

PHASE ONE ENVIRONMENTAL SITE ASSESSMENT 105 AND 109 HENDERSON AVENUE, OTTAWA, ON



Project No.: OCP-17-0638

Prepared for:

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McINTOSH PERRY

Executive Summary

McIntosh Perry Consulting Engineers Ltd. (McIntosh Perry) was retained by TC United to conduct a Phase One Environmental Site Assessment (ESA) for the properties located at 105 and 109 Henderson Ave., in Ottawa Ontario (the 'Site'). The Site consists of two single family, 2-storey residential dwellings, both of which are currently occupied.

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 an additional residential building behind the existing on-site buildings.

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 between 1895 and 1900 with the two present-day residential dwellings, with the exceptions of additions on the back of the houses. Prior to this time, no information is available.

No Potentially Contaminating Activities (PCAs) were identified on the Site.

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

- 113 Henderson Ave - Active Hydro Ottawa Power substation (Based on the assumed existence of on-going monitoring for both machine maintenance and environmental release by Hydro Ottawa, this is not considered to result in an APEC at the Site).
- Intersection of King Edward Ave and Thomas More Pvt./Osgoode St – 2 Ontario Spill Records (Unknown amount of hydraulic fluid & 40 minute natural gas leak)
- Intersection of King Edward Ave and Somerset Street East – Ontario Spill Record (200L diesel fuel)
- 631 King Edward Ave – O.Reg 347 Waste Generator (photoprocessing waste)
- 119 Osgoode Street - O.Reg 347 Waste Generator (PCBs)
- 55 Sweetland Ave – O.Reg 347 Waste Generator (light fuels)
- 555 King Edward Ave – O.Reg 347 Waste Generator (pathological waste)
- 218 Laurier Avenue East – dry cleaning facility

Based on the nature of these records and their separation distance from the Site, these off-site PCAs are not considered to result in APECs at the Site.

A Phase 2 ESA is not required as no on-site APECs were identified and the Site is not being developed to a more sensitive land use.

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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 parcels located at 105 and 109 Henderson Ave. in Ottawa, Ontario (collectively, the 'Site'). The Site is bounded to the north and east by residential dwellings, to the west by Henderson Ave., and south by 113 Henderson Ave (power substation). The Site currently consists of two similarly built single family residential buildings. The dwellings are currently occupied.

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 an additional residential dwelling on behind the current buildings.

The Site location is shown on Figure 1 (Site Location). The Site layout and features, including on-site land use, are shown on Figure 2 (Site Layout).

The intended future use of the Site will remain 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 0.065 hectares (ha).

1.1.1 Property Identification

The legal description of the Site is as follows;

105 Henderson Ave. - Plan 37221 Lot 13. PIN 042090119

109 Henderson Ave. - Plan 37221 Lot 14. PIN 042090120

1.1.2 Property Ownership and Contact Details

McIntosh Perry was retained to complete this Phase I ESA by TC United Group. The owner of the properties is Michael McGinn, who retained TCU to obtain approval for the redevelopment of the Site. McIntosh Perry's site contact person for the Site is Daniel Boulanger, Director of Planning & Consulting at TCU. Mr. Boulanger can be contacted at dan.boulanger@tcunitedgroup.com.

1.1.3 Current and Proposed Future Uses

The Site is currently used for residential purposes. It is noted that both properties are currently occupied. The future use of the Site is to remain residential, with the addition of a low-rise apartment building behind the current structures.

1.2 Surrounding Land Use

Land use in the vicinity of the Site is largely residential, although commercial, community, parkland, schools, 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 subject property 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 1 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 two, single family, 2-storey residential houses (105 and 109 Henderson Ave.).

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 1895 and 1900. No information is available prior to development.

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 were constructed at the time of preparation of the FIPs. The FIPs did show a detached garage in the south east corner of 109 Henderson Ave. that was not present during the site visit (possibly having been moved to the present-day location of the shed). The FIPs did not identify any environmental concerns at the Site or in the Study Area. 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 1895, before the first developed use of the Site. City directory search records are provided in Appendix B.

Based on the directories, the Site (105 & 109 Henderson Ave) was first listed as a residential dwelling in 1900. Between 1900 and the most recent directory listing (2011), the Site is listed as occupied by residential tenants. 109 Henderson was not listed in City directories between 2005 and 2011.

City directories for surrounding properties did not identify any Potentially Contaminating Activities.

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:

- Eight (8) Boreholes records
- Five (5) Certificates of Approvals
- Four (4) Environmental Compliance Approvals
- Seventeen (17) ERIS Historical Searches
- Ten (10) Ontario Regulation 347 Waste Generator records
- Two (2) TSSA Historic Incidents
- Three (3) TSSA Incident
- Three (3) National PCB Inventory
- Three (3) TSSA Pipeline Incidents

- Five (5) Ontario Spill records

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

Boreholes

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

Table 1: Borehole Records

Borehole ID	Location relative to site	Completion Depth (m bgs)	Depth to Bedrock (m bgs)
808836	130.3 m West	9.3	N/A
613459	151.3 m West	13.9	13.9
803759	197.5 m East Southeast	5	3.4
613463	202.8 m West	14.7	13.1
613421	204.0 m South	19.3	16.6
613430	206.9 m Southwest	16.5	13.4
806992	221.1 m South Southwest	58.2	16.8
803762	233.1 m East Southeast	2	N/A

The average completion depth of the boreholes is 17.36 m bgs, with bedrock found at an average depth of 12.87 m bgs, where encountered. Locations of the boreholes can be found in the EcoLog ERIS report in Appendix A.

Certificates of Approval

Five Certificates of Approval records were found within 250m of the subject site. No records were found for the subject property. Certificates of Approval records are summarized in the table below:

Table 2: Certificate of Approval Records

Certificate Number	Company	Location	Approval Type	Approval Year
3-0434-98	Ottawa City	Osgoode St/King Edward Ave	Municipal Sewage	1998
7-0277-98	R.M of Ottawa-Carleton	Osgoode St/King Edward Ave.	Municipal Water	1998
7-0780-96	R.M of Ottawa-Carleton	Somerset St./Nelson St.	Municipal Water	1996
6722-7BSL6V	City of Ottawa	250 Somerset St. East	Air	2008

Certificate Number	Company	Location	Approval Type	Approval Year
3690-5VGTYM	University of Ottawa	20 Marie Curie	Air	2004

Copies of found C of A documents are located in Appendix B.

Environmental Compliance Approval

Four Environmental Compliance Approval records were found within 250 m of the subject site. No records were found for the subject property. Certificates of Approval records are summarized in the table below:

Table 3: Environmental Compliance Records

Approval Number	Company	Location	Approval Type	Approval Year/s
2216-A77NFC	8550107 Canada Inc	149 Henderson Ave	Municipal and Private Sewage Works	2016-03-10
2328-5B9JEF	City of Ottawa	Blackburn Ave. & Chapel St.	Municipal and Private Water Works	2002-06-19
0963-5B9HS6	City of Ottawa	Blackburn Ave. & Chapel St.	Municipal and Private Sewage Works	2002-06-19
6360-79LKH7	Nelson Place Apartments Inc.	305 Nelson St.	Air	2007-12-05

These records are not considered to represent a APECs with respect to the Site. Copies of found ECA documents are located in Appendix B.

Historical ERIS Searches

Seventeen ERIS Historical searches were listed within 250 m of the subject property. No searches were found on the subject property. The searches are summarized in the Table below:

Table 4: ERIS Historical Searches

Report Type	Location	Date
Custom Report	103 Henderson Ave	06-Mar-14
Standard Select Report	406-410 Nelson Street	12/19/2011
Custom Report	136 Osgoode St	22-Oct-15
Standard Report	395, 397, 399, 403 Nelson St	5/22/2012
Custom Report	138, 140, 142, 144 Osgoode St	3/13/2012
Standard Select Report	393 Nelson Street	04-Jun-13
Standard Report	132 Henderson Ave	27-Nov-13
Custom Report	411 Nelson Street	14-Dec-15

Report Type	Location	Date
Custom Report	421 Nelson Street	04-Jul-13
Custom Report	149 Henderson Ave	19-Apr-16
Waste Disposal Site Report	146-170 Osgoode Street	7/24/2007
Custom Report	146-170 Osgoode Street	6/17/2011
Complete Report	250 Somerset Street East	4/4/2008
Custom Report	75 Laurier Ave East	07-Jun-13
Custom report	173 Henderson Ave	23-Oct-15
Custom Report	145 Jean Jacques Lussier Private	19-Jan-15
Custom Report	60 Russell Ave	27-Jun-12

Ontario Regulation 347 Waste Generators

Ten Ontario Regulation 347 Waste Generators were found within 250 m of the subject property, however no records were found for the Site. Of the ten waste generator records there were only four locations with multiple years of approval. These records are summarized in Table below:

Table 5: Ontario Regulation 347 Waste Generator Records

Company	Address	Waste Description	Approval Years
University of Ottawa	631 King Edward Ave	Photoprocessing Wastes	1992-2001
Franco Jeunesse Ecole Publique	119 Osgoode Steet	PCBs	1993-1998
Greg Statler	55 Sweetland Ave	Light Fuels	2002-2004
University Of Ottawa	555 King Edward Ave	Pathological Wastes	1993-2001

Due to distance from site and nature of the waste, none of these records are considered to represent an APEC for the Site. Locations of all Ontario regulation 347 waste generators can be found in the Ecolog ERIS report in Appendix A.

TSSA Historic Incidents

Two Historical TSSA incidents were found within 250m of the subject property. No records were found for the Site. TSSA Historical Incidents are summarized in the Table below:

Table 6: TSSA Historic Incident Records

Location	Fuel Type	Incident Description	Date
191 Somerset Street East	Natural Gas	Pipeline Strike	10/25/2007
250 Somerset Street East	Natural Gas	Pipeline Strike	5/14/2008

Due to distance from site and nature of the incidents, none of these records are considered to represent APECs for the Site. TSSA incidents can be found in the Ecolog ERIS report in Appendix A.

TSSA Incidents

There were no TSSA Incidents on the subject property. Three TSSA incident was found within 250m of the subject property.

Table 7: TSSA Incident Records

Location	Fuel Type	Incident Description	Date
122 Osgoode Street	Fuel Oil	Discovery of petroleum product on concrete floor. No environmental impact noted.	2010/03/03
359 Nelson Street	Propane (gas)	Gas leak from propane tank. No environmental impact noted.	2013/01/26
39 Henderson Ave	Natural Gas	Carbon monoxide released into building with levels measured at 144ppm CO. No environmental concern noted.	2015/12/17

Due to their separation distance from the Site and the nature of the incidents, none of these records are considered to represent APECs for the Site. Locations of the TSSA incidents can be found in the Ecolog ERIS report in Appendix A.

National PCB Inventory

Three National PCB Inventory records were found within 250m of the subject property. No records were found for the Site. The three records were for a single property at 100 Thomas More Street which is registered to the University of Ottawa. The records refer to 409.5L Askarel transformer (PCB transformer) stored in the basement of the property. Last record was from 1999 and the transformer was still in-use.

Due to distance from site, this record is not considered to represent an APEC for the Site.

TSSA Pipeline Incidents

Three TSSA pipeline incidents were found within 250m of the subject property, no records were found for the subject property. The Table below summarizes the TSSA Pipeline Incidents:

Table 8: TSSA Pipeline Incident Records

Location	Fuel Type	Incident Description	Date
99 Henderson Ave	Natural Gas	½" pipeline hit. Environmental impact not noted	2014/01/15
149 Henderson Ave	Natural gas	1" pipeline hit. Environmental impact not noted	2016/09/30
139 Henderson Ave	Natural gas	½" pipeline hit. Environmental impact not noted	2013/11/25

Due to distance from site and nature of the fuel none of these records are considered to represent APECs for the Site. Locations of the TSSA pipeline incidents can be found in the Ecolog ERIS report in Appendix A.

Ontario Spills

Five Ontario spill records were found within 250m of the subject property. No records were found for the subject property. The Table below summarizes the spill records:

Table 9: Ontario Spill Records

Location	Contaminant	Incident	Impacts	Date
120 Osgoode Street	1 L Furnace Oil	Tank Truck hose/pipe leak to ground during filling	Not anticipated	10/01/1991
Thomas More & King Edward Ave	Hydraulic Oil	Unknown amount leaked from pipe/hose leak to road and catch basin	Possible impact to land and water. Incident was cleaned up.	6/10/1995
King Edward & Osgoode	Natural Gas	40 min of natural gas release to air from contractor striking underground pipe.	Not anticipated	6/27/1996
King Edward Ave & Somerset Street East	Diesel Fuel	200 L of diesel fuel spilled to land/surface water from collision/accident	Environmental impact not noted, however incident was contained and cleaned	2016/02/01
63 Sweetland Ave	Natural Gas (methane)	1-1/4" line strike	Air pollution confirmed	15/SEP/12

Due to their separation distance from the Site and the nature of the contaminants, none of these records are considered to represent APECs for the Site. Locations of the spills can be found in the Ecolog ERIS report in Appendix A.

3.2.3 MECP Freedom of Information Request and Index Report

In order to identify any previous environmental reports concerning the Site, an MOECC freedom of information (FOI) request and an MECP Index Review request was submitted for the Site. On January 2, 2018, MPCE received a response from the MECP indicating that no records were available for the Site.

The FOI search request includes searches of the following; the Ottawa District Index Record of Active Orders under the Environmental Protection Act, Ontario Water Recourses Act and Pesticides Act, Index Review of Commercial/Industrial/Agricultural approvals for Air, Waste Management, Water and Municipal and Private Industrial Sewage. Additionally, the FOI is submitted to the MECP for environmental concerns, orders, spills, investigations/prosecutions, waste generator number/classes, certificates of approvals for air emissions, water, sewage, waste water, waste sites, waste systems and pesticides.

Accordingly, any records in reference to MECP Instruments (PTTW), MECP Waste Management Records, and MECP Submissions would have been discovered upon the search process and therefore did not yield any significant results

A copy of the MECP correspondence is provided in Appendix C.

3.2.4 TSSA Information Request

An FOI request was also submitted to the Technical Standards and Safety Authority (TSSA). A response was received on January 2, 2018 indicating that no records were available for the Site.

A copy of the TSSA correspondence is provided in Appendix C.

3.2.5 Historic Land Use Inventory Request

A Historic Land Use Inventory (HLUI) request was submitted to the City of Ottawa in June 2019. The HLUI revealed historic land uses for multiple properties located within 500 metres of the property area. Of particular importance to this Phase One ESA is a record for a current laundromat and dry-cleaning facility located at 218 Laurier Avenue East ('Betty Brite Cleaners'), located approximately 270 metres north of the property area. This facility has operated since 1960. Based on this record, there is potential for subsurface impacts associated with this historic and current land use.

3.2.6 Former City of Ottawa Industrial Sites

McIntosh Perry has reviewed a report compiled by Intera Technologies Ltd., completed in July of 1988 in order to identify any former industrial sites in proximity to or on the Phase One property. After a search of the report, no former industrial sites were revealed within or surrounding the Phase One Area.

3.2.7 Environmental Brownfields Search

McIntosh Perry has reviewed the MECP Records of Site Condition and Transition Notices for RSCs and TRNs filed between October 1, 2004 and June 30, 2011 and MECP Records of Site Condition filed since July 1, 2011. The review of these databases indicated no records for the Site.

4.0 PHYSICAL SETTING

4.1 Aerial Photographs and Satellite Images

Table 10 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 10: Current and Historical Land Use from Aerial Photographs and Satellite Images

Date	Roll #	Observations
1928	GeoOttawa	The Site is occupied by 2 buildings interpreted to be the present-day residential buildings. Due to the quality of the air photo it is difficult to determine uses. The Study area is mainly residential buildings.
1958	GeoOttawa	The Site contains 2 buildings that resemble the current structures onsite today. Behind 109 Henderson in a small garage/shed. The study area remains relatively unchanged from 1928 with the majority of the building being sing family homes. There is increased density of buildings to the north west of the site.
1965	GeoOttawa	The Site remains relatively unchanged from previous photo. The building directly to the south of 109 Henderson has changed to the present day hydro sub-station between 1958 and 1965. An addition has been added to the residence to the immediate northwest of 105 Henderson since 1958.
1991	GeoOttawa	The Site is relatively unchanged, except that the garage/shed that was behind 109 Henderson is not present and a new shed has been built in the north corner of 109 Henderson. Judging by its size, this could also be the garage/shed from previous years moved to a new location. The Study area remains relatively unchanged.
2007	GeoOttawa	The Site remains relatively unchanged since 1991
2017	GeoOttawa	The Site remains relatively unchanged since 2007

Based on the aerial photos, no past or current PCAs were identified on the Site or surrounding properties.

