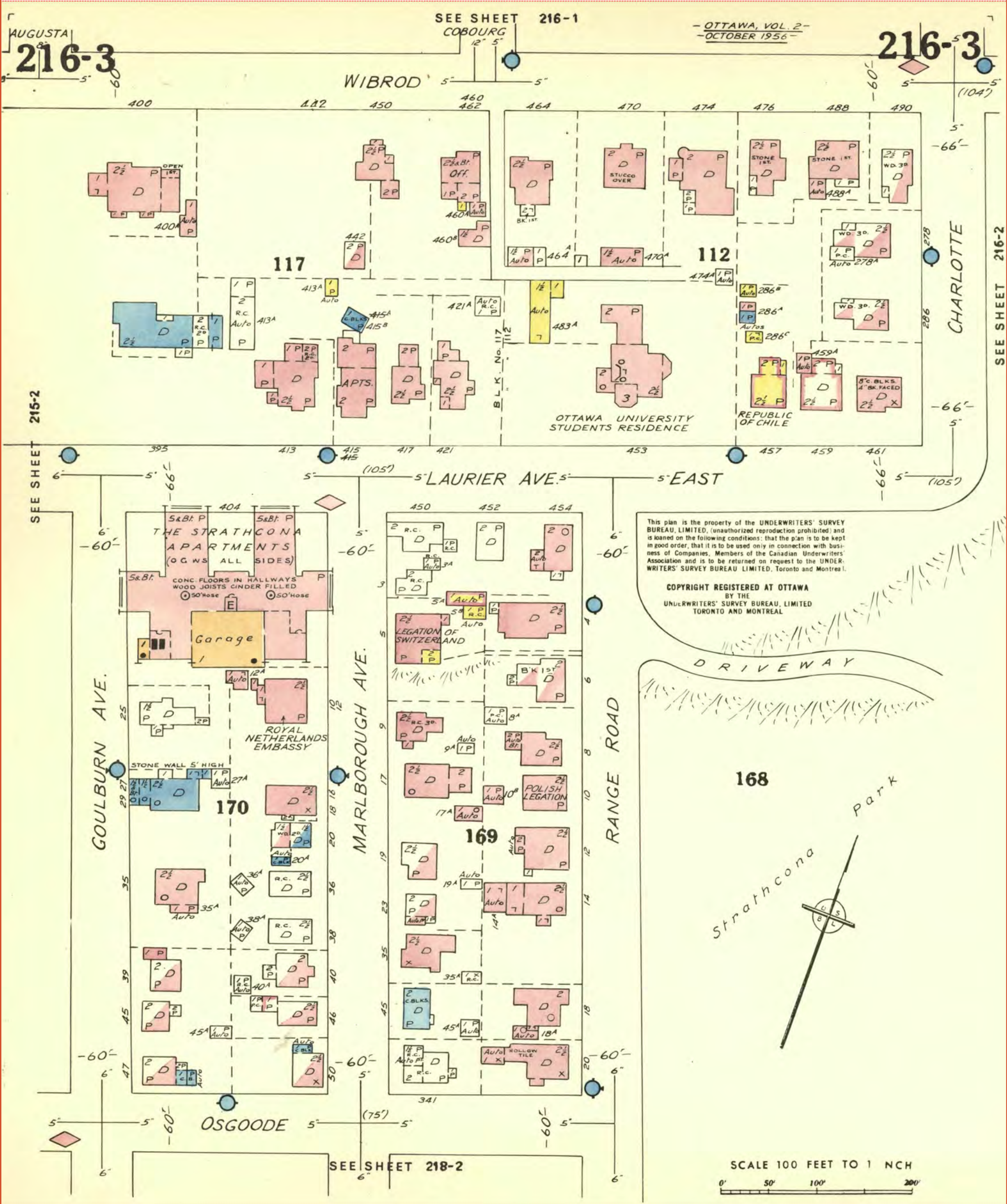


FIP Locator Map
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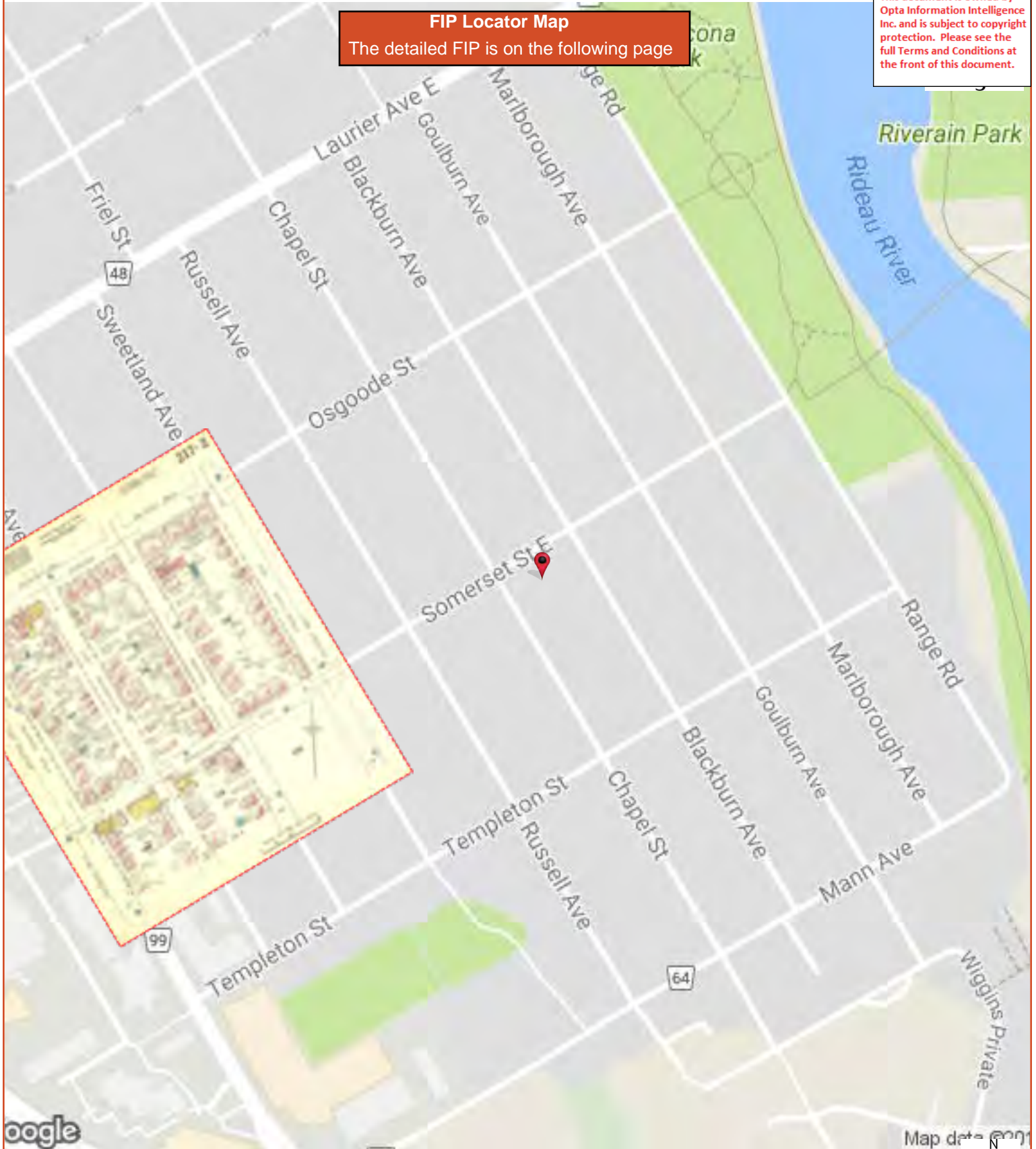


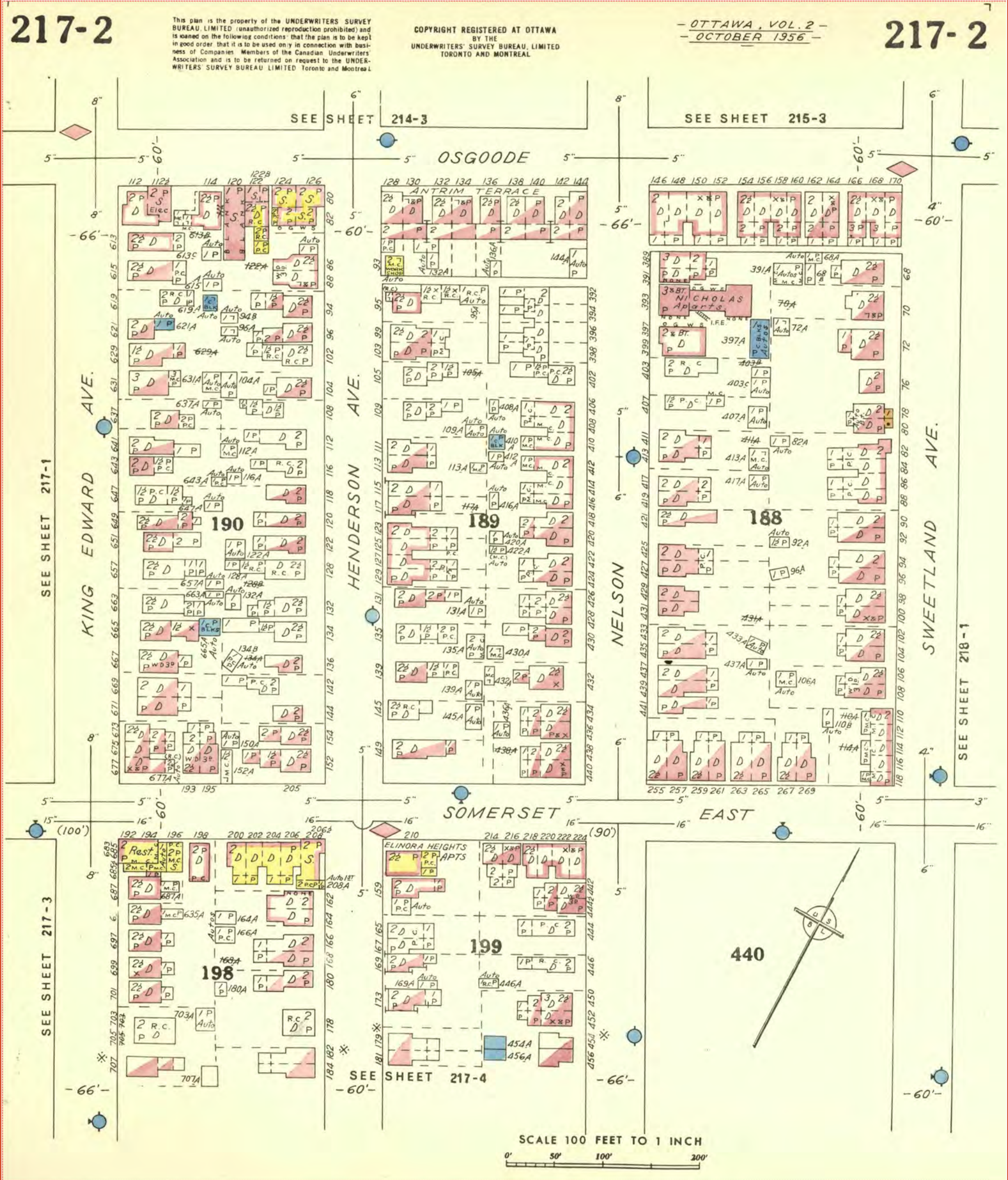


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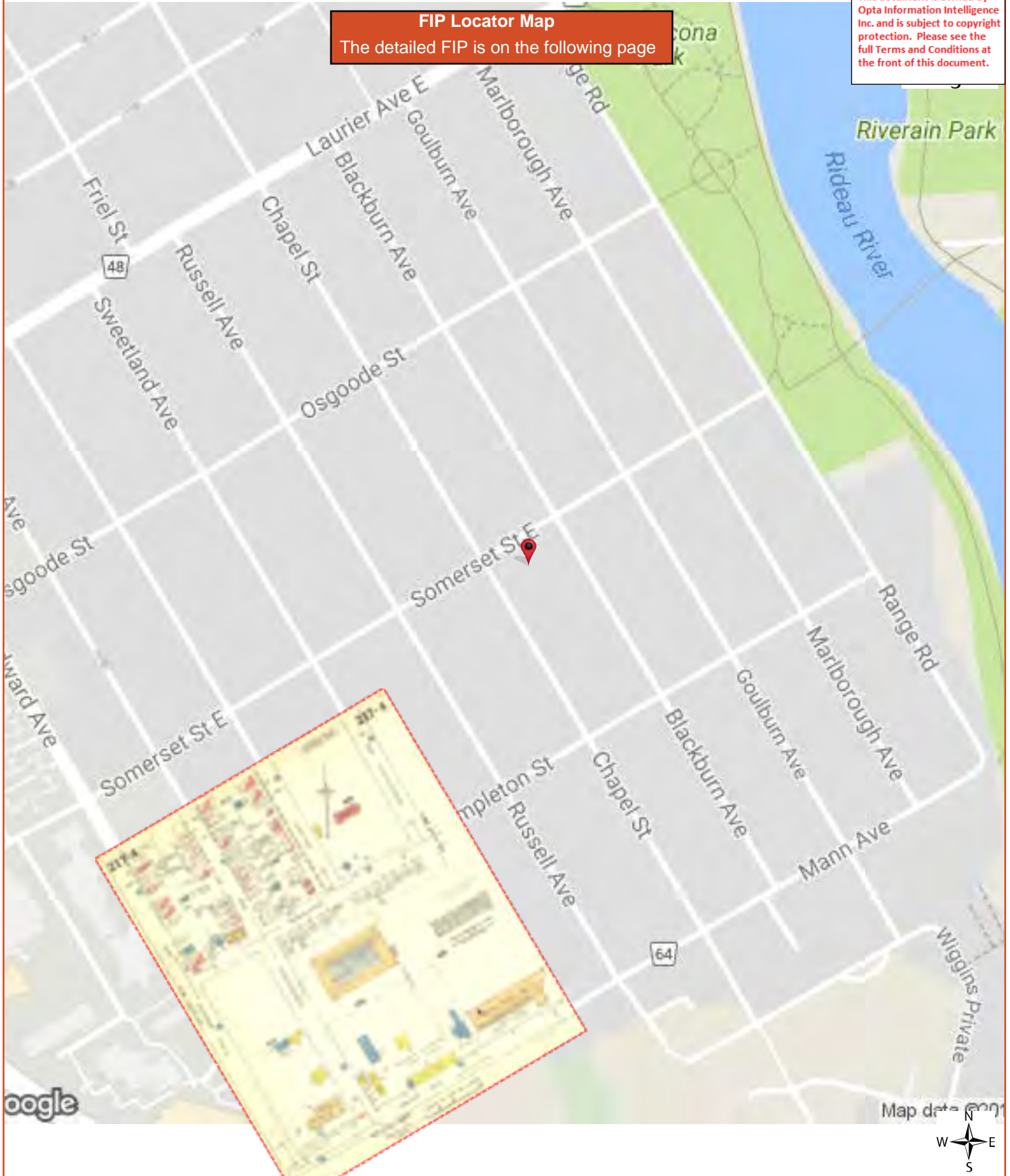