4.2 Topography

Elevation at the Site ranges from approximately 69-70 m above sea level (m asl). The topography is generally flat with 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 750 m northeast of the Site, at its closest point. Site drainage consists primarily of sheet flow to catch basins along Henderson Ave, 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 Older alluvial deposits, consisting of clay, silt, sand, gravel and organic material. (OGS, 2017).

McIntosh Perry conducted a geotechnical investigation on the subject property on January 31, 2018. Two boreholes were completed on Site. The location for these boreholes are provided on Figure 7. Surficial geology observed during the geotechnical investigation consisted primarily of a thin layer of topsoil (6-12") underlain by fill and/or reworked native material consisting of sand, silty sand and trace amounts of gravel, underlain by silty clay. Trace coal fragments were observed in one borehole. No staining or odours were observed.

4.4.2 Bedrock Geology

Geological maps of the area identify the bedrock under the Site as predominantly shale, limestone, dolostone, or siltstone of the Georgian Bay Formation (OGS, 2017).

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 east towards the Rideau River. The geotechnical investigation completed by McIntosh Perry identifies the presence of groundwater at approximately 3.1 m below existing grade in both of the boreholes.

4.6 Fill Materials

The Site visit, analysis of the aerial photos, and review of geotechnical borehole logs indicate that fill is present at the Site. However, no large amounts of fill were used on or around the Site, and fill material appears to have been imported for grading purposes concurrently with site development.

Fill material of unknown quality, including trace coal fragments and possible mortar or ash, were observed in one borehole. A slight organic odour was observed. While this material is not considered to represent a significant environmental concern to the Site, it should be characterized prior to off-site disposal if it will be removed from the Site concurrently with redevelopment.

4.7 Water Bodies and Areas of Natural Significance

The closest permanent waterbody is the Rideau Canal (located 450m southwest of the Site, at 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). No records were found within the Study Area.

5.0 INTERVIEWS

McIntosh Perry personnel conducted an interview with Michael McGinn, Property Owner, 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	None
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	No, but building was heated by oil previously
Odours	None
Potable Water	City Service
Septic and Wastewater Discharges	City Service
Pesticides	None
Mould	None
Heating and Cooling Systems	Furnace for 5 years, oil heater prior to that
Major Mechanical Equipment	None
Waste Oils, Solvents, Batteries	None
PCBs	None
Asbestos	None
Lead Paint	Not in last 20 years
ODS	None
Electromagnetic Radiation	None
UFFI	None
Mercury	None
Radon Gas	None
Soil and Groundwater Conditions	No Knowledge
Wells	None
Waste Disposal and Recycling	City Service
Fill Material	No, but downstairs windows are covered with earth
Other	No

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 January 9, 2018 (from approximately 10:00am to 11:30am). Bradley Sutherland of McIntosh Perry inspected all common areas and basements of the Site, and observed other properties in the Study Area from publicly accessible locations.

6.1.1 *Qualifications of the Assessors*

Field assessment for this report was undertaken by Bradley Sutherland, B.Sc. of McIntosh Perry. Bradley has successfully completed numerous Phase One ESAs for various clients in Ontario. Reporting was completed by Bradley Sutherland, B.Sc., and Daniel Arnott, P.Eng. Daniel 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 -6 degrees Celsius, with no wind. Extensive snow-cover was present at the time of site visit.

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

The Site is currently used for residential purposes. The structures at 105 & 109 Henderson Ave. are currently occupied. 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 used for residential purposes, and consists of two residential single family buildings, two backyards, and two driveways. The Site is zoned as Residential Fourth Density, per section 161-162 the City of Ottawa Zoning By-law. A scaled R-Plan is provided as Figure 8.

6.2.2 Phase One Study Area

The Study Area consists of many residential dwellings, low density commercial developments, a French public school, parts of the University of Ottawa and 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 two similarly built residential detached single family structures, and associated fence lines and driveways.

6.3.2 Below Ground Structures

No below ground structures were observed at the Site. However, there was extensive snow cover

6.3.3 Storage Tanks

Other than multiple jerry cans and a propane cylinder in the shed, no bulk liquid storage tanks were observed on the Site.

6.3.4 Hazardous Materials

The basement of 105 Henderson had several containers of paint and similar products stored in the basement.

6.3.5 Potable and Non-Potable Water Sources

No sources of water (wells or otherwise) were observed at the Site. The properties are municipally serviced.

6.3.6 Underground Service Trenches

Service trenches for water, sewer, telephone, and/or gas services may be present at the Site. No Site-specific concerns regarding service trenches were identified.

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

Both on-site residential dwellings appear to be heated with natural gas furnaces. Historically, according to the current owner, both properties were heated with oil furnaces up until approximately 5 years ago.

6.3.9 Cooling Systems

Central air conditioning systems are present at both properties.

6.3.10 Drains, Pits, and Sumps

Floor drains were observed in the basement of both dwellings. No pits or sumps were observed at the Site.

6.3.11 Unidentified Substances

An unidentified coating was on the interior of the stone foundation. This appears to be efflorescence associated with the mortar in the foundation and is not considered to represent an environmental concern.

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

There are stains around the floor drains in the basement of each dwelling. No odour was characterized from these stains. Possibly water staining.

6.3.13 Well Details

There were no wells 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

No significant staining was observed at the exterior of the Site. Snow cover prevented visual inspection for staining.

6.3.18 Stressed Vegetation

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

6.3.19 Fill and Debris

There is inferred fill due to the basement windows on 105 Henderson being buried, which would indicate significant amounts of fill. Fill was also identified in the geotechnical boreholes.

6.3.20 Mould

Mould-like substances were observed on the basement floor of 109 Henderson Ave.

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

No on-site PCAs were identified during McIntosh Perry's site visit on January 9, 2018.

6.4 Surrounding Properties

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

- North – residential, commercial (low density), School
- East – residential
- South – residential, Community Center
- West – residential, University of Ottawa

Directly adjacent to the 109 Henderson is 113 Henderson, which is a Hydro Ottawa power substation. Power substations often have transformers present. A letter was sent to Hydro Ottawa on January 22, 2018 inquiring about what machinery may be present and what safety protocols are present to prevent environmental damage. At time of writing there has been no official response.

7.0 REVIEW AND EVALUATION OF INFORMATION

The following sections provide a review, and 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 subject Site:

Table 11: 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.
1895-1905	Not Identified	Vacant	Vacant	Site not listed in 1895 City directories.
1905-2017	Various (most recently Michael McGinn)	Residential	Residential	First listed as residential in City directories in 1905. First available air photo (1928), shows 2 present-day residential buildings on site. Air photos show site as relatively unchanged except for the movement of the shed on the property to the north corner of 109 Henderson in 1991.

7.2 Potentially Contaminating Activities

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:

- 113 Henderson Ave - Active Hydro Ottawa Power substation

Based on the assumed existence of ongoing monitoring for both machine maintenance and environmental release, this is not considered to result in an APEC at the Site.

- Intersection of King Edward Ave and Thomas More Pvt./Osgoode St – 2 Ontario Spill Records
 - Unknown amount of hydraulic oil
 - 45min Natural gas leak

- Intersection of King Edward Ave and Somerset Street East – Ontario Spill Records
 - 200L Diesel fuel to ground
- 631 King Edward Ave – O.Reg 347 Waste Generator
 - Photoprocessing Waste
- 119 Osgoode Street - O.Reg 347 Waste Generator
 - PCBs
- 55 Sweetland Ave – O.Reg 347 Waste Generator
 - Light Fuels
- 555 King Edward Ave – O.Reg 347 Waste Generator
 - Pathological Waste
- 218 Laurier Avenue East
 - Dry-cleaning facility

Based on the nature of these records and their separation distance from the Site, these off-site PCAs are not considered to result in APECs at the Site.

The above listed items are referenced on Figure 6.

7.3 Areas of Potential Environmental Concern (APEC)

No areas of potential environmental concern (APECs) were identified at the Site or in the Phase One ESA Study Area.

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 subject property.
- Figure 6 shows areas where potentially contaminating activities (PCAs) have occurred and areas of potential environmental concern (APEC).

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 potentially contaminating activities (PCAs) were identified on, in, or under the Phase One ESA property.

Potentially contaminating activities (PCAs) in the Phase One ESA Study Area are as follows:

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

- 113 Henderson Ave - Active Hydro Ottawa Power substation (Based on the assumed existence of ongoing monitoring for both machine maintenance and environmental release this is not considered to result in APECs at the Site).
- Intersection of King Edward Ave and Thomas More Pvt./Osgoode St – 2 Ontario Spill Records
 - Unknown amount of hydraulic Oil
 - 45min Natural gas leak
- Intersection of King Edward Ave and Somerset Street East – Ontario Spill Records
 - 200L Diesel fuel to ground
- 631 King Edward Ave – O.Reg 347 Waste Generator
 - Photoprocessing Waste
- 119 Osgoode Street - O.Reg 347 Waste Generator
 - PCBs
- 55 Sweetland Ave – O.Reg 347 Waste Generator
 - Light Fuels
- 555 King Edward Ave – O.Reg 347 Waste Generator
 - Pathological Waste
- 218 Laurier Avenue East
 - Dry-cleaning facility

Based on the nature of these records and their separation distance from the Site these off-site PCAs are not considered to result in APECs at the Site.

Due to the age of the property a designated substance survey would be done before any major construction is done on the buildings. Additionally, removal of fluorescent light tubes and large quantities of paint/coating material and disposed of properly.

8.1 Is a Phase 2 ESA Required?

A Phase 2 ESA is not required at this time, as no APECs were identified at the Site, and the Site is not being developed to a more sensitive land use.

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).

Any use which a third party makes of this report, or any reliance on decisions made based on it, without a Reliance Letter are the responsibility of such third parties. McIntosh Perry Consulting Engineers Ltd. accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this report.

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 January 09, 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 yards of 105 and 109 Henderson Ave. and other publicly 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.

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.

Bradley Sutherland, B.Sc.
Environmental Scientist

Daniel J. Arnott, P.Eng.
Geo-Environmental Engineer

Rebecca Leduc, B.A.
Environmental Technician

h:\01 project - proposals\2017 jobs\cp\0cp-17-0638 tcu_20 unit apartment building_105-109 henderson avenue\phase 1 esa\09 report\0cp-17-0638_phase one esa_105-109 henderson.draft bs.docx

10.0 REFERENCES

Canadian Standards Association (CSA), Z768-01: Phase I Environmental Site Assessment, CSA International, Toronto, 2001 (Updated 2003, Reaffirmed 2012).

EcoLog ERIS, 2017. 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 Earth™ (website: http://www.mndmf.gov.on.ca/mines/ogs_earth_e.asp).

Intera technologies LTD. Former City of Ottawa Industrial Sites, 1988.

Ministry of the Environment, Conservation and Parks (MECP), 2018 – Records of site condition and transition notices. <https://www.lrcsde.lrc.gov.on.ca/besrWebPublic/generalSearch>, 2019.

Ministry of the Environment, Conservation and Parks (MECP), 2018 – Search Records of Site Condition. https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/searchFiledRsc_search?request_locale=en, 2019.






PHASE ONE ENVIRONMENTAL SITE ASSESSMENT 105 & 109 HENDERSON AVE., OTTAWA, ON



FIGURES

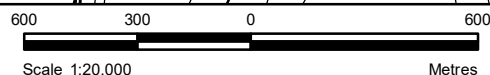


LEGEND

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

REFERENCE

GIS data provided by the Ontario Ministry of Natural Resources and Forestry, 2017.



CLIENT:		TC UNITED	
PROJECT:		PHASE ONE ESA 105-109 HENDERSON AVE.	
TITLE:		SITE LOCATION	
McINTOSH PERRY 115 Walgreen Road, RR3, Carp, ON K0A1L0 Tel: 613-836-2184 Fax: 613-836-3742 www.mcintoshperry.com		PROJECT NO: CP-17-0638	FIGURE:
		Date	Dec., 20, 2017
		GIS	JD
		Checked By	MC
		1	



HENDERSON AVENUE



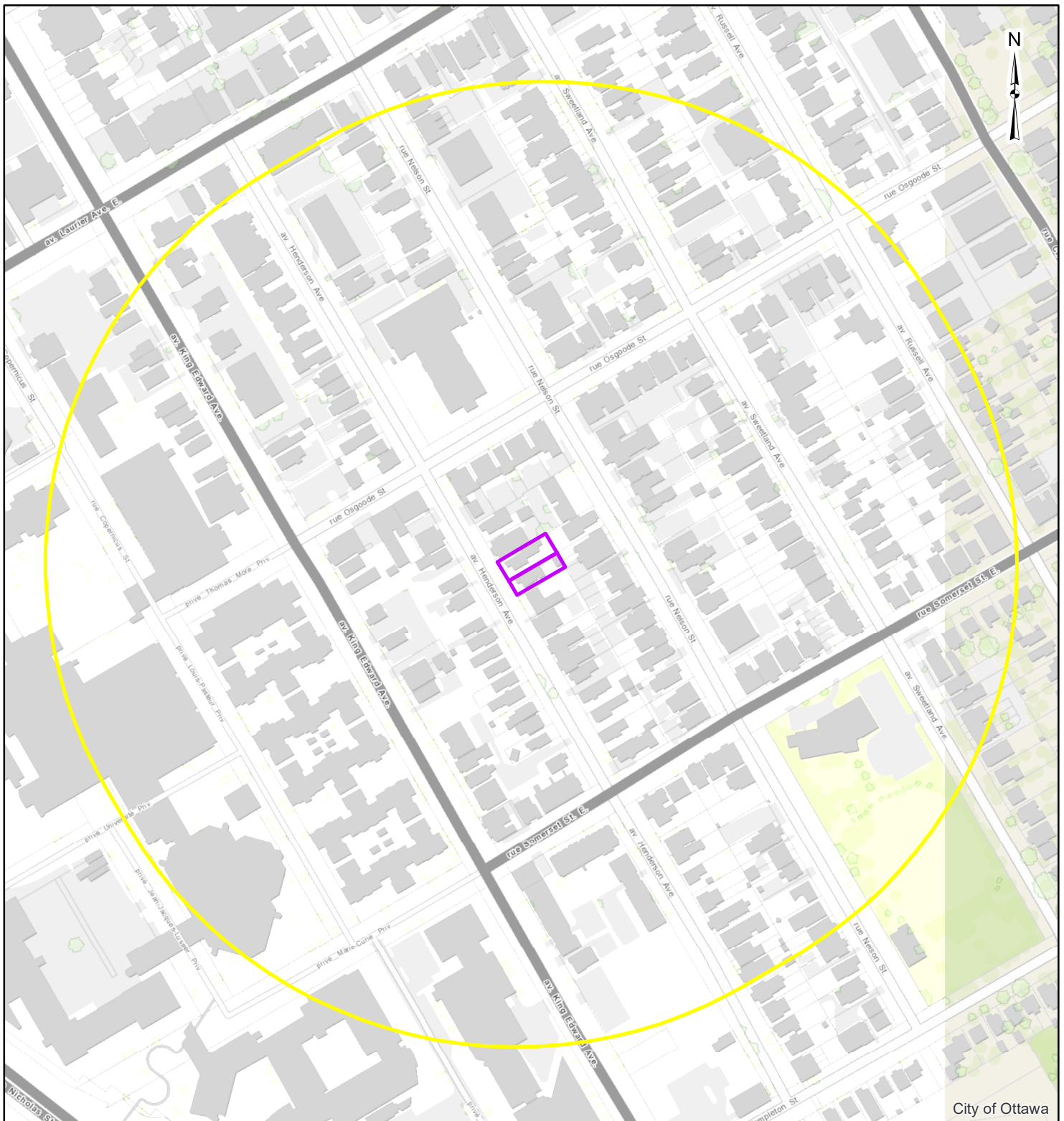
LEGEND

Approximate Site Boundary

REFERENCE

GIS data provided by the Ontario Ministry of Natural Resources and Forestry, 2017.
Imagery provided by the City of Ottawa, 2015.

CLIENT:		TC UNITED	
PROJECT:		PHASE ONE ESA 105-109 HENDERSON AVE.	
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-17-0638	FIGURE:
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		GIS	JD
		Checked By	MC
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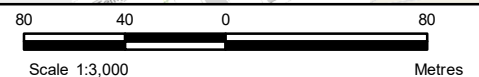


LEGEND

- Approximate Site Boundary
- 250m Buffer

REFERENCE

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



CLIENT:		TC UNITED	
PROJECT:		PHASE ONE ESA 105-109 HENDERSON AVE.	
TITLE:		STUDY AREA	
McINTOSH PERRY 115 Walgreen Road, RR3, Carp, ON K0A1L0 Tel: 613-836-2184 Fax: 613-836-3742 www.mcintoshperry.com		PROJECT NO: CP-17-0638	FIGURE:
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		GIS	JD
		Checked By	MC
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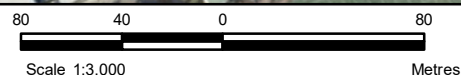


LEGEND

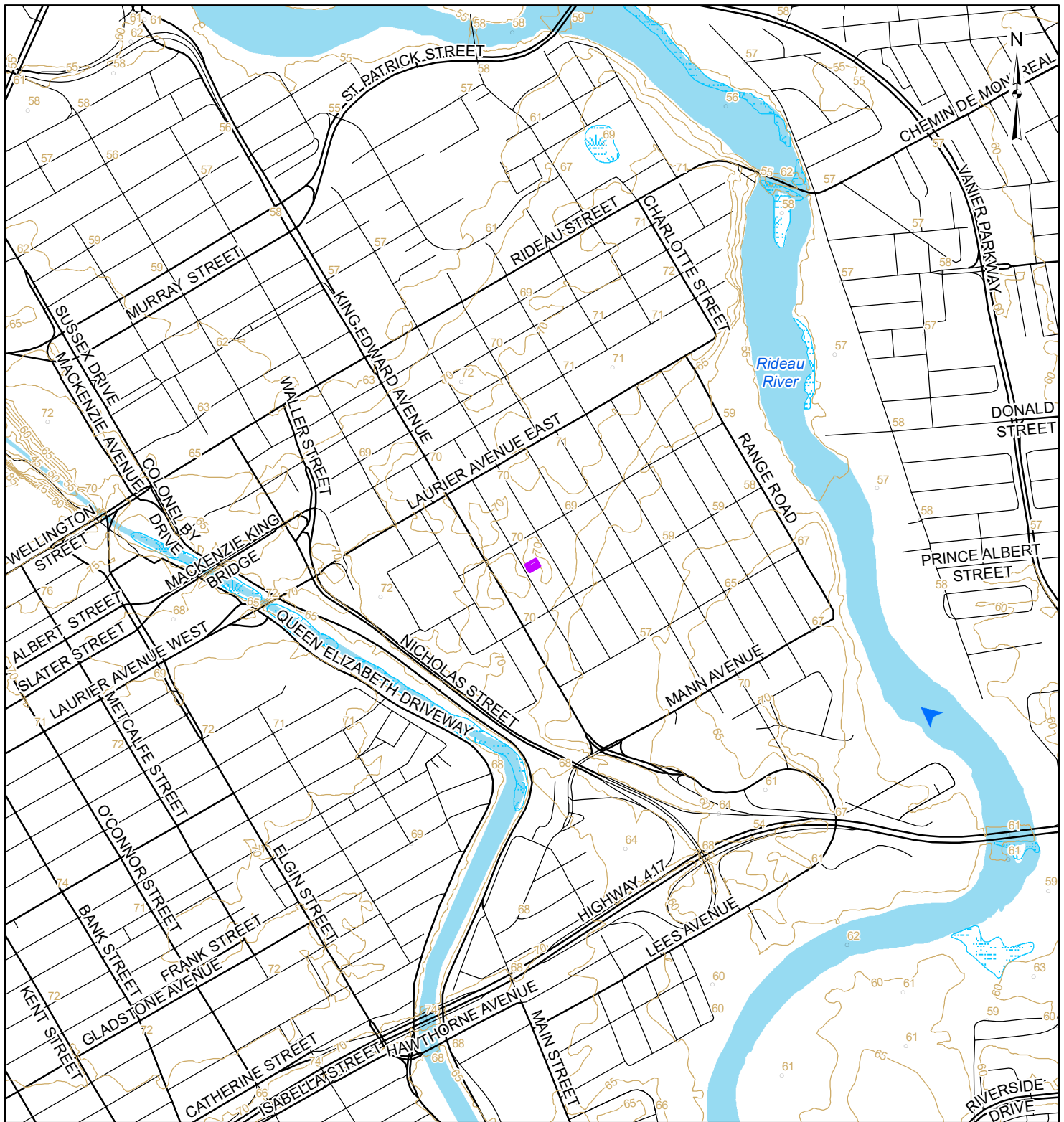
- Approximate Site Boundary
- 250m Buffer

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 105-109 HENDERSON AVE.	
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-17-0638	FIGURE:
		Date	Jan., 24, 2018
		GIS	JD
		Checked By	MC
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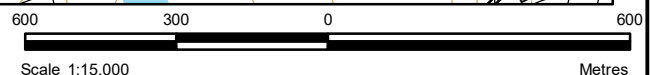


LEGEND

- 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
105-109 HENDERSON AVE.

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-17-0638

FIGURE:

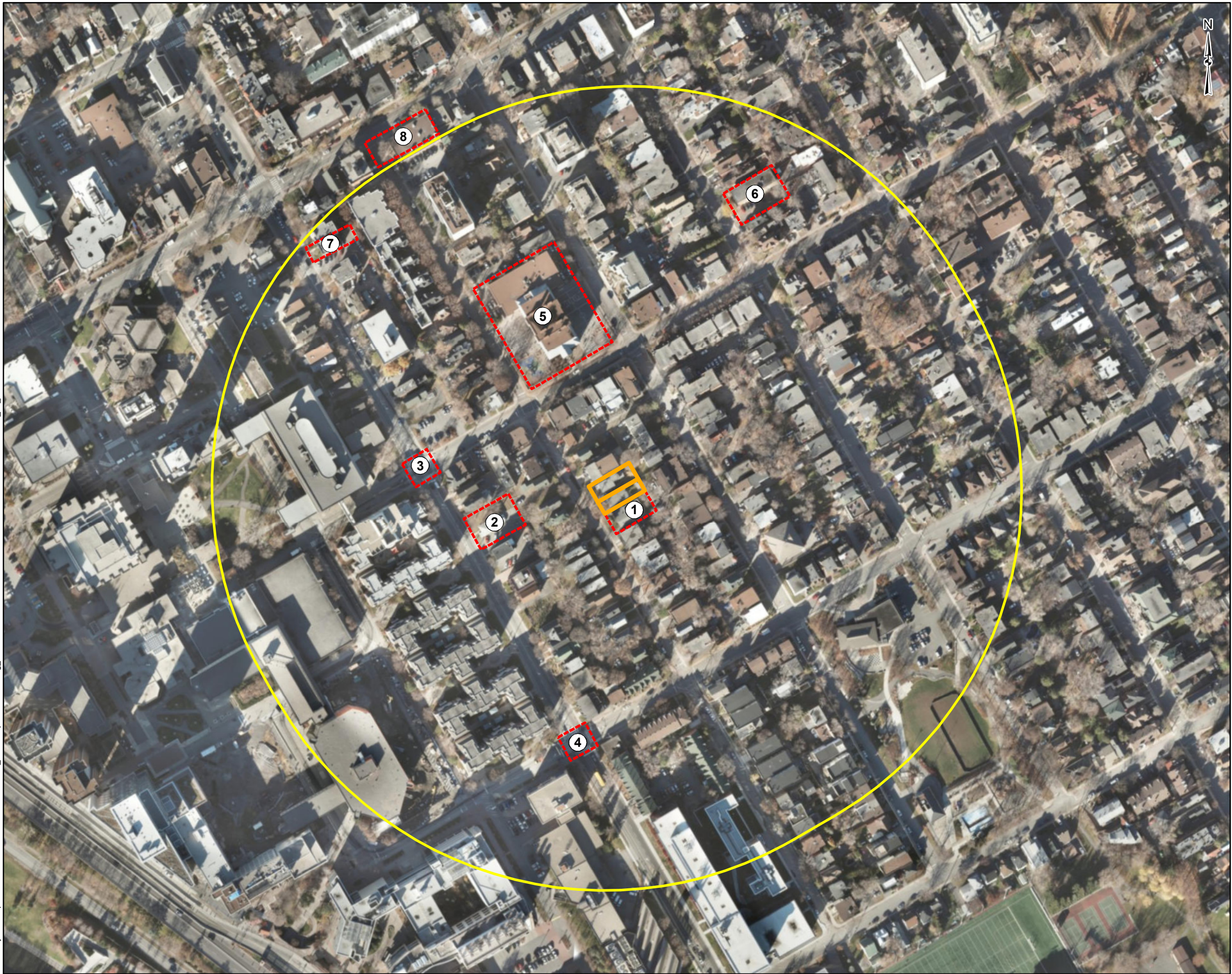
Date Jan., 24, 2018

GIS JD




Checked By MC

5

H:\01 Project - Proposals\2017_Jobs\CP\OCP-17-0638_TCU_20 Unit Apartment Building_105-109 Henderson Avenue\Phase 1 ESA\05 GIS\mxd\OCP-17-0638_06_PCAs-Henderson.mxd



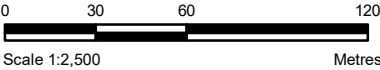
LEGEND


-  Site Boundary
-  250m Buffer
-  PCA

- 1** 113 Henderson Ave.
PCA
- Power Sub Station
- 2** 631 King Edward Ave.
PCA
- O. Reg. 347 Waste Generator (see table 5 for details)
- 3** Corner of King Edward and Thomas More Pvt.
PCA
- 2 Ontario Spill Records (see table 9 for details)
- 4** King Edward and Somerset St. East
PCA
- Ontario Spill Record (see table 9 for details)
- 5** 119 Osgoode St.
PCA
- O. Reg. 347 Waste Generator (see table 5 for details)
- 6** 55 Sweetland Ave.
PCA
- O. Reg. 347 Waste Generator (see table 5 for details)
- 7** 555 King Edward
PCA
- O. Reg. 347 Waste Generator (see table 5 for details)
- 8** 218 Laurier Ave East
PCA
- Dry Cleaning Facility

REFERENCE

GIS data provided by the Ontario Ministry of Natural Resources and Forestry, 2019.





CLIENT:		TC UNITED	
PROJECT:		PHASE ONE ESA 105-109 HENDERSON AVE.	
TITLE:		POTENTIALLY CONTAMINATING ACTIVITIES	
 115 Walgreen Road, RR3, Carp, ON K0A1L0 Tel: 613-836-2184 Fax: 613-836-3742 www.mcintoshperry.com	PROJECT NO: CP-17-0638		FIGURE: 6
	Date	Jul., 22, 2019	
	GIS	LC	
	Checked By	MC	

H:\01 Project - Proposals\2017 Jobs\CP\0CP-17-0638 TCU 20 Unit Apartment Building_105-109 Henderson Avenue\Phase 1 ESA\05 GIS\mxd\0CP-17-0638_07_BoreholeLocations\Henderson.mxd

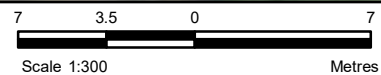


LEGEND

-  Borehole Location
-  Approximate Property Boundary

REFERENCE

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

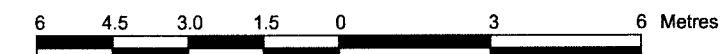


CLIENT:		TC UNITED	
PROJECT:		PHASE ONE ESA 105-109 HENDERSON AVE.	
TITLE:		BOREHOLE LOCATIONS	
McINTOSH PERRY 115 Walgreen Road, RR3, Carp, ON K0A1L0 Tel: 613-836-2184 Fax: 613-836-3742 www.mcintoshperry.com		PROJECT NO:CP-17-0638	FIGURE:
		Date	Jul., 27, 2018
		GIS	JD
		Checked By	BS
		7	

SURVEYOR'S REAL PROPERTY REPORT
PART 1 Plan of

LOT 13 AND PART OF LOT 14
(East Side of Henderson Avenue)
REGISTERED PLAN 37221
CITY OF OTTAWA

Surveyed by Annis, O'Sullivan, Vollebakk Ltd.
Scale 1 : 150



Metric

DISTANCES SHOWN ON THIS PLAN ARE IN METRES AND
CAN BE CONVERTED TO FEET BY DIVIDING BY 0.3048

Surveyor's Certificate

I CERTIFY THAT :

- This survey and plan are correct and in accordance with the Surveys Act, the Surveyors Act and the Land Titles Act and the regulations made under them.
- The survey was completed on the 9th day of August, 2017.

August 25/17
Date

V. Andrew Shelp
Ontario Land Surveyor

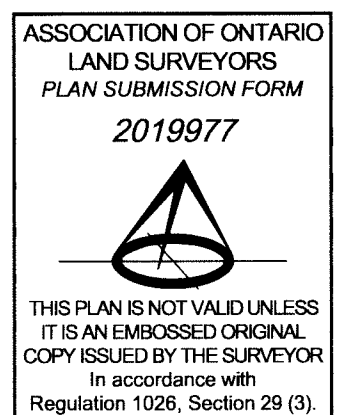
PART 2

THIS PLAN MUST BE READ IN CONJUNCTION WITH
SURVEY REPORT DATED: August 25, 2017

ANNIS, O'SULLIVAN, VOLLEBEKK LTD. grants to
T.C. United ("The Client"), their solicitors,
mortgagees, and other related parties, permission to use original, signed, sealed
copies of the Surveyor's Real Property Report in transactions involving The Client.

Notes & Legend

Denotes	
□	Survey Monument Planted
■	Survey Monument Found
SIB	Standard Iron Bar
SSIB	Short Standard Iron Bar
IB	Iron Bar
(WIT)	Witness
Meas.	Measured
(AOG)	Annis, O'Sullivan, Vollebakk Ltd.
(P)	Registered Plan 37221
(P1)	(1319) Plan dated March 17, 1987
(P2)	(AOG) Plan dated June 11, 2014
(P3)	Plan 5R-7070
(P4)	Plan 5R-9438
(P5)	(AOG) Plan dated August 12, 2012
(P6)	(AOG) Plan dated July 30, 2012
(P7)	(AOG) Plan dated April 7, 1980
(NI)	(AOG) Field Notes dated October 2, 1979
○ MH-ST	Maintenance Hole (Storm Sewer)
○ MH-S	Maintenance Hole (Sanitary)
○ UP	Utility Pole
□ CB	Catch Basin
□ CBI	Catch Basin Inlet
○ SP	Water Stand Post
T/G	Top of Grate
□ HM	Hydro Meter
○	Deciduous Tree
○ B	Bollard
△ S	Sign
W.W	Window Well
BF	Board Fence
○ PO-W	Wood Pole
□ AC	Air Conditioner
□ GM	Gas Meter
Ø	Diameter
+ 65.00	Location of Elevations
+ 65.00	Top of Concrete Curb Elevation
C/L	Centreline
Acc.	Accepted
Fdn.	Foundation
VCM	Vertical Control Monument
— OHW	Overhead Wires
— G	Underground Gas



ELEVATION NOTES

- Elevations are geodetic and are referred to the vertical control monument No. 0011970U228 having an elevation of 69.83 (CGVD28 datum).
- It is the responsibility of the user of this information to verify that the job benchmark has not been altered or disturbed and that its relative elevation and description agrees with the information shown on this drawing.

UTILITY NOTES

- This drawing cannot be accepted as acknowledging all of the utilities and it will be the responsibility of the user to contact the respective utility authorities for confirmation.
- Only visible surface utilities were located.
- A field location of underground plant by the pertinent utility authority is mandatory before any work involving breaking ground, probing, excavating etc.

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Ontario Land Surveyors Job No. 19674-17 PT LTS 13 14 PL 37221 SRPR D2 A.M.

Bearings are grid bearings, derived from the easterly limit of Henderson Avenue derived from GPS observations shown to be N31°20'30"W and are referred to the Central Meridian of Zone 9 of the Ontario Coordinate System, Longitude 76°30' West (MTM NAD-83).