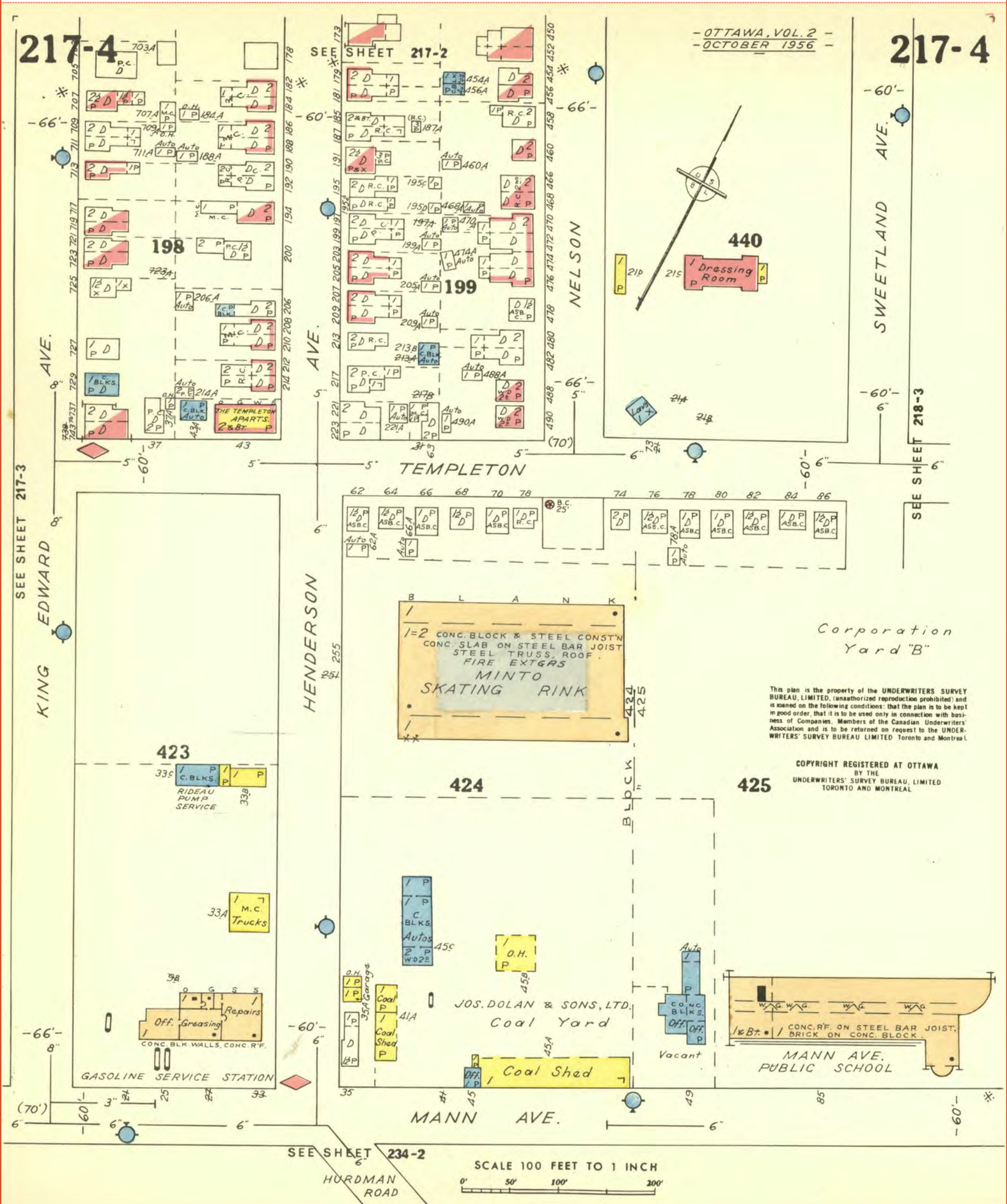


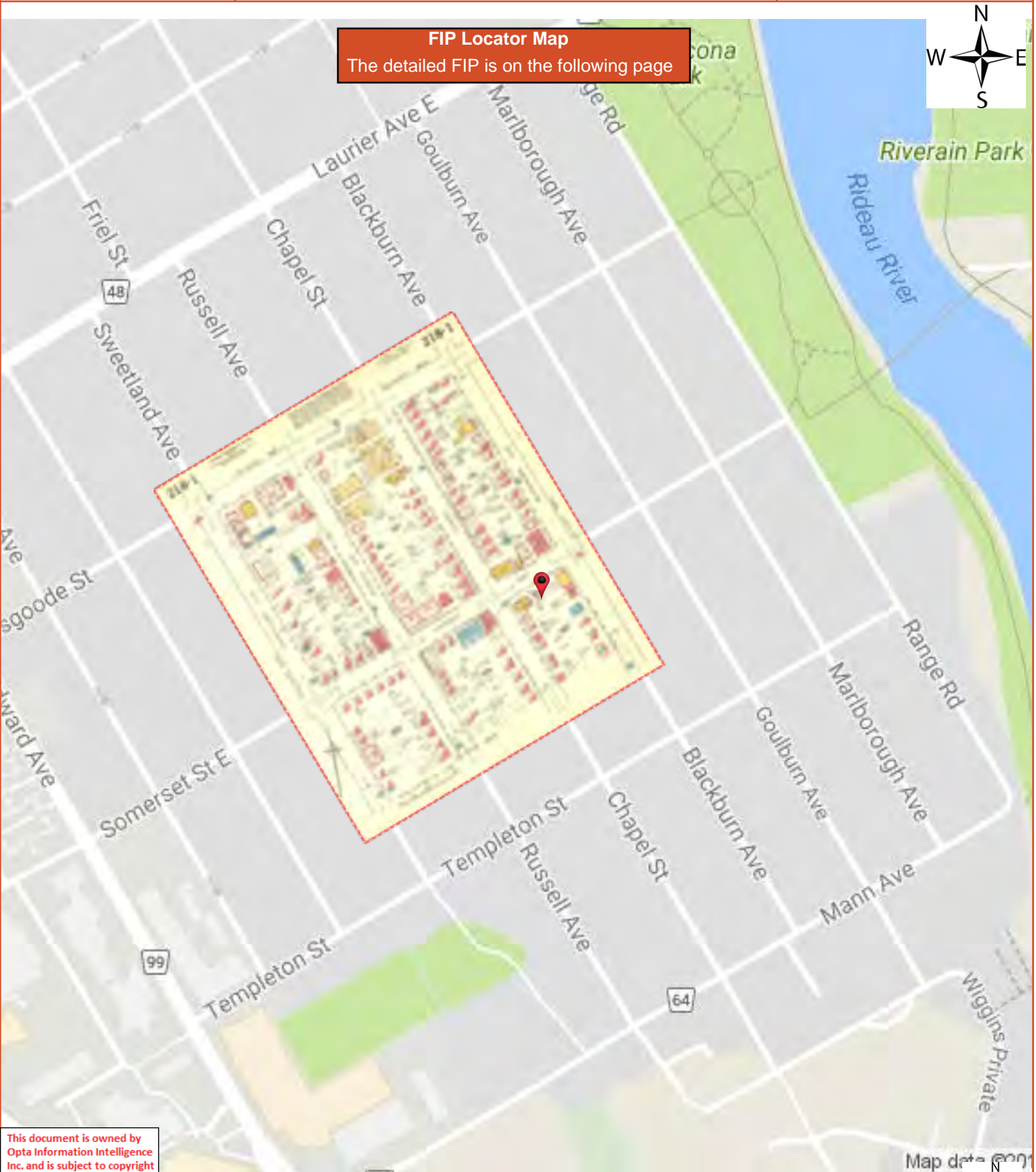
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FIP Locator Map

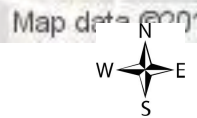
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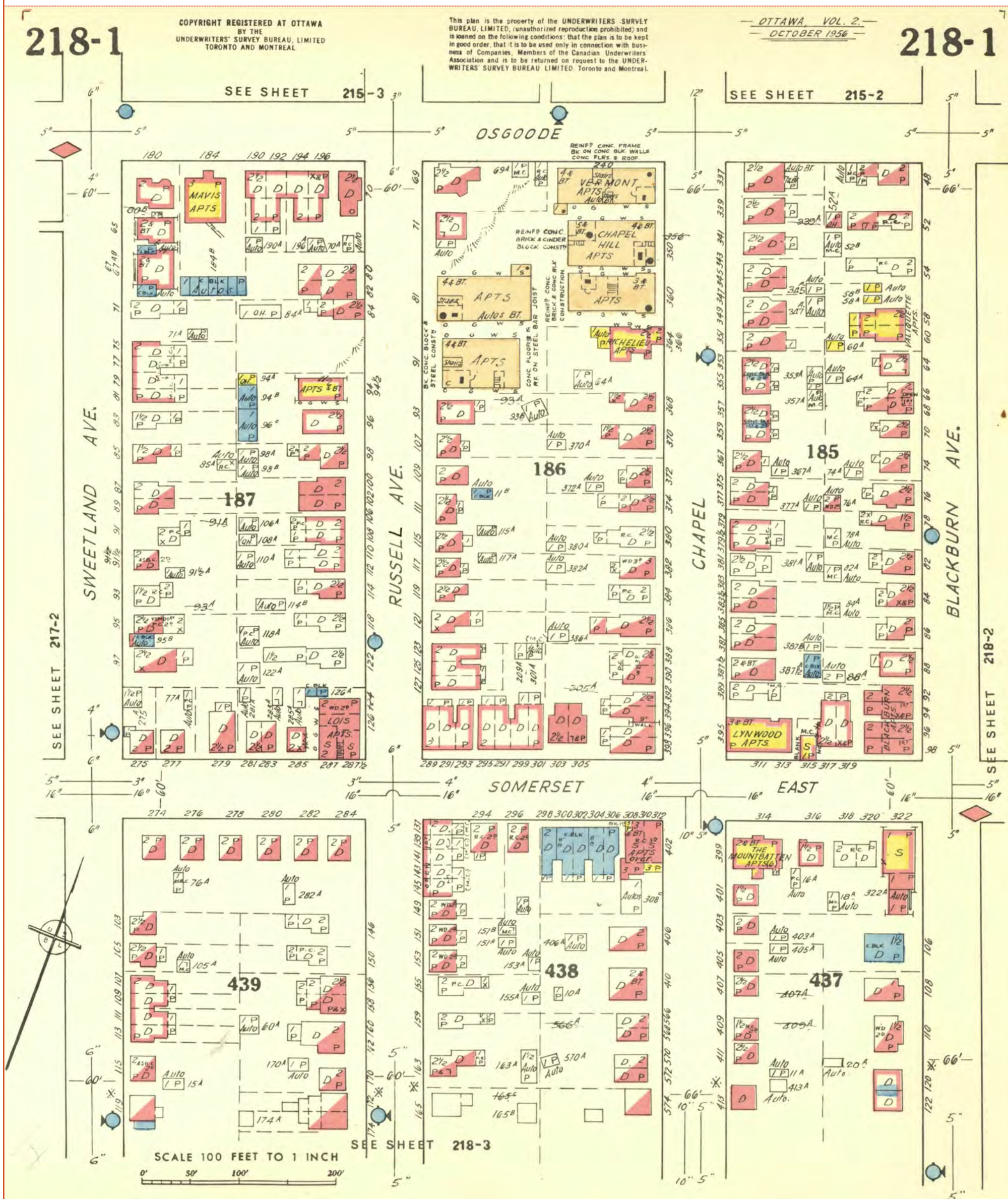