PHASE ONE ENVIRONMENTAL SITE ASSESSMENT 105 & 109 HENDERSON AVE., OTTAWA, ON



APPENDIX A – ECOLOGERIS REPORT



DATABASE REPORT

Project Property: *Phase 1 ESA - 105 & 109 Henderson
109 Henderson Ave
Ottawa ON K1N7P5
CP-17-0638*

Project No: *20171214077*

Report Type: *Standard Report*

Order No: *20171214077*

Requested by: *McIntosh Perry Consulting Engineers*

Date Completed: *December 20, 2017*

**Environmental Risk
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Executive Summary

Property Information:

Project Property: *Phase 1 ESA - 105 & 109 Henderson
109 Henderson Ave Ottawa ON K1N7P5*

Project No: *CP-17-0638*

Coordinates:

Latitude: *45.423603*
Longitude: *-75.679878*
UTM Northing: *5,030,233.89*
UTM Easting: *446,811.55*
UTM Zone: *UTM Zone 18T*

Elevation: *236 FT
71.88 M*

Order Information:

Order No: *20171214077*
Date Requested: *December 14, 2017*
Requested by: *McIntosh Perry Consulting Engineers*
Report Type: *Standard Report*

Historical/Products:

City Directory Search *Subject Site plus 5 Adjacent Properties*
Insurance Products *Fire Insurance Maps/Inspection Reports/Site Specific Plans*

Executive Summary: Report Summary

<i>Database</i>	<i>Name</i>	<i>Searched</i>	<i>Project Property</i>	<i>Within 0.25 km</i>	<i>Total</i>
AAGR	<i>Abandoned Aggregate Inventory</i>	Y	0	0	0
AGR	<i>Aggregate Inventory</i>	Y	0	0	0
AMIS	<i>Abandoned Mine Information System</i>	Y	0	0	0
ANDR	<i>Anderson's Waste Disposal Sites</i>	Y	0	0	0
AUWR	<i>Automobile Wrecking & Supplies</i>	Y	0	0	0
BORE	<i>Borehole</i>	Y	0	8	8
CA	<i>Certificates of Approval</i>	Y	0	5	5
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	4	4
EEM	<i>Environmental Effects Monitoring</i>	Y	0	0	0
EHS	<i>ERIS Historical Searches</i>	Y	0	17	17
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	10	10
GHG	<i>Greenhouse Gas Emissions from Large Facilities</i>	Y	0	0	0
HINC	<i>TSSA Historic Incidents</i>	Y	0	2	2
IAFT	<i>Indian & Northern Affairs Fuel Tanks</i>	Y	0	0	0
INC	<i>TSSA Incidents</i>	Y	0	3	3
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	3	3
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	3	3
PRT	<i>Private and Retail Fuel Storage Tanks</i>	Y	0	0	0
PTTW	<i>Permit to Take Water</i>	Y	0	0	0
REC	<i>Ontario Regulation 347 Waste Receivers Summary</i>	Y	0	0	0
RSC	<i>Record of Site Condition</i>	Y	0	0	0
RST	<i>Retail Fuel Storage Tanks</i>	Y	0	0	0
SCT	<i>Scott's Manufacturing Directory</i>	Y	0	0	0
SPL	<i>Ontario Spills</i>	Y	0	5	5
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	0	0
		Total:	0	60	60

Executive Summary: Site Report Summary - Project Property

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev diff (m)</i>	<i>Page Number</i>
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No records found in the selected databases for the project property.

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
1	PINC		99 HENDERSON AVE, OTTAWA ON	NNW/13.7	0.00	18
2	EHS		103 Henderson Ave Ottawa ON K1N7P5	SSE/44.2	-0.69	18
3	EHS		406-410 Nelson Street 406, 408 and 410 Nelson Ottawa ON K1N 7S7	ENE/48.7	-0.27	18
4	EHS		136 Osgoode St Ottawa ON K1N6S4	N/49.7	0.00	19
5	EHS		395, 397, 399, 403 Nelson Street Ottawa ON K1N 7S5	NE/68.1	-0.25	19
6	INC		122 OSGOODE STREET, OTTAWA ON	WNW/70.4	0.00	19
7	EHS		138, 140, 142 And 144 Osgoode Street Ottawa ON	N/71.0	0.00	20
8	EHS		393 Nelson Street Ottawa ON	NE/77.9	-0.81	20
9	EHS		132 Henderson Ottawa ON K1N 7P4	S/85.7	-0.69	20
10	EHS		411 Nelson St Ottawa ON K1N7S6	ENE/86.2	-2.00	21
11	SPL	ESSO PETROLEUM CANADA	120 OSGOODE STREET TANK TRUCK (CARGO) OTTAWA CITY ON K1N 6S2	WNW/87.3	0.00	21
12	GEN	UNIVERSITY OF OTTAWA 39-419	631 KING EDWARD AVENUE, FULCRUM OTTAWA ON K1N 6N5	WSW/95.3	0.13	21
12	GEN	UNIVERSITY OF OTTAWA 39-419	631 KING EDWARD AVENUE C/O 550 CUMBERLAND STREET OTTAWA ON K1N 6N5	WSW/95.3	0.13	22
12	GEN	UNIVERSITY OF OTTAWA	FULCRUM__ 631 KING EDWARD AVENUE OTTAWA ON K1N 6N5	WSW/95.3	0.13	22
13	PINC		139 HENDERSON AVE, OTTAWA ON	SSE/95.9	-1.27	22
14	EHS		421 Nelson St Ottawa ON K1N7S6	E/97.8	-2.00	23
15	EHS		149 Henderson Ave Ottawa ON K1N7P5	SSE/116.3	-2.54	23
16	ECA	8550107 Canada Inc.	149 Henderson Ave Ottawa ON K1N 7S8	SSE/120.3	-2.54	23
16	PINC		149 HENDERSON AVE, OTTAWA ON	SSE/120.3	-2.54	23
17	EHS		146 through 170 Osgoode Street Ottawa ON K1N 6S6	NNE/122.0	-1.05	24
17	EHS		146 - 170 Osgoode Street Ottawa ON K1N 6S6	NNE/122.0	-1.05	24
18	GEN	ECOLE FRANCOJEUNESSE	119 OSGOODE ST. OTTAWA ON K1N 6S3	NNW/126.2	1.00	24
18	GEN	CONSEIL (SEE & USE ON1879403)	FRANCOJEUNESSE 119 RUE OSGOODE OTTAWA ON K1N 6S3	NNW/126.2	1.00	24

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
18	GEN	CONSEIL DES ECOLES PUBLIQUES	ECOLE ELEMENTAIRE PUBLIQUE FRANCOJEUNESSE, 119, RUE OSGOODE	NNW/126.2	1.00	25
19	CA	OTTAWA CITY	OTTAWA ON K1N 6S3 OSGOODE ST/KING EDWARD AVE. OTTAWA ON	W/128.8	-0.30	25
19	CA	R.M. OF OTTAWA-CARLETON	OSGOODE ST/KING EDWARD AVE. OTTAWA ON	W/128.8	-0.30	25
19	SPL	PRIVATE OWNER	U OF OTTAWA CAMPUS, CORNER THOMAS MORE & KING EDWARD STREETS TRANSPORT TRUCK (CARGO) OTTAWA CITY ON	W/128.8	-0.30	26
19	SPL	CONTRACTOR	KING EDWARD & OSGOODE (N.O.S.) OTTAWA CITY ON	W/128.8	-0.30	26
20	BORE		ON	W/130.3	-0.30	26
21	NPCB	UNIVERSITY OF OTTAWA	100 THOMAS MORE STREET THOMAS MORE STREET OTTAWA ON K1N 1E3	SW/142.9	-1.00	27
21	NPCB	UNIVERSITY OF OTTAWA	100 THOMAS MORE STREET BOX 450-STN. A Ottawa ON K1N 1E3	SW/142.9	-1.00	27
21	NPCB	UNIVERSITY OF OTTAWA	BOX 450-STN. A 100 THOMAS MORE STREET OTTAWA ON K1N 1E3	SW/142.9	-1.00	27
22	CA	R.M. OF OTTAWA-CARLETON	SOMERSET ST./NELSON ST. OTTAWA CITY ON	SE/147.4	-5.63	28
23	BORE		ON	W/151.3	-0.99	28
24	INC		359 NELSON STREET, OTTAWA ON	N/165.5	-0.06	29
25	SPL		King Edward Street and Sommerset Ottawa ON	S/170.2	-1.00	30
26	INC		39 HENDERSON AVE, OTTAWA ON	NNW/176.9	-0.03	30
27	HINC		191 SOMERSET STREET EAST OTTAWA ON K1N 6V1	S/177.4	-1.00	31
28	EHS		250 Somerset Street East Ottawa ON K1N 6V6	ESE/178.4	-11.00	31
29	ECA	City of Ottawa	Blackburn Avenue, Chapel Street Ottawa ON K1V 6A6	NE/189.0	-1.30	32
29	ECA	City of Ottawa	Blackburn Avenue, Chapel Street Ottawa ON K1V 6A6	NE/189.0	-1.30	32
30	SPL	Enbridge Gas Distribution Inc.	63 Sweetland Avenue Ottawa ON	NNE/192.1	-1.30	32
31	EHS		75 Laurier Avenue East Ottawa ON	SW/196.9	-1.00	33
32	BORE		ON	ESE/197.5	-12.50	33
33	EHS		173 Henderson Ave Ottawa ON K1N7P7	SSE/199.4	-8.75	33
34	BORE		ON	W/202.8	-1.30	34
35	BORE		ON	S/204.0	-1.57	34
36	BORE		ON	SW/206.9	-1.00	35

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
37	GEN	Greg Statler	55 Sweetland Ottawa ON K1N 7T7	NNE/214.8	-1.00	36
38	EHS		145 Jean Jacques Lussier Private Ottawa ON	SW/220.8	-1.00	36
39	BORE		ON	SSW/221.1	-1.00	36
40	ECA	Nelson Place Apartments Inc.	305 Nelson St Ottawa ON K2C 1V1	N/224.4	1.00	37
41	GEN	UNIVERSITY OF OTTAWA 39-482	555 KING EDWARD AVENUE OTTAWA ON K1N 7N5	NW/228.7	-0.98	37
41	GEN	UNIVERSITY OF OTTAWA 39-482	555 KING EDWARD C/O 555 CUMBERLAND AVE. BOX 450 STN A OTTAWA ON K1N 7N5	NW/228.7	-0.98	38
41	GEN	UNIVERSITY OF OTTAWA	555 KING EDWARD AVENUE OTTAWA ON K1N 7N5	NW/228.7	-0.98	38
42	BORE		ON	ESE/233.1	-14.00	38
43	EHS		60 Russell Avenue Ottawa ON	NE/239.8	-1.00	39
44	CA	City of Ottawa	250 Somerset St E Ottawa ON K1N 6V6	SE/244.0	-13.45	39
44	HINC		250 SOMERSET STREET EAST OTTAWA ON K1N 6V6	SE/244.0	-13.45	39
45	CA	University of Ottawa	Bioscience, 20 Marie Curie, Lot E, Concession D Ottawa ON	SSW/247.3	-1.00	40

Executive Summary: Summary By Data Source

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2014 has found that there are 8 BORE site(s) within approximately 0.25 kilometers of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	ON	W	130.27	<u>20</u>
	ON	W	151.32	<u>23</u>
	ON	ESE	197.49	<u>32</u>
	ON	W	202.83	<u>34</u>
	ON	S	203.98	<u>35</u>
	ON	SW	206.94	<u>36</u>
	ON	SSW	221.14	<u>39</u>
	ON	ESE	233.05	<u>42</u>

CA - Certificates of Approval

A search of the CA database, dated 1985-Oct 30, 2011* has found that there are 5 CA 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>
OTTAWA CITY	OSGOODE ST/KING EDWARD AVE. OTTAWA ON	W	128.81	<u>19</u>
R.M. OF OTTAWA-CARLETON	OSGOODE ST/KING EDWARD AVE. OTTAWA ON	W	128.81	<u>19</u>
R.M. OF OTTAWA-CARLETON	SOMERSET ST./NELSON ST. OTTAWA CITY ON	SE	147.35	<u>22</u>
City of Ottawa	250 Somerset St E Ottawa ON K1N 6V6	SE	243.95	<u>44</u>
University of Ottawa	Bioscience, 20 Marie Curie, Lot E, Concession D Ottawa ON	SSW	247.33	<u>45</u>

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011-Oct 2017 has found that there are 4 ECA site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Nelson Place Apartments Inc.	305 Nelson St Ottawa ON K2C 1V1	N	224.35	<u>40</u>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
8550107 Canada Inc.	149 Henderson Ave Ottawa ON K1N 7S8	SSE	120.33	<u>16</u>
City of Ottawa	Blackburn Avenue, Chapel Street Ottawa ON K1V 6A6	NE	188.95	<u>29</u>
City of Ottawa	Blackburn Avenue, Chapel Street Ottawa ON K1V 6A6	NE	188.95	<u>29</u>

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Aug 2016 has found that there are 17 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>
	136 Osgoode St Ottawa ON K1N6S4	N	49.73	<u>4</u>
	138, 140, 142 And 144 Osgoode Street Ottawa ON	N	70.97	<u>7</u>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	103 Henderson Ave Ottawa ON K1N7P5	SSE	44.15	<u>2</u>
	406-410 Nelson Street 406, 408 and 410 Nelson Ottawa ON K1N 7S7	ENE	48.74	<u>3</u>
	395, 397, 399, 403 Nelson Street Ottawa ON K1N 7S5	NE	68.06	<u>5</u>
	393 Nelson Street Ottawa ON	NE	77.85	<u>8</u>
	132 Henderson Ottawa ON K1N 7P4	S	85.65	<u>9</u>
	411 Nelson St Ottawa ON K1N7S6	ENE	86.23	<u>10</u>
	421 Nelson St Ottawa ON K1N7S6	E	97.76	<u>14</u>
	149 Henderson Ave Ottawa ON K1N7P5	SSE	116.26	<u>15</u>
	146 - 170 Osgoode Street Ottawa ON K1N 6S6	NNE	122.00	<u>17</u>
	146 through 170 Osgoode Street Ottawa ON K1N 6S6	NNE	122.00	<u>17</u>
	250 Somerset Street East Ottawa ON K1N 6V6	ESE	178.43	<u>28</u>

75 Laurier Avenue East Ottawa ON	SW	196.87	31
173 Henderson Ave Ottawa ON K1N7P7	SSE	199.37	33
145 Jean Jacques Lussier Private Ottawa ON	SW	220.82	38
60 Russell Avenue Ottawa ON	NE	239.82	43

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Jun 2017 has found that there are 10 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>
UNIVERSITY OF OTTAWA 39-419	631 KING EDWARD AVENUE C/O 550 CUMBERLAND STREET OTTAWA ON K1N 6N5	WSW	95.34	12
UNIVERSITY OF OTTAWA	FULCRUM__ 631 KING EDWARD AVENUE OTTAWA ON K1N 6N5	WSW	95.34	12
UNIVERSITY OF OTTAWA 39-419	631 KING EDWARD AVENUE, FULCRUM OTTAWA ON K1N 6N5	WSW	95.34	12
CONSEIL (SEE & USE ON1879403)	FRANCOJEUNESSE 119 RUE OSGOODE OTTAWA ON K1N 6S3	NNW	126.23	18
ECOLE FRANCOJEUNESSE	119 OSGOODE ST. OTTAWA ON K1N 6S3	NNW	126.23	18
CONSEIL DES ECOLES PUBLIQUES	ECOLE ELEMENTAIRE PUBLIQUE FRANCOJEUNESSE, 119, RUE OSGOODE OTTAWA ON K1N 6S3	NNW	126.23	18

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Greg Statler	55 Sweetland Ottawa ON K1N 7T7	NNE	214.77	37
UNIVERSITY OF OTTAWA 39-482	555 KING EDWARD AVENUE OTTAWA ON K1N 7N5	NW	228.68	41
UNIVERSITY OF OTTAWA	555 KING EDWARD AVENUE OTTAWA ON K1N 7N5	NW	228.68	41
UNIVERSITY OF OTTAWA 39-482	555 KING EDWARD C/O 555 CUMBERLAND AVE. BOX 450 STN A OTTAWA ON K1N 7N5	NW	228.68	41

HINC - TSSA Historic Incidents

A search of the HINC database, dated 2006-June 2009* has found that there are 2 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>
	191 SOMERSET STREET EAST OTTAWA ON K1N 6V1	S	177.38	27
	250 SOMERSET STREET EAST OTTAWA ON K1N 6V6	SE	243.95	44

INC - TSSA Incidents

A search of the INC database, dated Feb 28, 2017 has found that there are 3 INC site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	122 OSGOOD STREET, OTTAWA ON	WNW	70.38	<u>6</u>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	359 NELSON STREET, OTTAWA ON	N	165.55	<u>24</u>
	39 HENDERSON AVE, OTTAWA ON	NNW	176.88	<u>26</u>

NPCB - National PCB Inventory

A search of the NPCB database, dated 1988-2008* has found that there are 3 NPCB 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>
UNIVERSITY OF OTTAWA	BOX 450-STN. A 100 THOMAS MORE STREET OTTAWA ON K1N 1E3	SW	142.88	<u>21</u>
UNIVERSITY OF OTTAWA	100 THOMAS MORE STREET BOX 450- STN. A Ottawa ON K1N 1E3	SW	142.88	<u>21</u>
UNIVERSITY OF OTTAWA	100 THOMAS MORE STREET THOMAS MORE STREET OTTAWA ON K1N 1E3	SW	142.88	<u>21</u>

PINC - TSSA Pipeline Incidents

A search of the PINC database, dated Feb 28, 2017 has found that there are 3 PINC site(s) within approximately 0.25 kilometers of the project property.

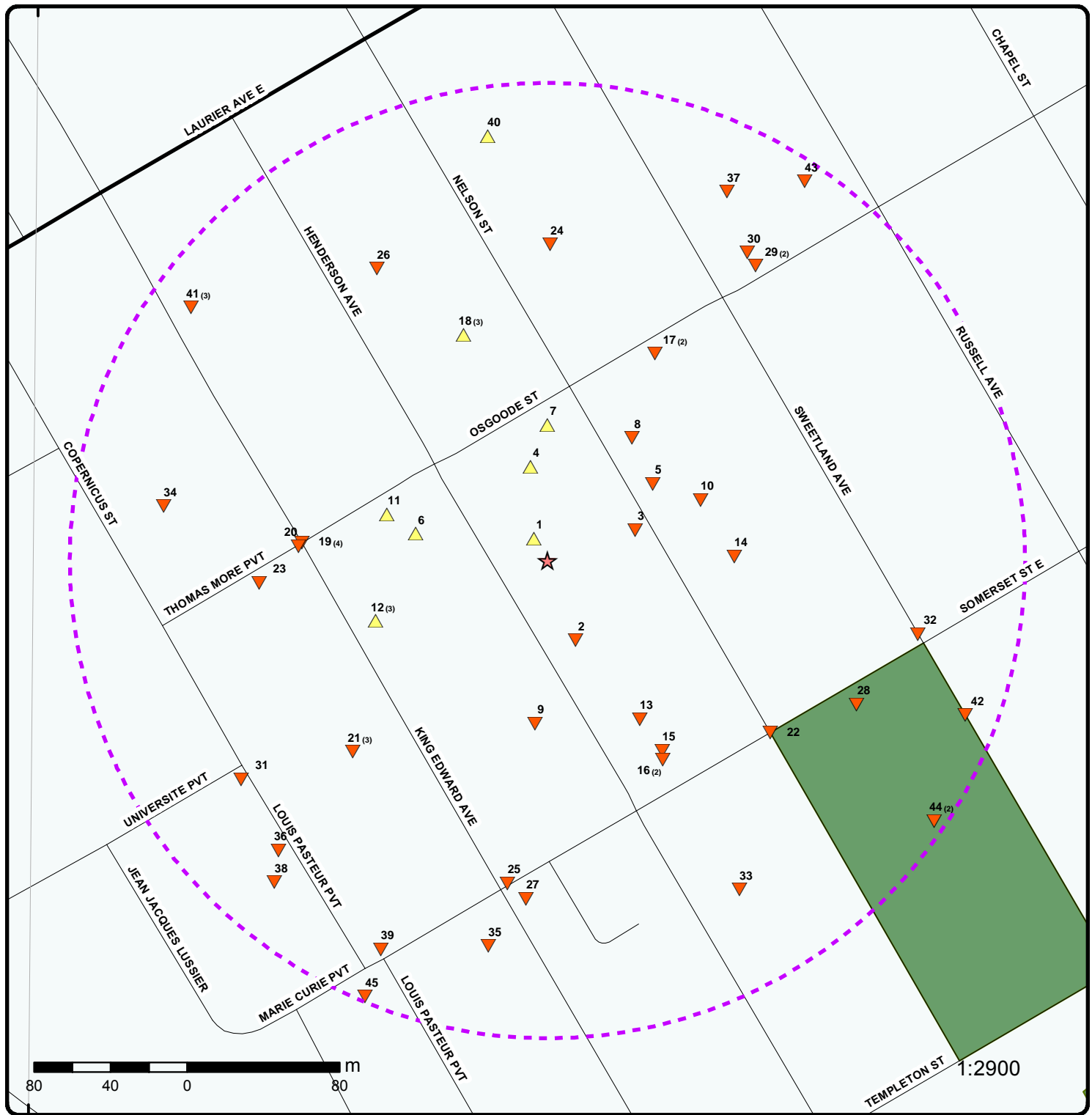
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	99 HENDERSON AVE, OTTAWA ON	NNW	13.73	<u>1</u>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	139 HENDERSON AVE, OTTAWA ON	SSE	95.90	<u>13</u>
	149 HENDERSON AVE, OTTAWA ON	SSE	120.33	<u>16</u>

SPL - Ontario Spills

A search of the SPL database, dated 1988-Jun 2017 has found that there are 5 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>
ESSO PETROLEUM CANADA	120 OSGOODE STREET TANK TRUCK (CARGO) OTTAWA CITY ON K1N 6S2	WNW	87.30	<u>11</u>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
PRIVATE OWNER	U OF OTTAWA CAMPUS, CORNER THOMAS MORE & KING EDWARD STREETS TRANSPORT TRUCK (CARGO)	W	128.81	<u>19</u>
CONTRACTOR	OTTAWA CITY ON KING EDWARD & OSGOODE (N.O.S.) OTTAWA CITY ON	W	128.81	<u>19</u>
	King Edward Street and Sommerset Ottawa ON	S	170.18	<u>25</u>
Enbridge Gas Distribution Inc.	63 Sweetland Avenue Ottawa ON	NNE	192.08	<u>30</u>



Map : 0.25 Kilometer Radius

Order No: 20171214077

Address: 109 Henderson Ave, Ottawa, ON, K1N7P5

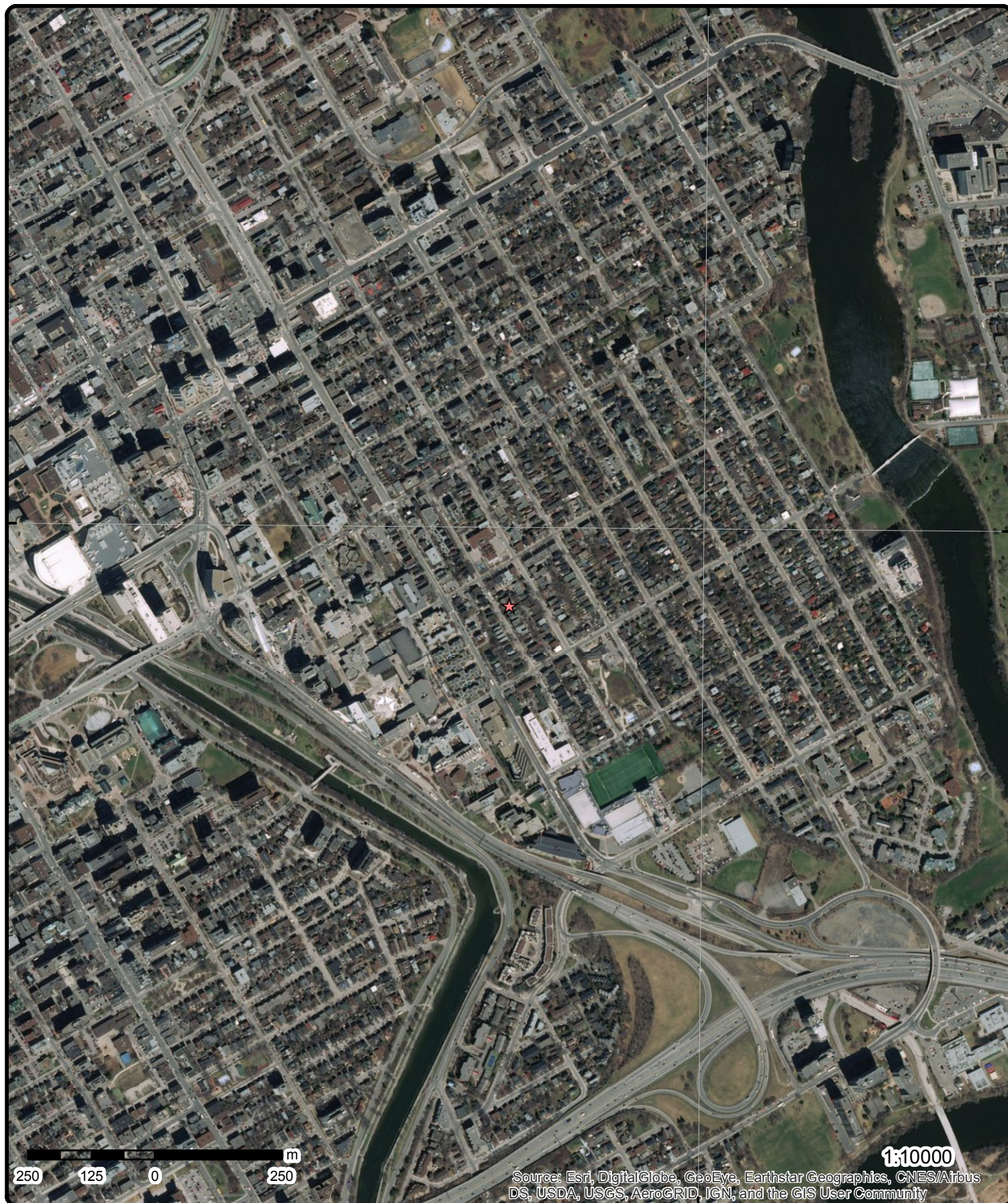


- | | | | |
|-------------------------------------|----------------------|-----------------------------------|--------------------------------|
| ★ Project Property | Expressway | Industrial and Resource - Regions | National Park |
| ⬡ Buffer Outline | Principal Highway | Main Line | Provincial or Territorial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

75°40'30"W

45°25'30"N

45°25'30"N



Aerial (2016)

Address: 109 Henderson Ave, Ottawa, ON, K1N7P5

Source: ESRI World Imagery

Order No: 20171214077

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES



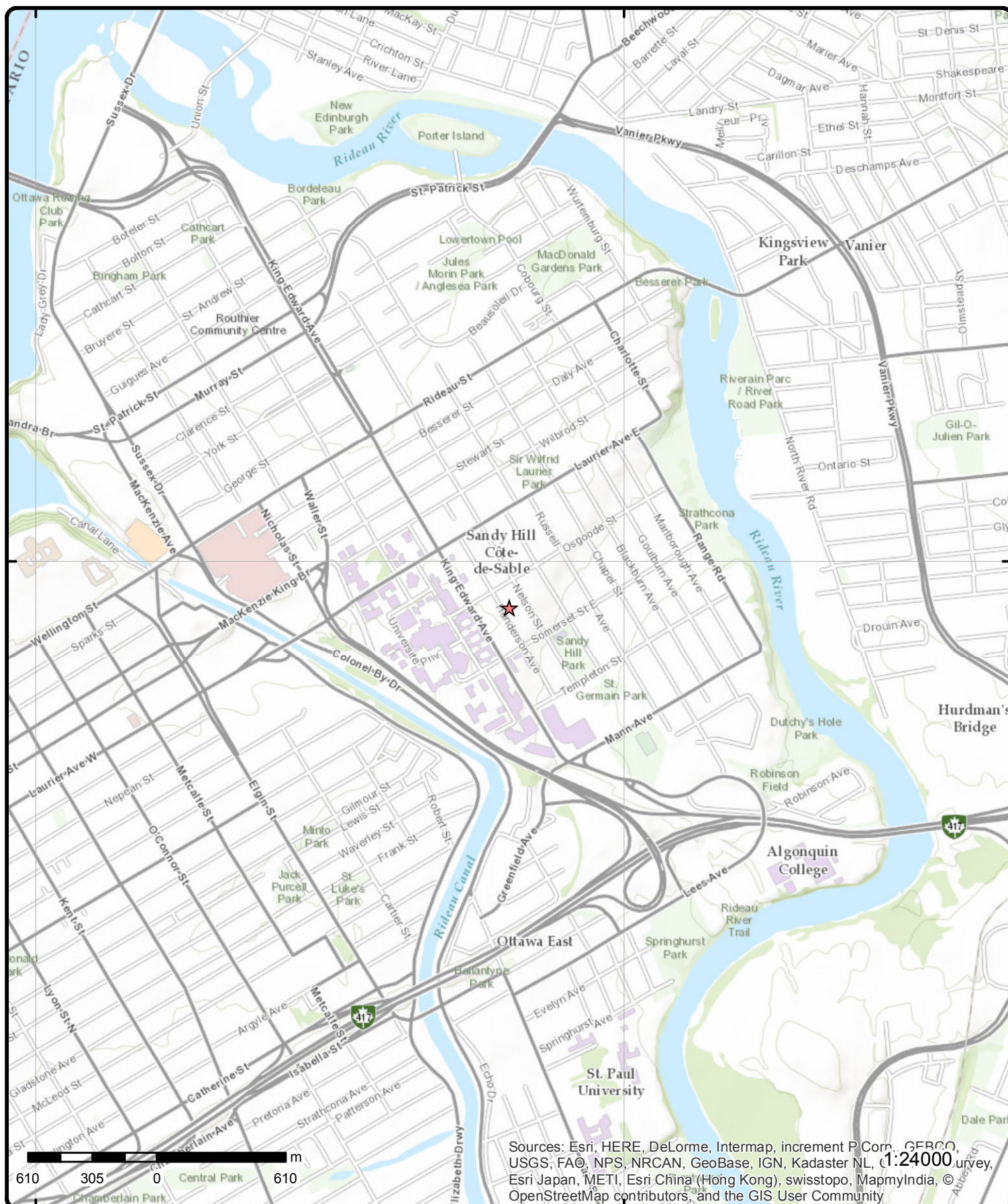
© ERIS Information Limited Partnership

75°42'W

75°40'30"W

45°25'30"N

45°25'30"N



Topographic Map

Address: 109 Henderson Ave, Ottawa, ON, K1N7P5

Source: ESRI World Topographic Map

Order No: 20171214077



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Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
1	1 of 1	NNW/13.7	71.9	99 HENDERSON AVE, OTTAWA ON	PINC
<div> <div> Incident ID: Incident No: 1314882 Type: FS-Pipeline Incident Status Code: Pipeline Damage Reason Est Fuel Occurrence Tp: Fuel Type: Tank Status: RC Established Task No: 4769061 Spills Action Centre: Method Details: E-mail Fuel Category: Natural Gas Date of Occurrence: Occurrence Start Date: 2014/01/15 Operation Type: Pipeline Type: Regulator Type: Summary: 99 HENDERSON AVE, OTTAWA - PIPELINE HIT 1/2" Reported By: RYAN NOBLE - ENBRIDGE GAS Affiliation: Occurrence Desc: Damage Reason: Excavation practices not sufficient Notes: </div> <div> 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: </div> </div>					
2	1 of 1	SSE/44.2	71.2	103 Henderson Ave Ottawa ON K1N7P5	EHS
<div> Postal Code: City: Address2: Address1: Provstate: Order No.: 20140303012 Addit. Info Ordered:: Report Date: 06-MAR-14 Report Type: Custom Report Search Radius (km): .25 </div>					
3	1 of 1	ENE/48.7	71.6	406-410 Nelson Street 406, 408 and 410 Nelson Ottawa ON K1N 7S7	EHS
<div> Postal Code: City: Address2: Address1: Provstate: Order No.: 20111209008 Addit. Info Ordered:: Fire Insur. Maps and/or Site Plans; Title Searches; Aerial Photos; City Directory; Topographic Maps Report Date: 12/19/2011 10:58:12 AM Report Type: Standard Select Report </div>					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Search Radius (km):		0.25			
4	1 of 1	N/49.7	71.9	136 Osgoode St Ottawa ON K1N6S4	EHS
Postal Code:		K1N6S4			
City:		Ottawa			
Address2:					
Address1:		136 Osgoode St			
Provstate:		ON			
Order No.:		20151019008			
Addit. Info Ordered::					
Report Date:		22-OCT-15			
Report Type:		Custom Report			
Search Radius (km):		.25			
5	1 of 1	NE/68.1	71.6	395, 397, 399, 403 Nelson Street Ottawa ON K1N 7S5	EHS
Postal Code:					
City:					
Address2:					
Address1:					
Provstate:					
Order No.:		20120510045			
Addit. Info Ordered::					
Report Date:		5/22/2012 4:29:57 PM			
Report Type:		Standard Report			
Search Radius (km):		0.25			
6	1 of 1	WNW/70.4	71.9	122 OSGOODE STREET, OTTAWA ON	INC
Incident No:		336106			
Incident ID:		2487590			
Attribute Category:		FS-Perform L1 Incident Insp			
Status Code:		Causal Analysis Complete			
Incident Location:		122 OSGOODE STREET, OTTAWA - LEAK			
Drainage System:		No			
Sub Surface Contam.:		surface of concrete floor			
Aff. Prop. Use Water:		No			
Contam. Migrated:		No			
Contact Natural Env.:		No			
Near Body of Water:		No			
Approx. Quant. Rel.:		1-2 L			
Equipment Model:					
Serial No:					
Residential App. Type:					
Commercial App. Type:					
Industrial App. Type:					
Institutional App. Type:					
Venting Type:					
Vent Connector Mater:					
Vent Chimney Mater:					
Pipeline Type:					
Pipeline Involved:					
Pipe Material:					
Depth Ground Cover:					
Regulator Location:					
Regulator Type:					