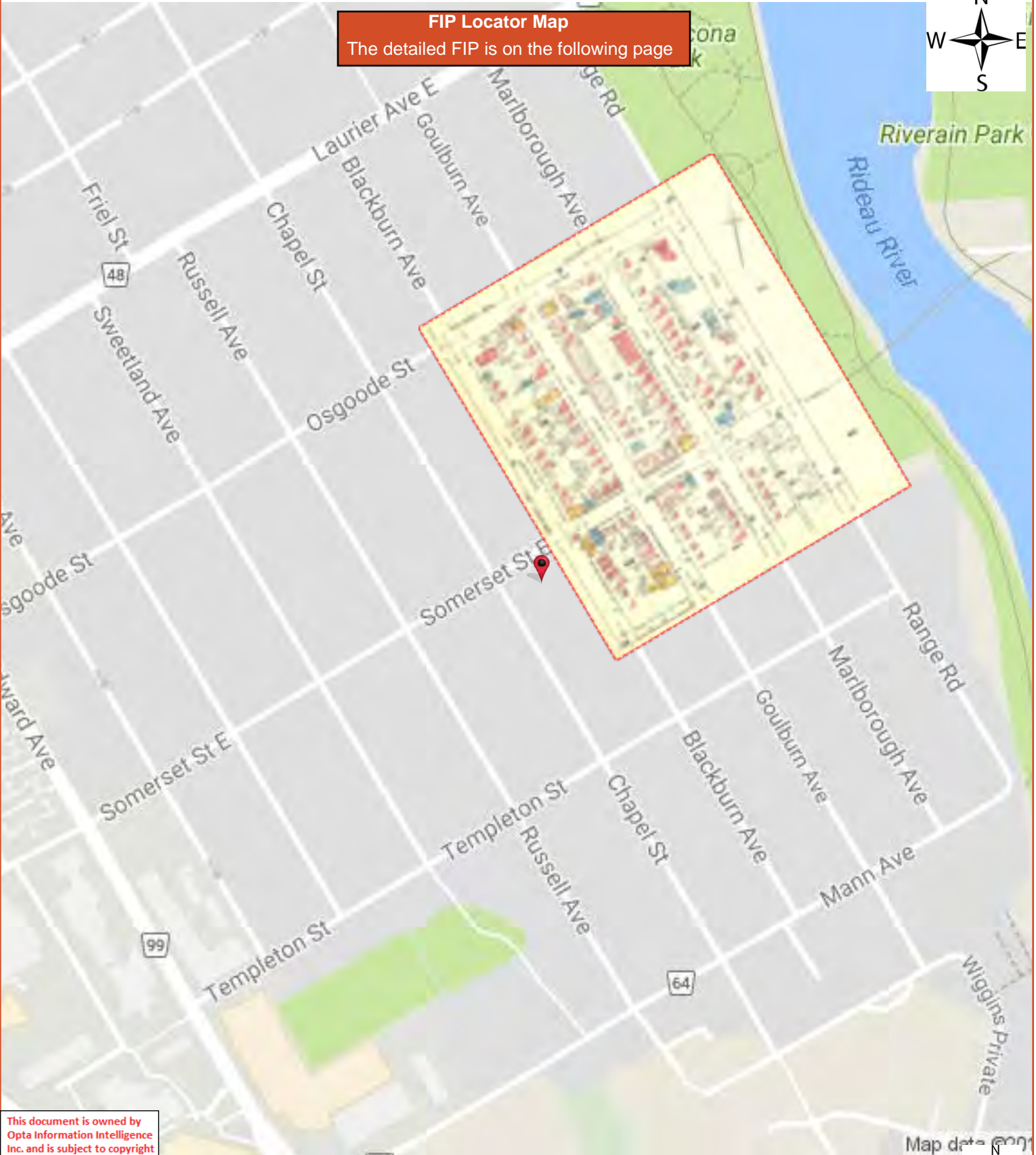




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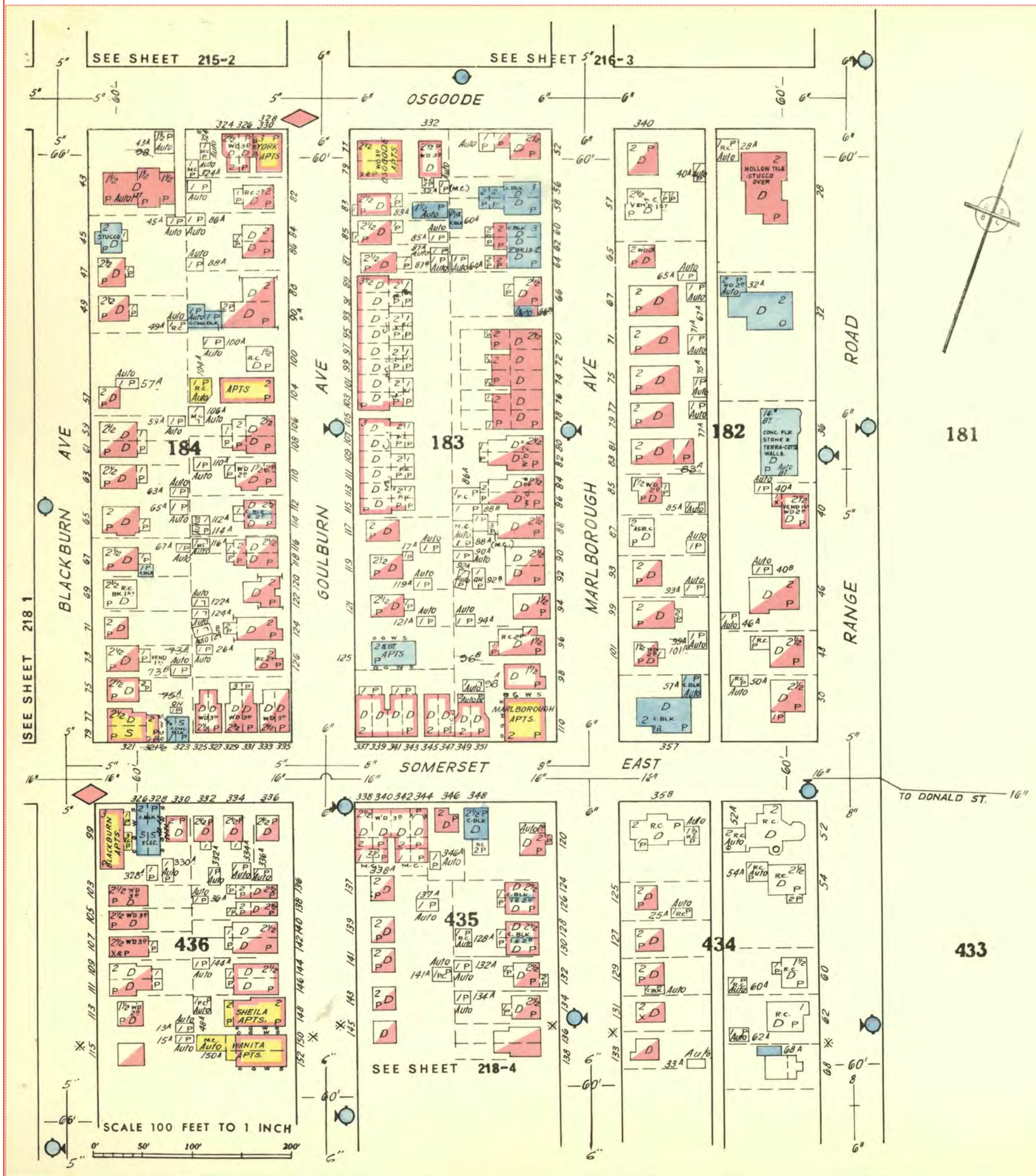