20 erisinfo.com | Environmental Risk Information Services Order No: 20171214077

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Postal Code: City: Address2: Address1: Provstate: Order No.: 20131118022 Addit. Info Ordered:: Fire Insur. Maps and/or Site Plans; Title Searches; City Directory; Aerial Photos Report Date: 27-NOV-13 Report Type: Standard Report Search Radius (km): .25					
10	1 of 1	ENE/86.2	69.9	411 Nelson St Ottawa ON K1N7S6	EHS
Postal Code: K1N7S6 City: Ottawa Address2: Address1: 411 Nelson St Provstate: ON Order No.: 20151207128 Addit. Info Ordered:: City Directory Report Date: 14-DEC-15 Report Type: Custom Report Search Radius (km): .25					
11	1 of 1	WNW/87.3	71.9	ESSO PETROLEUM CANADA 120 OSGOODE STREET TANK TRUCK (CARGO) OTTAWA CITY ON K1N 6S2	SPL
Ref No: 58041 Contaminant Name: Contaminant Code: Contaminant Limit 1: Contam. Limit Freq 1: Contaminant UN No 1: Contaminant Qty: MOE Reported Dt: 10/1/1991 Health/Env Conseq: Incident Dt: 10/1/1991 Incident Cause: PIPE/HOSE LEAK Incident Event: Incident Reason: OVERSTRESS/OVERPRESSURE Incident Summary: ESSO: 1 L FURNACE OIL TO LAND DURING FILLING Site Address: Site Conc: Site Lot: Site County/District: Site Municipality: 20101 Site Postal Code: Sector Type: Source Type: Receiving Medium: LAND Receiving Env: Environment Impact: NOT ANTICIPATED Nature of Impact: SAC Action Class:					
12	1 of 3	WSW/95.3	72.0	UNIVERSITY OF OTTAWA 39-419 631 KING EDWARD AVENUE, FULCRUM OTTAWA ON K1N 6N5	GEN
Generator No.: ON0179307 Status: Approval Years: 92,93,95,96,97 Contam. Facility: MHSW Facility: SIC Code: 8531 SIC Description: UNIVERSITY EDUCATION PO Box No.: Country: Choice of Contact: Co Admin: Phone No. Admin:					
--Details-- Waste Code: 264					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Waste Description:		PHOTOPROCESSING WASTES			
12	2 of 3	WSW/95.3	72.0	UNIVERSITY OF OTTAWA 631 KING EDWARD AVENUE C/O 550 CUMBERLAND STREET OTTAWA ON K1N 6N5	GEN
Generator No.:		ON0179307		PO Box No.:	
Status:				Country:	
Approval Years:		94		Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No. Admin:	
SIC Code:		8531			
SIC Description:		UNIVERSITY EDUCATION			
--Details--					
Waste Code:		264			
Waste Description:		PHOTOPROCESSING WASTES			
12	3 of 3	WSW/95.3	72.0	UNIVERSITY OF OTTAWA FULCRUM 631 KING EDWARD AVENUE OTTAWA ON K1N 6N5	GEN
Generator No.:		ON0179307		PO Box No.:	
Status:				Country:	
Approval Years:		98,99,00,01		Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No. Admin:	
SIC Code:		8531			
SIC Description:		UNIVERSITY EDUCATION			
--Details--					
Waste Code:		264			
Waste Description:		PHOTOPROCESSING WASTES			
13	1 of 1	SSE/95.9	70.6	139 HENDERSON AVE, OTTAWA ON	PINC
Incident ID:				Health Impact:	
Incident No:		1293766		Environment Impact:	
Type:		FS-Pipeline Incident		Property Damage:	
Status Code:		Pipeline Damage Reason Est		Yes	
Fuel Occurrence Tp:				Service Interrupt:	
Fuel Type:				Enforce Policy:	
Tank Status:		RC Established		Yes	
Task No:		4731816		Public Relation:	
Spills Action Centre:				Pipeline System:	
Method Details:		E-mail		Depth:	
Fuel Category:		Natural Gas		Pipe Material:	
Date of Occurrence:				PSIG:	
Occurrence Start Date:		2013/11/25		Attribute Category:	
Operation Type:				FS-Perform P-line Inc Invest	
Pipeline Type:				Regualtor Location:	
Regulator Type:					
Summary:		139 HENDERSON AVE, OTTAWA - PIPELINE HIT - 1/2"			
Reported By:		David Barclay			
Affiliation:					
Occurrence Desc:					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Damage Reason: Notes:		Excavation practices not sufficient			
14	1 of 1	E/97.8	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			
15	1 of 1	SSE/116.3	69.3	149 Henderson Ave Ottawa ON K1N7P5	EHS
Postal Code:		K1N7P5			
City:		Ottawa			
Address2:					
Address1:		149 Henderson Ave			
Provstate:		ON			
Order No.:		20160414003			
Addit. Info Ordered::					
Report Date:		19-APR-16			
Report Type:		Custom Report			
Search Radius (km):		.25			
16	1 of 2	SSE/120.3	69.3	8550107 Canada Inc. 149 Henderson Ave Ottawa ON K1N 7S8	ECA
Approval No:		2216-A77NFC		SWP Area Name:	
Status:		Approved		MOE District:	
Date:		2016-03-10		City:	
Record Type:		ECA		Latitude:	
Link Source:		IDS		Longitude:	
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/8657-A5BK26-14.pdf			
16	2 of 2	SSE/120.3	69.3	149 HENDERSON AVE, OTTAWA ON	PINC
Incident ID:		Health Impact:			
Incident No:		1859080		Environment Impact:	
Type:		FS-Pipeline Incident		Property Damage:	
Status Code:		Pipeline Damage Reason Est		Service Interupt:	
Fuel Occurrence Tp:				Enforce Policy:	
Fuel Type:				Public Relation:	
Tank Status:		RC Established		Pipeline System:	
Task No:		6157549		Depth:	
Spills Action Centre:				Pipe Material:	
Method Details:		E-mail		PSIG:	
Fuel Category:		Natural Gas		Attribute Category:	
				FS-Perform P-line Inc Invest	

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Date of Occurrence: Occurrence Start Date: 2016/09/30 Operation Type: Pipeline Type: Regulator Type: Summary: 149 HENDERSON AVE, OTTAWA - PIPELINE HIT - 1" Reported By: Chad Loveland - Enbridge Gas Affiliation: Occurrence Desc: Damage Reason: Facility marking or location not sufficient Notes:					
17	1 of 2	NNE/122.0	70.8	146 through 170 Osgoode Street Ottawa ON K1N 6S6	EHS
Postal Code: City: Address2: Address1: Provstate: Order No.: 20070723006 Addit. Info Ordered:: Fire Insur. Maps And /or Site Plans; Title Search; City Directory Report Date: 7/24/2007 Report Type: CAN - Waste Disposal Site Report Search Radius (km): 0.5					
17	2 of 2	NNE/122.0	70.8	146 - 170 Osgoode Street Ottawa ON K1N 6S6	EHS
Postal Code: City: Address2: Address1: Provstate: Order No.: 20110610026 Addit. Info Ordered:: Report Date: 6/17/2011 Report Type: Custom Report Search Radius (km): 0.25					
18	1 of 3	NNW/126.2	72.9	ECOLE FRANCOJEUNESSE 119 OSGOODE ST. OTTAWA ON K1N 6S3	GEN
Generator No.: ON0269200 Status: Approval Years: 86,87,88,89,90,92,93,94 Contam. Facility: MHSW Facility: SIC Code: 0000 SIC Description: *** NOT DEFINED ***					
PO Box No.: Country: Choice of Contact: Co Admin: Phone No. Admin:					
18	2 of 3	NNW/126.2	72.9	CONSEIL (SEE & USE ON1879403) FRANCOJEUNESSE 119 RUE OSGOODE OTTAWA ON K1N 6S3	GEN
Generator No.: ON1285711 Status:					
PO Box No.: Country:					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description:	93,94,95,96,97,98 8511	ELEMT./SECON. EDUC.		Choice of Contact: Co Admin: Phone No. Admin:	
--Details--					
Waste Code: Waste Description:	243 PCB'S				
18	3 of 3	NNW/126.2	72.9	CONSEIL DES ECOLES PUBLIQUES ECOLE ELEMENTAIRE PUBLIQUE FRANCOJEUNESSE, 119, RUE OSGOODE OTTAWA ON K1N 6S3	GEN
Generator No.: Status: Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description:	ON1879403 94,95,96,97,98 8511	ELEMT./SECON. EDUC.		PO Box No.: Country: Choice of Contact: Co Admin: Phone No. Admin:	
--Details--					
Waste Code: Waste Description:	243 PCB'S				
19	1 of 4	W/128.8	71.6	OTTAWA CITY OSGOODE ST/KING EDWARD AVE. OTTAWA 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::	3-0434-98- 98 4/30/1998 Municipal sewage Approved				
19	2 of 4	W/128.8	71.6	R.M. OF OTTAWA-CARLETON OSGOODE ST/KING EDWARD AVE. OTTAWA ON	CA
Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name:: Client Address:: Client City:: Client Postal Code::	7-0277-98- 98 4/30/1998 Municipal water Approved				

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Project Description:: Contaminants:: Emission Control::					
19	3 of 4	W/128.8	71.6	PRIVATE OWNER U OF OTTAWA CAMPUS, CORNER THOMAS MORE & KING EDWARD STREETS TRANSPORT TRUCK (CARGO) OTTAWA CITY ON	SPL
Ref No: 114294 Contaminant Name: Contaminant Code: Contaminant Limit 1: Contam. Limit Freq 1: Contaminant UN No 1: Contaminant Qty: MOE Reported Dt: 6/10/1995 Health/Env Conseq: Incident Dt: 6/10/1995 Incident Cause: PIPE/HOSE LEAK Incident Event: Incident Reason: UNKNOWN Incident Summary: PROFESSIONAL MOBILE WASH-UNK QTY HYDRAULIC OIL TO ROAD,C-BASIN.CLEANED.W/D.		Site Address: Site Conc: Site Lot: Site County/District: Site Municipality: 20101 Site Postal Code: Sector Type: Source Type: Receiving Medium: LAND / WATER Receiving Env: Environment Impact: POSSIBLE Nature of Impact: Water course or lake SAC Action Class:			
19	4 of 4	W/128.8	71.6	CONTRACTOR KING EDWARD & OSGOOD (N.O.S.) OTTAWA CITY ON	SPL
Ref No: 128470 Contaminant Name: Contaminant Code: Contaminant Limit 1: Contam. Limit Freq 1: Contaminant UN No 1: Contaminant Qty: MOE Reported Dt: 6/27/1996 Health/Env Conseq: Incident Dt: 6/27/1996 Incident Cause: PIPE/HOSE LEAK Incident Event: Incident Reason: ERROR Incident Summary: CONTRACTOR-40 MIN NATURALGAS RELEASE,UG LINE STRUCK,MINOR EVACUATION.		Site Address: Site Conc: Site Lot: Site County/District: Site Municipality: 20101 Site Postal Code: Sector Type: Source Type: Receiving Medium: AIR Receiving Env: Environment Impact: NOT ANTICIPATED Nature of Impact: SAC Action Class:			
20	1 of 1	W/130.3	71.6	ON	BORE
Borehole ID: 808836 Use: Geotechnical/Geological Investigation Drill Method:: Power auger Easting:: 446681.49 Location Accuracy:: Elev. Reliability Note:: Total Depth m:: 9.3 Township:: Lot:: Completion Date:: 22-JAN-1965		Type: Borehole Status:: UTM Zone:: 18 Northing:: 5030241.41 Orig. Ground Elev m:: 69.8 DEM Ground Elev m:: 70.1 Primary Name:: BH 241 Concession:: Municipality: Static Water Level:: 3.9			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Primary Water Use::				Sec. Water Use::	
--Details--					
Stratum ID:	218597876			Top Depth(m):	0.0
Bottom Depth(m):	0.6			Stratum Desc:	Loose Fill-Misc Gravel
Stratum ID:	218597877			Top Depth(m):	0.6
Bottom Depth(m):	1.5			Stratum Desc:	Orange to Brown Compact Sand Trace: Si
Stratum ID:	218597878			Top Depth(m):	1.5
Bottom Depth(m):	9.3			Stratum Desc:	Grey-Brown to Grey Stiff Silty Clay
21	1 of 3	SW/142.9	70.9	UNIVERSITY OF OTTAWA 100 THOMAS MORE STREET THOMAS MORE STREET OTTAWA ON K1N 1E3	NPCB
Company Code:		O1077			
Industry:					
Site Status:					
Transaction Date:					
Inspection Date:					
--Details--					
Label:					
Serial No.:					
PCB Type/Code:					
Location:					
Item/State:					
No. of Items:					
Manufacturer:					
Status:		In-Use			
Contents:					
21	2 of 3	SW/142.9	70.9	UNIVERSITY OF OTTAWA 100 THOMAS MORE STREET BOX 450- STN. A Ottawa ON K1N 1E3	NPCB
Company Code:		O1077			
Industry:		School/Care/Facility			
Site Status:		In- Use			
Transaction Date:		8/27/1996			
Inspection Date:					
--Details--					
Label:					
Serial No.:					
PCB Type/Code:		Askarel/Askarel			
Location:		MONTPETIT PAVILLION - BASEMENT			
Item/State:					
No. of Items:					
Manufacturer:					
Status:		In-Use			
Contents:					
21	3 of 3	SW/142.9	70.9	UNIVERSITY OF OTTAWA BOX 450-STN. A 100 THOMAS MORE STREET OTTAWA ON K1N 1E3	NPCB

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Company Code: O1077 Industry: SCHOOL/CARE/FACILITY Site Status: POTENTIAL FOR INSPECTION (TR) Transaction Date: 12/7/1999 Inspection Date:					
--Details-- Label: OR24137 Serial No.: G-3133-1 PCB Type/Code: ASKAREL/ASKAREL Location: MONTPETIT PAVILLION - BASEMENT Item/State: TRANSFORMER/FULL No. of Items: 1 Manufacturer: PIONEER Status: IN-USE Contents: 409.5 L					
22	1 of 1	SE/147.4	66.2	R.M. OF OTTAWA-CARLETON SOMERSET ST./NELSON ST. OTTAWA CITY ON	CA
Certificate #: 7-0780-96- Application Year: 96 Issue Date: 8/16/1996 Approval Type: Municipal water Status: Approved Application Type: Client Name:: Client Address:: Client City:: Client Postal Code:: Project Description:: Contaminants:: Emission Control::					
23	1 of 1	W/151.3	70.9	ON	BORE
Borehole ID: 613459 Use: Drill Method:: Easting:: 446661 Location Accuracy:: Elev. Reliability Note:: Total Depth m:: -999 Township:: Lot:: Completion Date:: JUL-1970 Primary Water Use::					
Type: Borehole Status:: UTM Zone:: 18 Northing:: 5030222 Orig. Ground Elev m:: 70.2 DEM Ground Elev m:: 69.8 Primary Name:: Concession:: Municipality: Static Water Level:: -999.9 Sec. Water Use::					
--Details-- Stratum ID: 218395243 Bottom Depth(m): 0.8 Stratum ID: 218395244 Bottom Depth(m): 1.5 Stratum ID: 218395245 Bottom Depth(m): 3.8					
Top Depth(m): 0.0 Stratum Desc: ARTIFICIAL. Top Depth(m): 0.8 Stratum Desc: SAND. LOOSE,FISSURED. Top Depth(m): 1.5 Stratum Desc: CLAY. BROWN,GREY,VERY STIFF.					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Stratum ID: Bottom Depth(m):	218395246 5.3			Top Depth(m): Stratum Desc:	3.8 CLAY. GREY,SOFT TO STIFF,FISSURED.
Stratum ID: Bottom Depth(m):	218395247 6.9			Top Depth(m): Stratum Desc:	5.3 CLAY. GREY,STIFF,FISSURED.
Stratum ID: Bottom Depth(m):	218395248 12.2			Top Depth(m): Stratum Desc:	6.9 CLAY. GREY,SOFT TO STIFF.
Stratum ID: Bottom Depth(m):	218395249 13.7			Top Depth(m): Stratum Desc:	12.2 CLAY. GREY,STIFF.
Stratum ID: Bottom Depth(m):	218395250 13.9			Top Depth(m): Stratum Desc:	13.7 UNSPECIFIED. DENSE.
Stratum ID: Bottom Depth(m):	218395251			Top Depth(m): Stratum Desc:	13.9 BEDROCK. 00000 018 00025 009 00050 050 00125 075 00175 066 00225 040 00400

<u>24</u>	1 of 1	N/165.5	71.8	359 NELSON STREET, OTTAWA ON	INC
Incident No:	1019064				
Incident ID:					
Attribute Category:	FS-Perform L1 Incident Insp				
Status Code:					
Incident Location:	359 NELSON STREET, OTTAWA - VAPOUR RELEASE				
Drainage System:					
Sub Surface Contam.:					
Aff. Prop. Use Water:					
Contam. Migrated:					
Contact Natural Env.:					
Near Body of Water:					
Approx. Quant. Rel.:					
Equipment Model:					
Serial No:					
Residential App. Type:					
Commercial App. Type:					
Industrial App. Type:					
Institutional App. Type:					
Venting Type:					
Vent Connector Mater:					
Vent Chimney Mater:					
Pipeline Type:					
Pipeline Involved:					
Pipe Material:					
Depth Ground Cover:					
Regulator Location:					
Regulator Type:					
Operation Pressure:					
Liquid Prop Make:					
Liquid Prop Model:					
Liquid Prop Serial No:					
Equipment Type:					
Cylinder Capacity:					
Cylinder Capac. Units:					
Cylinder Material Type:					
Tank Capacity:					
Fuels Occurrence Type:	Vapour Release				
Fuel Type Involved:	Propane				
Date of Occurrence:	2013/01/26 00:00:00				
Time of Occurrence:	20:00:00				
Occur Insp Start Date:	2013/01/27 00:00:00				

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Depth Ground Cover: Regulator Location: Regulator Type: Operation Pressure: Liquid Prop Make: Liquid Prop Model: Liquid Prop Serial No: Equipment Type: Cylinder Capacity: Cylinder Capac. Units: Cylinder Material Type: Tank Capacity: Fuels Occurrence Type: CO Release Fuel Type Involved: Natural Gas Date of Occurrence: 2015/12/17 00:00:00 Time of Occurrence: 19:00:00 Occur Insp Start Date: 2015/12/18 00:00:00 Any Health Impact: No Any Environmental Impact: No Was Service Interrupted: Yes Was Property Damaged: No Operation Type Involved: Multi-unit Residential Enforcement Policy: NULL Prc Escalation Required: NULL Task No: 5981680 Notes: Occurrence Narrative: Co level detected at 144ppm in rental building Tank Material Type: Tank Storage Type: Tank Location Type: Pump Flow Rate Capac: Liquid Prop Notes:					
27	1 of 1	S/177.4	70.9	191 SOMERSET STREET EAST OTTAWA ON K1N 6V1	HINC
External File Num: FS INC 0711-06704 Date of Occurrence: 10/25/2007 Fuel Occurrence Type: Pipeline Strike Fuel Type Involved: Natural Gas Status Desc:: Completed - Causal Analysis(End) Job Type Desc:: Incident/Near-Miss Occurrence (FS) Oper. Type Involved:: Construction Site (pipeline strike) Service Interruptions:: Yes Property Damage:: Yes Fuel Life Cycle Stage:: Transmission, Distribution and Transportation Root Cause:: Root Cause: Equipment/Material/Component:No Procedures:Yes Maintenance:No Design:No Training:No Management:No Human Factors:Yes Reported Details:: Fuel Category:: Gaseous Fuel Occurrence Type:: Incident Affiliation:: Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.) County Name:: Ottawa Approx. Quant. Rel:: Nearby body of water:: Enter Drainage Syst:: Approx. Quant. Unit:: Environmental Impact::					
28	1 of 1	ESE/178.4	60.9	250 Somerset Street East Ottawa ON K1N 6V6	EHS

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Postal Code: City: Address2: Address1: Provstate: Order No.: 20080327003 Addit. Info Ordered:: Fire Insur. Maps And /or Site Plans Report Date: 4/4/2008 Report Type: Complete Report Search Radius (km): 0.25					
29	1 of 2	NE/189.0	70.6	City of Ottawa Blackburn Avenue, Chapel Street Ottawa ON K1V 6A6	ECA
Approval No: 2328-5B9JEF Status: Approved Date: 2002-06-19 Record Type: ECA Link Source: IDS Project Type: Municipal and Private Water Works Approval Type: ECA-Municipal and Private Water Works Full Address: Full PDF Link:					
				SWP Area Name: Rideau Valley MOE District: Ottawa City: Latitude: 45.425000000000004 Longitude: -75.6785	
29	2 of 2	NE/189.0	70.6	City of Ottawa Blackburn Avenue, Chapel Street Ottawa ON K1V 6A6	ECA
Approval No: 0963-5B9HS6 Status: Approved Date: 2002-06-19 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/2338-5B4PFF-14.pdf					
				SWP Area Name: Rideau Valley MOE District: Ottawa City: Latitude: 45.425000000000004 Longitude: -75.6785	
30	1 of 1	NNE/192.1	70.6	Enbridge Gas Distribution Inc. 63 Sweetland Avenue Ottawa ON	SPL
Ref No: 4517-8Y6RJM Contaminant Name: NATURAL GAS (METHANE) Contaminant Code: 35 Contaminant Limit 1: Contam. Limit Freq 1: Contaminant UN No 1: Contaminant Qty: 0 kg MOE Reported Dt: 15-SEP-12 Health/Env Conseq: Incident Dt: 15-SEP-12 Incident Cause: Unknown / N/A Incident Event: Incident Reason: Unknown / N/A Incident Summary: TSSA: 1-1/4" Line Strike - made safe					
				Site Address: 63 Sweetland Avenue Site Conc: Site Lot: Site County/District: Site Municipality: Ottawa Site Postal Code: Sector Type: Pipeline/Components Source Type: Receiving Medium: Receiving Env: Environment Impact: Confirmed Nature of Impact: Air Pollution SAC Action Class: TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill	

33 erisinfo.com | Environmental Risk Information Services Order No: 20171214077

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
34	1 of 1	W/202.8	70.6	ON	BORE
Borehole ID:	613463			Type:	Borehole
Use:				Status::	
Drill Method::				UTM Zone::	18
Easting::	446611			Northing::	5030262
Location Accuracy::				Orig. Ground Elev m::	70
Elev. Reliability Note::				DEM Ground Elev m::	70.6
Total Depth m::	14.7			Primary Name::	
Township::				Concession::	
Lot::				Municipality:	
Completion Date::	JUL-1970			Static Water Level::	-999.9
Primary Water Use::				Sec. Water Use::	
--Details--					
Stratum ID:	218395266			Top Depth(m):	0.0
Bottom Depth(m):	0.3			Stratum Desc:	ARTIFICIAL.
Stratum ID:	218395267			Top Depth(m):	0.3
Bottom Depth(m):	0.8			Stratum Desc:	SAND. DENSE.
Stratum ID:	218395268			Top Depth(m):	0.8
Bottom Depth(m):	1.5			Stratum Desc:	SAND-FINE. DENSE.
Stratum ID:	218395269			Top Depth(m):	1.5
Bottom Depth(m):	8.4			Stratum Desc:	CLAY. BROWN,GREY,VERY SOFT,FISSURED.
Stratum ID:	218395270			Top Depth(m):	8.4
Bottom Depth(m):	9.9			Stratum Desc:	CLAY. GREY,SOFT.
Stratum ID:	218395271			Top Depth(m):	9.9
Bottom Depth(m):	10.4			Stratum Desc:	SILT. DENSE.
Stratum ID:	218395272			Top Depth(m):	10.4
Bottom Depth(m):	12.6			Stratum Desc:	UNSPECIFIED. DENSE.
Stratum ID:	218395273			Top Depth(m):	12.6
Bottom Depth(m):	13.1			Stratum Desc:	ROCK. WEATHERED.
Stratum ID:	218395274			Top Depth(m):	13.1
Bottom Depth(m):	14.7			Stratum Desc:	BEDROCK. 00010 015 00025 008 00050 055 00275 040 00325 028 00340 010 0001
35	1 of 1	S/204.0	70.3	ON	BORE
Borehole ID:	613421			Type:	Borehole
Use:				Status::	
Drill Method::				UTM Zone::	18
Easting::	446781			Northing::	5030032
Location Accuracy::				Orig. Ground Elev m::	68.6
Elev. Reliability Note::				DEM Ground Elev m::	67.8
Total Depth m::	19.3			Primary Name::	
Township::				Concession::	
Lot::				Municipality:	
Completion Date::	JUN-1970			Static Water Level::	-999.9
Primary Water Use::				Sec. Water Use::	

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
--Details--					
Stratum ID:	218395088			Top Depth(m):	7.2
Bottom Depth(m):	9.6			Stratum Desc:	TILL. LOOSE.
Stratum ID:	218395089			Top Depth(m):	9.6
Bottom Depth(m):	12.6			Stratum Desc:	BOULDERS. DENSE.
Stratum ID:	218395090			Top Depth(m):	12.6
Bottom Depth(m):	16.6			Stratum Desc:	BOULDERS. VERY DENSE.
Stratum ID:	218395091			Top Depth(m):	16.6
Bottom Depth(m):	19.3			Stratum Desc:	BEDROCK. 00000 035 00055 040 00100 062 00155 050 00200 020 00235 010 00315
Stratum ID:	218395083			Top Depth(m):	0.0
Bottom Depth(m):	1.7			Stratum Desc:	ARTIFICIAL.
Stratum ID:	218395084			Top Depth(m):	1.7
Bottom Depth(m):	3.0			Stratum Desc:	CLAY. BROWN,GREY,HARD,FISSURED.
Stratum ID:	218395085			Top Depth(m):	3.0
Bottom Depth(m):	4.7			Stratum Desc:	CLAY. BROWN,GREY, VERY STIFF TO STIFF,FISSURED.
Stratum ID:	218395086			Top Depth(m):	4.7
Bottom Depth(m):	6.1			Stratum Desc:	CLAY. GREY,STIFF,FISSURED.
Stratum ID:	218395087			Top Depth(m):	6.1
Bottom Depth(m):	7.2			Stratum Desc:	SILT. DENSE.

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1 of 1

SW/206.9

70.9

ON

BORE

Borehole ID:	613430	Type:	Borehole
Use:		Status::	
Drill Method::		UTM Zone::	18
Easting::	446671	Northing::	5030082
Location Accuracy::		Orig. Ground Elev m::	71.2
Elev. Reliability Note::		DEM Ground Elev m::	69.8
Total Depth m::	16.5	Primary Name::	
Township::		Concession::	
Lot::		Municipality:	
Completion Date::	APR-1971	Static Water Level::	-999.9
Primary Water Use::		Sec. Water Use::	

--Details--					
Stratum ID:	218395130	Top Depth(m):	11.6	Stratum Desc:	UNSPECIFIED. VERY DENSE.
Bottom Depth(m):	13.4				
Stratum ID:	218395131	Top Depth(m):	13.4	Stratum Desc:	BEDROCK. 00000 015 00055 058 00125 075 00205 017 00225 052 00275 040 00315
Bottom Depth(m):	16.5				
Stratum ID:	218395123	Top Depth(m):	0.0	Stratum Desc:	ARTIFICIAL.
Bottom Depth(m):	1.7				
Stratum ID:	218395124	Top Depth(m):	1.7	Stratum Desc:	CLAY. BROWN,GREY,VERY STIFF TO HARD,FISSURED.
Bottom Depth(m):	3.8				

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Stratum ID: Bottom Depth(m):	218395125 6.2			Top Depth(m): Stratum Desc:	3.8 CLAY. BROWN,GREY,STIFF,FISSURED.
Stratum ID: Bottom Depth(m):	218395126 6.9			Top Depth(m): Stratum Desc:	6.2 CLAY. SOFT.
Stratum ID: Bottom Depth(m):	218395127 8.4			Top Depth(m): Stratum Desc:	6.9 CLAY. BROWN,GREY, STIFF TO VERY STIFF,FISSURED.
Stratum ID: Bottom Depth(m):	218395128 9.6			Top Depth(m): Stratum Desc:	8.4 CLAY. STIFF.
Stratum ID: Bottom Depth(m):	218395129 11.6			Top Depth(m): Stratum Desc:	9.6 UNSPECIFIED. DENSE.
37	1 of 1	NNE/214.8	70.9	Greg Statler 55 Sweetland Ottawa ON K1N 7T7	GEN
Generator No.: Status: Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description:	ON9098417 02,03,04 			PO Box No.: Country: Choice of Contact: Co Admin: Phone No. Admin:	
--Details-- Waste Code: Waste Description:	 221 LIGHT FUELS				
38	1 of 1	SW/220.8	70.9	145 Jean Jacques Lussier Private Ottawa ON	EHS
Postal Code: City: Address2: Address1: Provstate: Order No.: Addit. Info Ordered:: Report Date: Report Type: Search Radius (km):	 Ottawa 145 Jean Jacques Lussier Private ON 20150112088 City Directory; Aerial Photos 19-JAN-15 Custom Report .25				
39	1 of 1	SSW/221.1	70.9	ON	BORE
Borehole ID: Use: Drill Method:: Easting:: Location Accuracy:: Elev. Reliability Note:: Total Depth m:: Township:: Lot:: Completion Date:: Primary Water Use::	806992 Geotechnical/Geological Investigation Hollow stem auger 446724.49 58.2 07-NOV-2000 Primary Water Use::			Type: Status:: UTM Zone:: Northing:: Orig. Ground Elev m:: DEM Ground Elev m:: Primary Name:: Concession:: Municipality: Static Water Level:: Sec. Water Use::	Borehole 18 5030030.64 69.7 69.2 BH 114 -999.9