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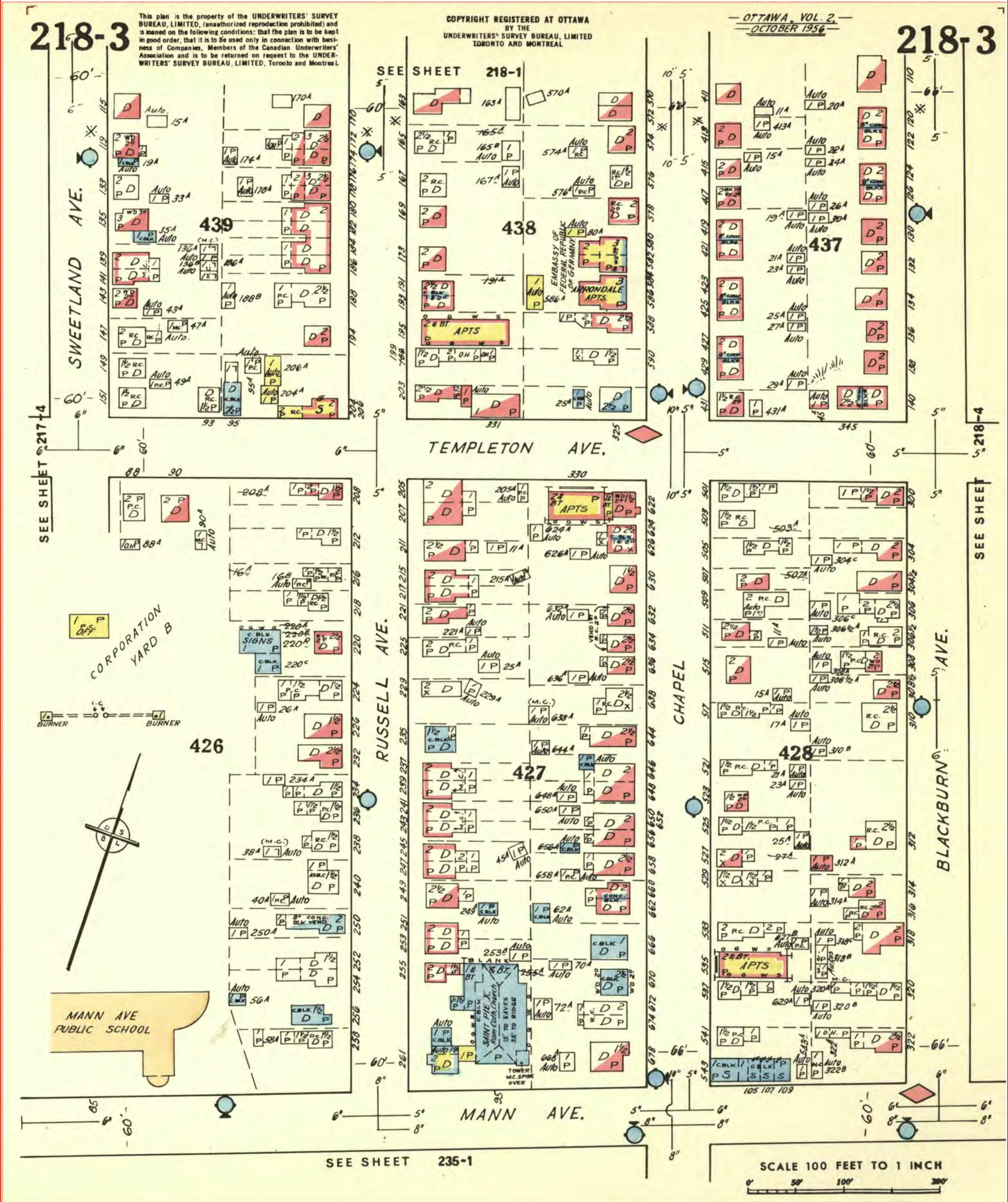
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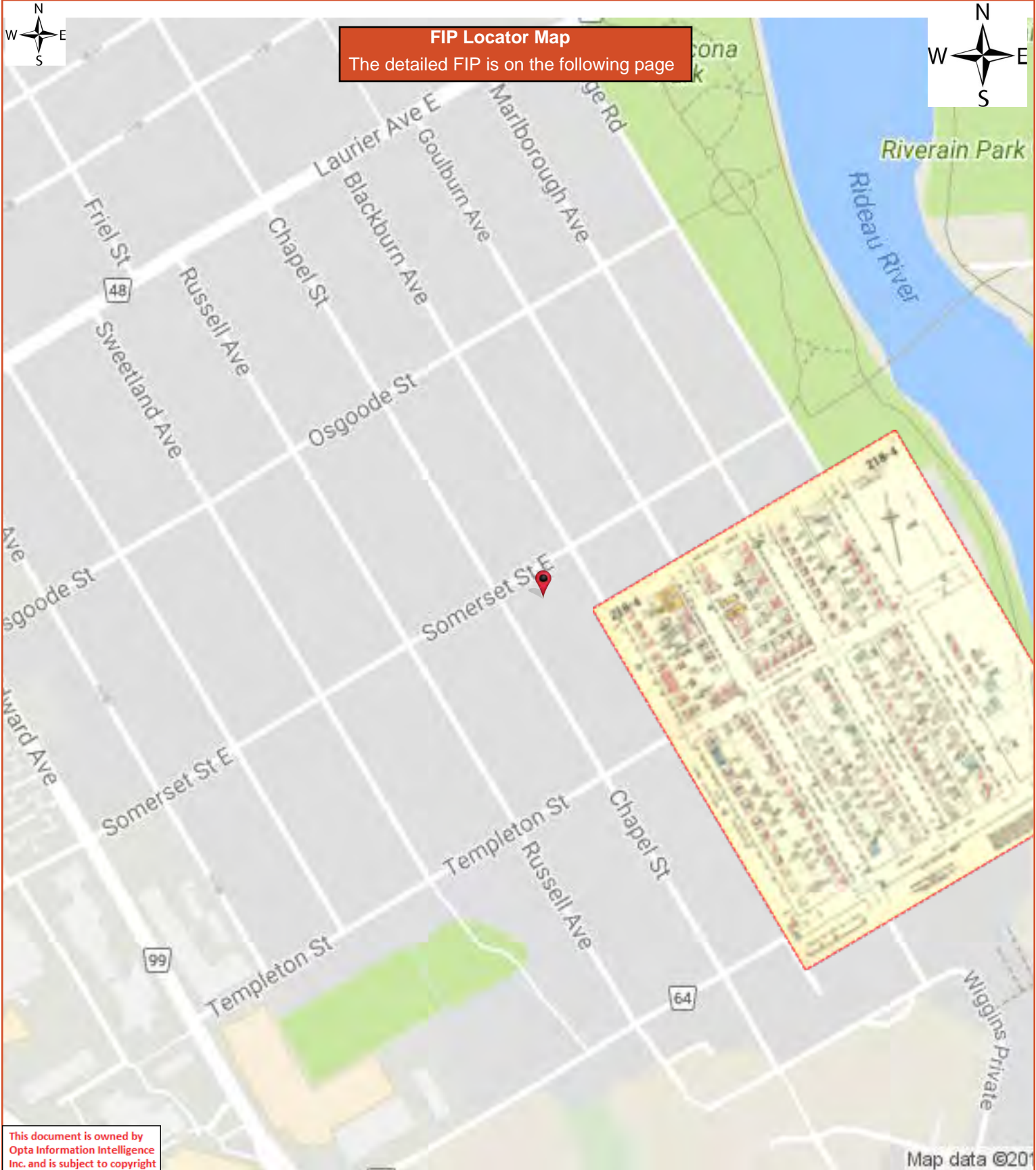
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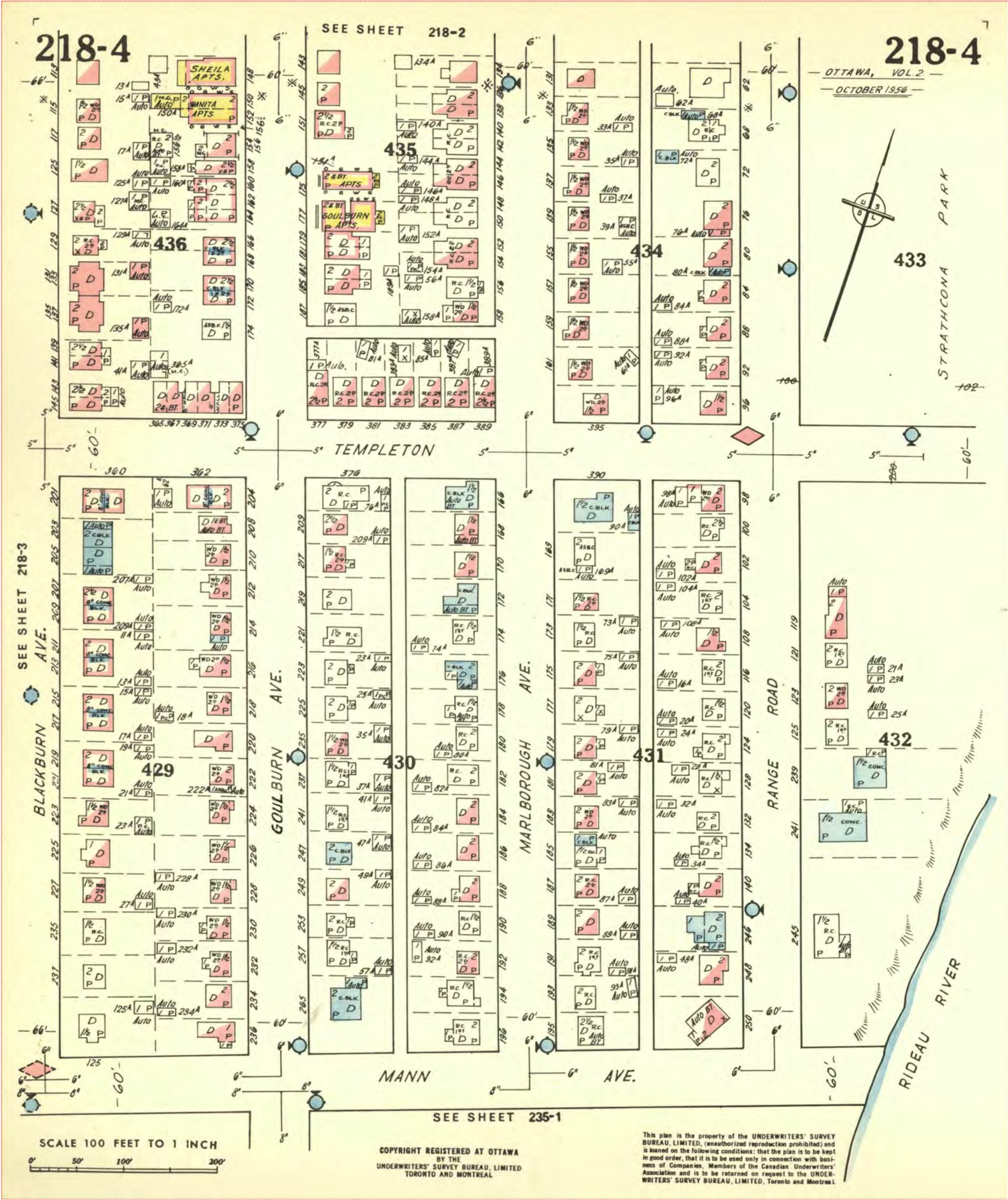


Map data © 2017











City Directory Information Source

OTTAWA - NEPEAN, ONTARIO CRISS CROSS DIRECTORY

PROJECT NUMBER: 20180131095	
Site Address:	296 Somerset Street East, Ottawa, Ontario
Year: 2000	
Site Listing:	-Residential (1 tenant)
Adjacent Properties:	
287 Somerset Street East	-ECLECTIC NOODLE -MICHAELS'S
297 Somerset Street East	-Residential (1 tenant)
300 Somerset Street East	-Residential (2 tenants)
308 Somerset Street East	-Address Not Listed

139 Russell Avenue	-Address Not Listed
--------------------	---------------------

PROJECT NUMBER: 20180131095	
Site Address:	296 Somerset Street East, Ottawa, Ontario
Year: 1996	
Site Listing:	-Residential (1 tenant)
Adjacent Properties:	
287 Somerset Street East	-LOS PANCHOS RESTAURANT -MICHAELS'S
297 Somerset Street East	-Residential (1 tenant)
300 Somerset Street East	-Residential (3 tenants)
308 Somerset Street East	-Address Not Listed
139 Russell Avenue	-Address Not Listed

PROJECT NUMBER: 20180131095	
Site Address:	296 Somerset Street East, Ottawa, Ontario
Year: 1990	

Site Listing:	-Residential (1 tenant)
Adjacent Properties:	
287 Somerset Street East	-Los Panchos Restaurant -Michael's Confectionary
297 Somerset Street East	-Residential (1 tenant)
300 Somerset Street East	-Residential (1 tenant)
308 Somerset Street East	-Floral City and Gift Shop
139 Russell Avenue	-Residential (1 tenant)

PROJECT NUMBER: 20180131095	
Site Address:	296 Somerset Street East, Ottawa, Ontario
Year: 1986	
Site Listing:	-Residential (1 tenant)
Adjacent Properties:	
287 Somerset Street East	-Al Cacciatore Caffè -Top Milk Mart

297 Somerset Street East	-Residential (1 tenant)
300 Somerset Street East	-Residential (1 tenant)
308 Somerset Street East	-Kam Enterprises realty management
139 Russell Avenue	-Vacant

PROJECT NUMBER: 20180131095	
Site Address:	296 Somerset Street East, Ottawa, Ontario
Year: 1980	
Site Listing:	-Residential (1 tenant)
Adjacent Properties:	
287 Somerset Street East	-Johnny Burger and Pizza -Mac's Milk grocery
297 Somerset Street East	-Residential (1 tenant)
300 Somerset Street East	-Residential (2 tenants)
308 Somerset Street East	-Sandy Hill Experience
139 Russell Avenue	-No Return

PROJECT NUMBER: 20180131095	
Site Address:	296 Somerset Street East, Ottawa, Ontario
Year: 1975	
Site Listing:	-Address Not Listed
Adjacent Properties:	
287 Somerset Street East	-Venezia Burger and Pizza -Mac's Milk grocery
297 Somerset Street East	-Residential (1 tenant)
300 Somerset Street East	-Residential (1 tenant)
308 Somerset Street East	-Lemay Eug J variety boutique
139 Russell Avenue	-No Return

PROJECT NUMBER: 20180131095	
Site Address:	296 Somerset Street East, Ottawa, Ontario
Year: 1970	
Site Listing:	-Address Not Listed

Adjacent Properties:	
287 Somerset Street East	-Address Not Listed
297 Somerset Street East	-Residential (1 tenant)
300 Somerset Street East	-Residential (1 tenant)
308 Somerset Street East	-Sandy Hill Used Furniture
139 Russell Avenue	-Residential (1 tenant)

PROJECT NUMBER: 20180131095	
Site Address:	296 Somerset Street East, Ottawa, Ontario
Year: 1965	
Site Listing:	-Residential (1 tenant)
Adjacent Properties:	
287 Somerset Street East	-Address Not Listed
297 Somerset Street East	-Address Not Listed
300 Somerset Street East	-Residential (1 tenant)

308 Somerset Street East	-Address Not Listed
139 Russell Avenue	-Address Not Listed

PROJECT NUMBER: 20180131095	
Site Address:	296 Somerset Street East, Ottawa, Ontario
Year: 1960	
Site Listing:	-Residential (1 tenant)
Adjacent Properties:	
287 Somerset Street East	-Residential (3 tenants) -Russell Clover Farm grocery
297 Somerset Street East	-Residential (1 tenant)
300 Somerset Street East	-Vacant
308 Somerset Street East	-Spic and Span Cleaners
139 Russell Avenue	-Residential (1 tenant)

PROJECT NUMBER: 20180131095	
Site Address:	296 Somerset Street East, Ottawa, Ontario

Year: 1955	
Site Listing:	-Residential (1 tenant)
Adjacent Properties:	
287 Somerset Street East	-Residential (3 tenants) -Russell Food Market
297 Somerset Street East	-Residential (1 tenant)
300 Somerset Street East	-Residential (1 tenant)
308 Somerset Street East	-Blackwell Lyle Ltd cleaners and dyers
139 Russell Avenue	-Residential (1 tenant)

PROJECT NUMBER: 20180131095	
Site Address:	296 Somerset Street East, Ottawa, Ontario
Year: 1950	
Site Listing:	-Residential (2 tenants)
Adjacent Properties:	

287 Somerset Street East	-Residential (3 tenants) -Russell Food Market
297 Somerset Street East	-Residential (1 tenant)
300 Somerset Street East	-Residential (1 tenant)
308 Somerset Street East	-Blackwell Lyle cleaners
139 Russell Avenue	-Residential (1 tenant)

PROJECT NUMBER: 20180131095	
Site Address:	296 Somerset Street East, Ottawa, Ontario
Year: 1945	
Site Listing:	-Residential (1 tenant)
Adjacent Properties:	
287 Somerset Street East	-Residential (4 tenants) -Ray Chas confectionery
297 Somerset Street East	-Residential (1 tenant)
300 Somerset Street East	-Residential (1 tenant)

308 Somerset Street East	-Strathcona Grocery and Butcher Shop
139 Russell Avenue	-Residential (1 tenant)

PROJECT NUMBER: 20180131095	
Site Address:	296 Somerset Street East, Ottawa, Ontario
Year: 1940	
Site Listing:	-Residential (1 tenant)
Adjacent Properties:	
287 Somerset Street East	-Residential (4 tenants) -Kaufman Irving confectionery
297 Somerset Street East	-Residential (1 tenant)
300 Somerset Street East	-Residential (1 tenant)
308 Somerset Street East	-Torontow Louis grocery and butcher
139 Russell Avenue	-Residential (1 tenant)

PROJECT NUMBER: 20180131095	
Site Address:	296 Somerset Street East, Ottawa, Ontario

Year: 1935	
Site Listing:	-Residential (1 tenant)
Adjacent Properties:	
287 Somerset Street East	-Residential (3 tenants) -Kaufman Irving confectionery
297 Somerset Street East	-Residential (1 tenant)
300 Somerset Street East	-Residential (1 tenant)
308 Somerset Street East	-Residential (1 tenant)
139 Russell Avenue	-Residential (2 tenants)

PROJECT NUMBER: 20180131095	
Site Address:	296 Somerset Street East, Ottawa, Ontario
Year: 1930	
Site Listing:	-Residential (1 tenant)
Adjacent Properties:	
287 Somerset Street East	-Residential (3 tenants)

	-Ryan Drug Store
297 Somerset Street East	-Residential (1 tenant)
300 Somerset Street East	-Residential (1 tenant)
308 Somerset Street East	-Torontow L butcher
139 Russell Avenue	-Residential (1 tenant)

PROJECT NUMBER: 20180131095	
Site Address:	296 Somerset Street East, Ottawa, Ontario
Year: 1924	
Site Listing:	-Address Not Listed
Adjacent Properties:	
287 Somerset Street East	-Residential (2 tenants) -Murphy Arthur J druggist
297 Somerset Street East	-Residential (1 tenant)
300 Somerset Street East	-Residential (1 tenant)
308 Somerset Street East	-Torontow Louis butcher

139 Russell Avenue	-Residential (1 tenant)

PROJECT NUMBER: 20180131095	
Site Address:	296 Somerset Street East, Ottawa, Ontario
Year: 1920	
Site Listing:	-Address Not Listed
Adjacent Properties:	
287 Somerset Street East	-Residential (2 tenants) -Fagan Isaac grocery
297 Somerset Street East	-Residential (1 tenant)
300 Somerset Street East	-Residential (1 tenant)
308 Somerset Street East	-Nash David butcher
139 Russell Avenue	-Residential (1 tenant)

PROJECT NUMBER: 20180131095	
Site Address:	296 Somerset Street East, Ottawa, Ontario
Year: 1915	

Site Listing:	-Address Not Listed
Adjacent Properties:	
287 Somerset Street East	-Address Not Listed
297 Somerset Street East	-Residential (1 tenant)
300 Somerset Street East	-Address Not Listed
308 Somerset Street East	-Address Not Listed
139 Russell Avenue	-Residential (1 tenant)

PROJECT NUMBER: 20180131095	
Site Address:	296 Somerset Street East, Ottawa, Ontario
Year: 1910	
Site Listing:	-Address Not Listed
Adjacent Properties:	
287 Somerset Street East	-Address Not Listed
297 Somerset Street East	-Address Not Listed

300 Somerset Street East	-Address Not Listed
308 Somerset Street East	-Address Not Listed
139 Russell Avenue	-Address Not Listed

-All listings for businesses were listed as they are in the city directory.

-Listings that are residential are listed as "residential" with the number of tenants. The name of the residential tenant is not listed in the above city directory

APPENDIX C

Correspondence

Freedom of Information Request

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

Requester Data			For Ministry Use Only	
Name, Company Name, Mailing Address and Email Address of Requester			FOI Request No.	Date Request Received
Email address: j.bowman@mcintoshperry.com			Fee Paid	
			<input type="checkbox"/> ACCT <input type="checkbox"/> CHQ <input type="checkbox"/> VISA/MC <input type="checkbox"/> CASH	
Telephone/Fax Nos. (613) 836-2184 Tel. ext. 2280 Fax (613) 836-3742	Your Project/Reference No. OCP-18-0041	Signature/Print /Name of Requester	<input type="checkbox"/> CNR <input type="checkbox"/> ER <input type="checkbox"/> NOR <input type="checkbox"/> SWR <input type="checkbox"/> WCR <input type="checkbox"/> SAC <input type="checkbox"/> IEB <input type="checkbox"/> EAA <input type="checkbox"/> EMR <input type="checkbox"/> SWA	
Request Parameters				
Municipal Address / Lot, Concession, Geographic Township (Municipal address essential for cities, towns or regions)				
296 Somerset St E, Ottawa, ON				
Present Property Owner(s) and Date(s) of Ownership				
Various				
Previous Property Owner(s) and Date(s) of Ownership				
Residential				
Present/Previous Tenant(s), (if applicable)				
Search Parameters			Specify Year(s) Requested	
<i>Files older than 2 years may require \$60.00 retrieval cost. There is no guarantee that records responsive to your request will be located.</i>				
Environmental concerns (General correspondence, occurrence reports, abatement)			1986-2017	
Orders			1986-2017	
Spills			1986-2017	
Investigations/prosecutions ➤ Owner AND tenant information must be provided			1986-2017	
Waste Generator number/classes			1986-2017	
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, reports, etc.				
	SD	Specify Year(s) Requested		
air - emissions		1986-2017		
water - mains, treatment, ground level, standpipes & elevated storage, pumping stations (local & booster)		1986-2017		
sewage - sanitary, storm, treatment, stormwater, leachate & leachate treatment & sewage pump stations		1986-2017		
waste water - industrial discharges		1986-2017		
waste sites - disposal, landfill sites, transfer stations, processing sites, incinerator sites		1986-2017		
waste systems - PCB destruction, mobile waste processing units, haulers: sewage, non-hazardous & hazardous waste		1986-2017		
pesticides - licenses		1986-2017		

A \$5.00 non-refundable application fee, payable to the Minister of Finance, is mandatory. The cost of locating on-site and/or preparing any record is \$30.00/hour and 20 cents/page for photocopying and you will be contacted for approval for fees in excess of \$30.00.

Jordan Bowman

From: Jordan Bowman
Sent: January-31-18 1:09 PM
To: publicinformationsservices@tssa.org
Subject: 296 Somerset St E - environmental records

Hello,

We are completing a Phase ONE Environmental Site Assessment at 296 Somerset St E, Ottawa, ON. We are inquiring whether the TSSA has any environmental-related records pertaining to the site.

Thank you,

Jordan

APPENDIX D

Aerial Photographs





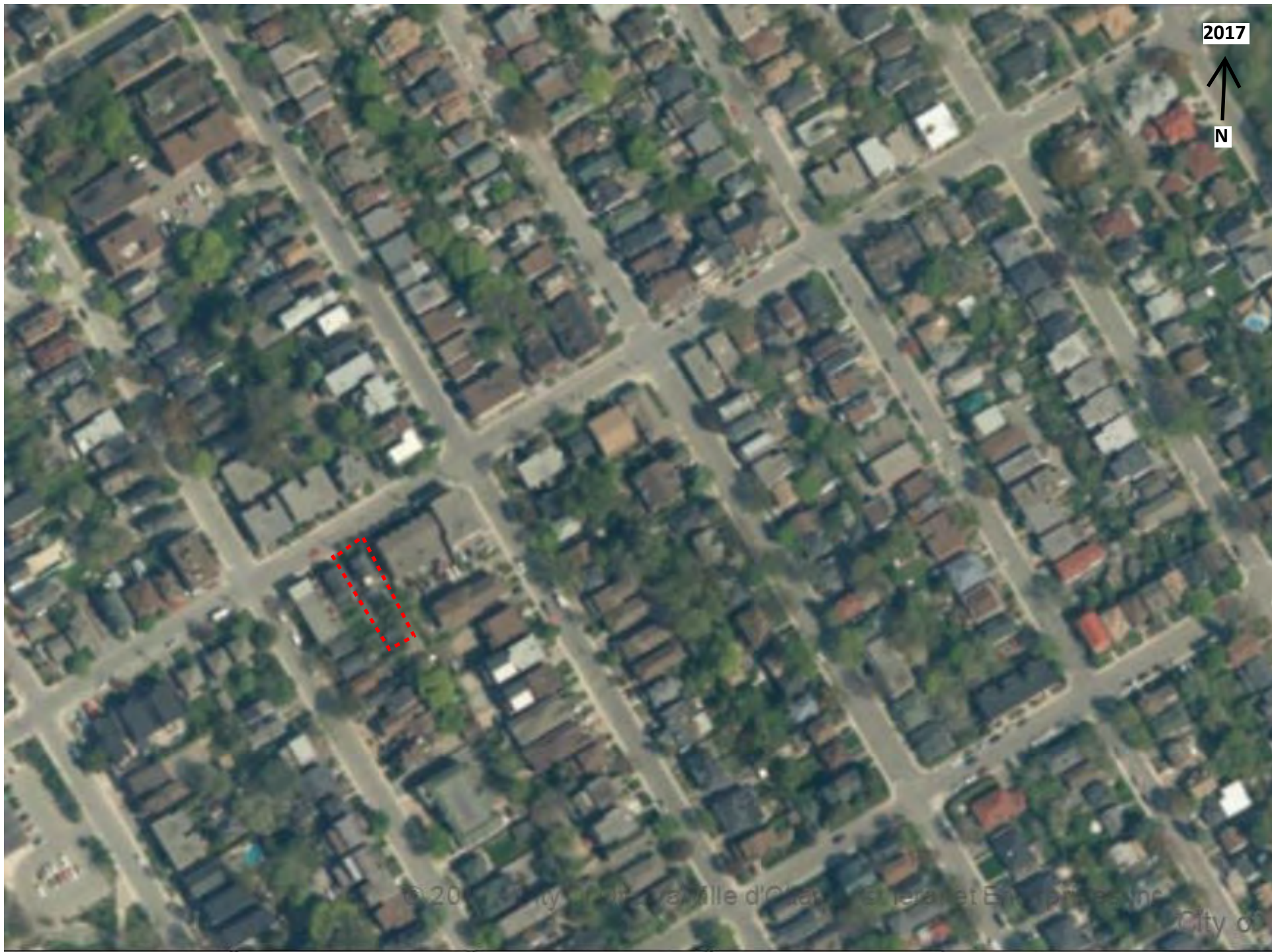






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2017



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City of

APPENDIX E

Interview Records

SEE INTERVIEW SECTION IN TEXT

Phase I ESA Interviews

Interviewer (MPCE): J BowmanInterviewee: Dan Boulanger

Relationship to Subject Property: Potential Purchaser

Time Associated with Property: <1 year

Date: 02-March-2018

Potential Item of Concern	Interview Comments
Accidents/Spills	
Previous Use of Site	
Adjacent Properties	
Fuel Handling/Storage	
Maintenance/Operati onal Areas	
Hazardous Materials Storage	
Salt Storage	

Potential Item of Concern	Interview Comments
Fuel Storage Tanks	
Odours	
Potable Water	
Septic and Wastewater Discharges	
Pesticides	
Mould	
Heating and Cooling Systems	
Major Mechanical Equipment	
Waste Oils, Solvents, Batteries	
PCBs	
Asbestos	
Lead Paint	

Potential Item of Concern	Interview Comments
ODS	
Electromagnetic Radiation	
UFFI	
Mercury	
Radon Gas	
Soil and Groundwater Conditions	
Wells	
Waste Disposal and Recycling	
Fill Material	
Other	

Future use of property: Mixed residential (four units) and local commercial.

APPENDIX F

Site Photographs



Photo 1: Exterior of Site



Photo 2: View along northeast side of Site, looking southeast down driveway



Photo 3: Northeast side of Site, view of rear side entrance to house



Photo 4: Northeast side of Site, looking northwest up driveway



Photo 5: Shed in back of Site, looking southeast



Photo 6: Front porch of house



Photo 7: View of front steps, sidewalk, and Somerset St E from Site, looking northwest



Photo 8: View of Site with newly placed survey BM in foreground, looking east



Photo 9: First floor, main entrance



Photo 10: First floor, entrance hallway to kitchen



Photo 11: First floor, kitchen with stairs leading to side entrance and basement



Photo 12: First floor, fireplace (unused) in living room

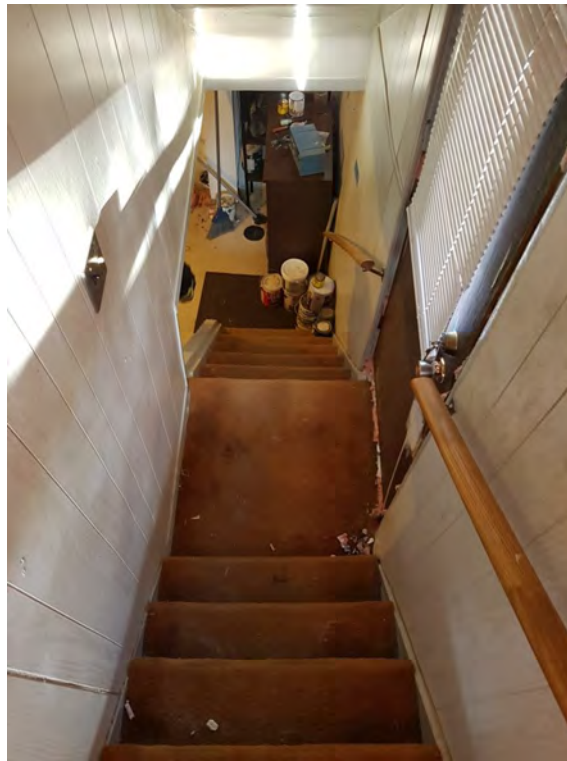


Photo 13: Basement stairs



Photo 14: Basement, wine-making equipment and various tools



Photo 15: Basement, typical piping



Photo 16: Basement bathroom, mould-like substances on tiles



Photo 17: Basement furnace room, typical piping with air vents in background



Photo 18: Basement furnace room, typical ductwork



Photo 19: Basement furnace room, ash cleanout with cracks in wall



Photo 20: Basement, view of electrical panel



Photo 21: Upper level, damage to wall in bedroom

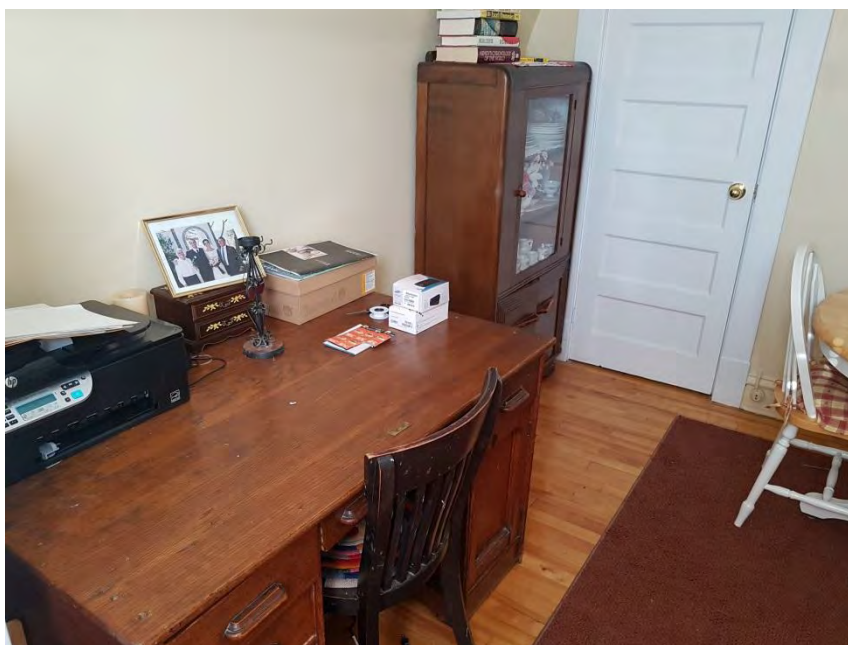


Photo 22: Upper level, office space in in-law suite



Photo 23: Upper level, in-law suite

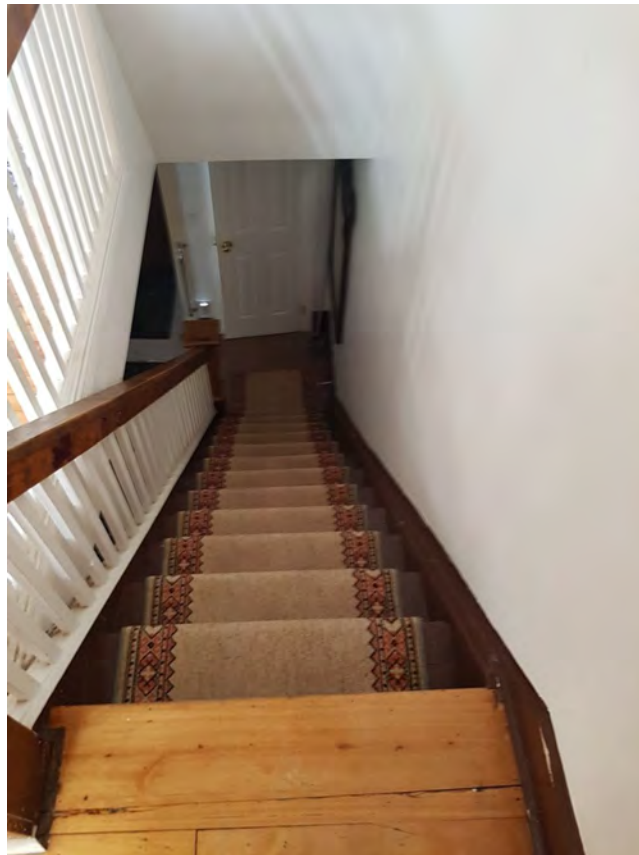


Photo 24: Upper level, stairs leading to main level



Photo 25: Exterior of Site, landscaping equipment



Photo 26: Interior or garage



Photo 27: Entrance to garage in rear of Site, looking southeast



Photo 28: Landscaping equipment and furniture in garage