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
--Details--					
Stratum ID:	218591047			Top Depth(m):	0.0
Bottom Depth(m):	0.2			Stratum Desc:	Asphalt
Stratum ID:	218591048			Top Depth(m):	0.2
Bottom Depth(m):	0.4			Stratum Desc:	Base
Stratum ID:	218591049			Top Depth(m):	0.4
Bottom Depth(m):	1.2			Stratum Desc:	Grey to Black Fill-Misc clay silt Trace: Gr Tr Org M Tr Constr Debris
Stratum ID:	218591050			Top Depth(m):	1.2
Bottom Depth(m):	6.3			Stratum Desc:	Brown Silty Clay Trace: Sa
Stratum ID:	218591051			Top Depth(m):	6.3
Bottom Depth(m):	8.8			Stratum Desc:	Grey Silty Clay
Stratum ID:	218591052			Top Depth(m):	8.8
Bottom Depth(m):	16.8			Stratum Desc:	Grey Till clay silt Trace: Sa Tr Gr Tr Cob Tr Blds
Stratum ID:	218591053			Top Depth(m):	16.8
Bottom Depth(m):	25.5			Stratum Desc:	Bedrock LINDSAY FORMATION
Stratum ID:	218591054			Top Depth(m):	25.5
Bottom Depth(m):	35.2			Stratum Desc:	Bedrock
Stratum ID:	218591055			Top Depth(m):	35.2
Bottom Depth(m):	46.0			Stratum Desc:	Bedrock VERULAM FORMATION
Stratum ID:	218591056			Top Depth(m):	46.0
Bottom Depth(m):	58.2			Stratum Desc:	Grey Bedrock Limestone
40	1 of 1	N/224.4	72.9	Nelson Place Apartments Inc. 305 Nelson St Ottawa ON K2C 1V1	ECA
Approval No:	6360-79LKH7			SWP Area Name:	Rideau Valley
Status:	Approved			MOE District:	Ottawa
Date:	2007-12-05			City:	
Record Type:	ECA			Latitude:	45.425529999999995
Link Source:	IDS			Longitude:	-75.68024
Project Type:	Air				
Approval Type:	ECA-Air				
Full Address:					
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/6240-73WS3C-14.pdf				
41	1 of 3	NW/228.7	70.9	UNIVERSITY OF OTTAWA 555 KING EDWARD AVENUE OTTAWA ON K1N 7N5	39-482 GEN
Generator No.:	ON0179309			PO Box No.:	
Status:				Country:	
Approval Years:	93,95,96,97			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No. Admin:	
SIC Code:	8531				
SIC Description:	UNIVERSITY EDUCATION				
--Details--					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Waste Code: Waste Description:		312 PATHOLOGICAL WASTES			
41	2 of 3	NW/228.7	70.9	UNIVERSITY OF OTTAWA 39-482 555 KING EDWARD C/O 555 CUMBERLAND AVE. BOX 450 STN A OTTAWA ON K1N 7N5	GEN
Generator No.: Status: Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description:		ON0179309 94 8531 UNIVERSITY EDUCATION	PO Box No.: Country: Choice of Contact: Co Admin: Phone No. Admin:		
<u>--Details--</u> Waste Code: Waste Description:		312 PATHOLOGICAL WASTES			
41	3 of 3	NW/228.7	70.9	UNIVERSITY OF OTTAWA 555 KING EDWARD AVENUE OTTAWA ON K1N 7N5	GEN
Generator No.: Status: Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description:		ON0179309 98,99,00,01 8531 UNIVERSITY EDUCATION	PO Box No.: Country: Choice of Contact: Co Admin: Phone No. Admin:		
<u>--Details--</u> Waste Code: Waste Description:		312 PATHOLOGICAL WASTES			
42	1 of 1	ESE/233.1	57.9	ON	BORE
Borehole ID: Use: Drill Method:: Easting:: Location Accuracy:: Elev. Reliability Note:: Total Depth m:: Township:: Lot:: Completion Date:: Primary Water Use::		803762 Geotechnical/Geological Investigation Hollow stem auger 447030.04 2 27-JAN-1984	Type: Status:: UTM Zone:: Northing:: Orig. Ground Elev m:: DEM Ground Elev m:: Primary Name:: Concession:: Municipality: Static Water Level:: Sec. Water Use::		
 Borehole ID: Use: Drill Method:: Easting:: Location Accuracy:: Elev. Reliability Note:: Total Depth m:: Township:: Lot:: Completion Date:: Primary Water Use::		 803762 Geotechnical/Geological Investigation Hollow stem auger 447030.04 2 27-JAN-1984	 Type: Status:: UTM Zone:: Northing:: Orig. Ground Elev m:: DEM Ground Elev m:: Primary Name:: Concession:: Municipality: Static Water Level:: Sec. Water Use::		
<u>--Details--</u> Stratum ID: Bottom Depth(m):		218577844 0.1	Top Depth(m): Stratum Desc:		
Stratum ID: Bottom Depth(m):		218577845 0.4	Top Depth(m): Stratum Desc:		

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
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
43	1 of 1	NE/239.8	70.9	60 Russell Avenue Ottawa ON	EHS
Postal Code: City: Address2: Address1: Provstate: Order No.: 20120621010 Addit. Info Ordered:: Report Date: 27-JUN-12 Report Type: Custom Report Search Radius (km): .25					
44	1 of 2	SE/244.0	58.4	City of Ottawa 250 Somerset St E Ottawa ON K1N 6V6	CA
Certificate #: 6722-7BSL6V Application Year: 2008 Issue Date: 3/25/2008 Approval Type: Air Status: Approved Application Type: Client Name:: Client Address:: Client City:: Client Postal Code:: Project Description:: Contaminants:: Emission Control::					
44	2 of 2	SE/244.0	58.4	250 SOMERSET STREET EAST OTTAWA ON K1N 6V6	HINC
External File Num: FS INC 0805-02456 Date of Occurrence: 5/14/2008 Fuel Occurrence Type: Pipeline Strike Fuel Type Involved: Natural Gas Status Desc:: Completed - Causal Analysis(End) Job Type Desc:: Incident/Near-Miss Occurrence (FS) Oper. Type Involved:: Construction Site (pipeline strike) Service Interruptions:: Yes Property Damage:: Yes Fuel Life Cycle Stage:: Transmission, Distribution and Transportation Root Cause:: Root Cause: Equipment/Material/Component:No Procedures:No Maintenance:No Design:No Training:Yes Management:Yes Human Factors:Yes Reported Details:: Fuel Category:: Gaseous Fuel Occurrence Type:: Incident Affiliation:: Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.) County Name:: Ottawa Approx. Quant. Rel:: Nearby body of water::					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Enter Drainage Syst.: Approx. Quant. Unit.: Environmental Impact.:					

45	1 of 1	SSW/247.3	70.9	University of Ottawa Bioscience, 20 Marie Curie, Lot E, Concession D Ottawa 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::		3690-5VGTYM 2004 6/22/2004 Air Approved			

Unplottable Summary

Total: **32** Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	City of Ottawa	King Edward Avenue	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	R.M. OF OTTAWA-CARLETON NELSON ST.	NELSON ST.	OTTAWA CITY ON	
CA	City of Ottawa	King Edward Avenue (from King Edward Avenue to MacDonald Cartier Bridge)	Ottawa ON	
CA	CITY	SWEETLAND AVE.	OTTAWA ON	
CA	City of Ottawa	King Edward Ave	Ottawa ON	
CA	City of Ottawa	King Edward Ave	Ottawa ON	
CA	UNIVERSITY OF OTTAWA, DEPT. OF HUMAN KIN	UNIVERSITY ST., MONPETIT HALL	OTTAWA CITY ON	
CA	UNIVERSITY OF OTTAWA - CAMPUS	MARIE CURRIE/GLINSKI	OTTAWA CITY ON	
CA	UNIVERSITY OF OTTAWA	MARIE CURRIE/GLINSKI - CAMPUS	OTTAWA CITY ON	
CA	REG.MUN.OF OTTAWA- CARLETON	SWEETLAND AVE.	OTTAWA ON	
CONV	IMPERIAL OIL LIMITED		NORTH YORK ON	
CONV	IMPERIAL OIL LIMITED		DON MILLS ON	
EBR	University of OttawaDepartment of Human Kinetics	University Street	City of Ottawa ON	
EBR	University of Ottawa		City of Ottawa ON	

ECA	City of Ottawa	Somerset Street East	Ottawa ON	K2G 6J8
ECA	City of Ottawa	Somerset Street East	Ottawa ON	K2G 6J8
NPCB	ONTARIO HYDRO	KING EDWARD T.S.; R.M. OTTAWA-CARLETON/R.P. 4358	OTTAWA ON	
NPCB	ONTARIO HYDRO	R.M. OTTAWA-CARLETON/R.P 4358 KING EDWARD T.S.	OTTAWA ON	
SPL	OTTAWA-CARLETON TRANSPORT	TRANSIT-WAY AT THE UNIVERSITY OF OTTAWA BUS	OTTAWA CITY ON	
SPL	UNKNOWN	AT UNIVERSITY OF OTTAWA CAMPUS	OTTAWA CITY ON	
SPL	Esso Petroleum Canada, A Division of Imperial Oil Limited	Nepean	Ottawa ON	
SPL	PRIVATE OWNER	KING EDWARD AVE. NORTH OF RIDEAU. MOTOR VEHICLE (OPERATING FLUID)	OTTAWA CITY ON	
SPL	UNIVERSITY OF OTTAWA	KING EDWARD	OTTAWA CITY ON	
SPL	UNIVERSITY OF OTTAWA		OTTAWA CITY ON	
SPL	ESSO PETROLEUM CANADA	BULK STATION	OTTAWA CITY ON	
SPL	ESSO PETROLEUM CANADA	TRANSPORT TRUCK (CARGO)	OTTAWA CITY ON	
SPL	ESSO PETROLEUM CANADA	TANK TRUCK (CARGO)	OTTAWA CITY ON	
SPL	ESSO PETROLEUM CANADA	ESSO DISTRIBUTION STATION BULK STATION	OTTAWA CITY ON	

Unplottable Report

Site: City of Ottawa
King Edward Avenue Ottawa ON

Database:
CA

Certificate #: 1054-6RMQZT
Application Year: 2006
Issue Date: 7/14/2006
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: 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: 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 of Ottawa
King Edward Avenue (from King Edward Avenue to MacDonald Cartier Bridge) Ottawa ON

Database:
CA

Certificate #: 8343-6CWHXZ
Application Year: 2005
Issue Date: 6/1/2005
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: CITY
SWEETLAND AVE. OTTAWA ON

Database:
CA

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

Site: City of Ottawa
King Edward Ave Ottawa ON

Database:
CA

Certificate #: 4067-7EPJYC
Application Year: 2008
Issue Date: 5/16/2008
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: City of Ottawa
King Edward Ave Ottawa ON

Database:
CA

Certificate #: 4043-7PUT48
Application Year: 2009
Issue Date: 4/8/2009
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: UNIVERSITY OF OTTAWA, DEPT. OF HUMAN KIN
UNIVERSITY ST., MONPETIT HALL OTTAWA CITY ON

Database:
CA

Certificate #: 8-4230-96-
Application Year: 96
Issue Date: 2/12/1997
Approval Type: Industrial air
Status:
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description:: MODIFY EXH. SYS. AT MONPETIT HALL

Contaminants::
Emission Control::

Site: UNIVERSITY OF OTTAWA - CAMPUS
MARIE CURRIE/GLINSKI OTTAWA CITY ON

Database:
CA

Certificate #: 7-0118-91-
Application Year: 91
Issue Date: 2/18/1991
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: UNIVERSITY OF OTTAWA
MARIE CURRIE/GLINSKI - CAMPUS OTTAWA CITY ON

Database:
CA

Certificate #: 3-0127-91-
Application Year: 91
Issue Date: 2/18/1991
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: 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: IMPERIAL OIL LIMITED
NORTH YORK ON

Database:
CONV

File No.:
Publication Title:
Publication City:
Url:
Crown Brief No.:
Ministry District:

Region: EASTERN REGION
Description: FAILED TO INSPECT OIL/WATER SEPARATOR WEEKLY & MAINTAIN LOG BOOK AT SITE

--Details--

Publication Date:
Count: 1
Act: OWRA
Regulation:
Section: 66(3)
Act/Regulation/Section: OWRA- -66(3)
Date Charged: 6/4/93
Charge Disposition:
Fine: \$1,000

Publication Date:
Count: 1
Act: OWRA
Regulation:
Section: 66(3)
Act/Regulation/Section: OWRA- -66(3)
Date Charged: 6/4/93
Charge Disposition:
Fine: \$4,000

Site: IMPERIAL OIL LIMITED
DON MILLS ON

Database:
CONV

File No.:
Publication Title:
Publication City:
Url:
Crown Brief No.:
Ministry District:
Region: EASTERN REGION
Description: FAILED TO COMPLY WITH CONDITIONS OF C. OF A.

--Details--

Publication Date:
Count: 1
Act: OWRA
Regulation:
Section: 66(3)
Act/Regulation/Section: OWRA- -66(3)
Date Charged: 6/4/93
Charge Disposition:
Fine: \$6,000

Publication Date:
Count: 1
Act: OWRA
Regulation:
Section: 66(3)
Act/Regulation/Section: OWRA- -66(3)
Date Charged: 6/4/93
Charge Disposition:
Fine: \$6,000

Site: University of Ottawa Department of Human Kinetics
University Street City of Ottawa ON

Database:
EBR

EBR Registry No.: IA6E1751
Ministry Ref. No.:
Year: 1996
Proposal Date:
Notice Date:

Notice Type: Instrument
Proponent Address: University of Ottawa/Department of Human Kinetics,306-100 Thomas More, P.O. Box 450, Station 'A',Ottawa, Ontario, K1N 6N5
Instrument Type: EPA s. 9 - Approval for discharge into the natural environment other than water (i.e. Air)
Location: City of Ottawa
Location Other: University Street, Monpetit Hall

Site: University of Ottawa
City of Ottawa ON

Database:
[EBR](#)

EBR Registry No.: IA7E1041
Ministry Ref. No.:
Year: 1997
Proposal Date: 7/15/97
Notice Date:
Notice Type: Instrument
Proponent Address: University of Ottawa,Dept. of Economics,550 Cumberland Street, PO Box 450, Station A,Ottawa, Ontario,K1N 6N5
Instrument Type: EPA s. 9 - Approval for discharge into the natural environment other than water (i.e. Air)
Location: City of Ottawa
Location Other:

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:

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: ONTARIO HYDRO
KING EDWARD T.S.; R.M. OTTAWA-CARLETON/R.P. 4358 OTTAWA ON

Database:
[NPCB](#)

Company Code: O0893
Industry: Utility
Site Status:
Transaction Date: 5/31/1988
Inspection Date:

Site: ONTARIO HYDRO
R.M. OTTAWA-CARLETON/R.P 4358 KING EDWARD T.S. OTTAWA ON

Database:
[NPCB](#)

Company Code: O0893
Industry: UTILITY
Site Status:

Transaction Date: 5/31/1988
Inspection Date:

--Details--

Label: OH00122
Serial No.:
PCB Type/Code: ASKAREL/INERTEEN
Location:
Item/State: CAPACITOR/FULL
No. of Items: 72
Manufacturer:
Status: STORED FOR DISPOSAL
Contents: 327 L

Label: OH00121
Serial No.:
PCB Type/Code: ASKAREL/INERTEEN
Location:
Item/State: CAPACITOR/FULL
No. of Items: 72
Manufacturer:
Status: STORED FOR DISPOSAL
Contents: 327 L

Site: OTTAWA-CARLETON TRANSPORT
TRANSIT-WAY AT THE UNIVERSITY OF OTTAWA BUS OTTAWA CITY ON

Database:
[SPL](#)

Ref No:	207471	Site Address:	
Contaminant Name:		Site Conc:	
Contaminant Code:		Site Lot:	
Contaminant Limit 1:		Site County/District:	
Contam. Limit Freq 1:		Site Municipality:	20107
Contaminant UN No 1:		Site Postal Code:	
Contaminant Qty:		Sector Type:	
MOE Reported Dt:	7/31/2001	Source Type:	
Health/Env Conseq:		Receiving Medium:	Land, Water
Incident Dt:	7/31/2001	Receiving Env:	
Incident Cause:	PIPE/HOSE LEAK	Environment Impact:	Possible
Incident Event:		Nature of Impact:	Water course or lake
Incident Reason:	EQUIPMENT FAILURE	SAC Action Class:	
Incident Summary:	OTTAWA TRANSIT - 5 L OF TRANSMISSION FLUID TO STORM SEWER FROM BUS.		

Site: UNKNOWN
AT UNIVERSITY OF OTTAWA CAMPUS OTTAWA CITY ON

Database:
[SPL](#)

Ref No:	129232	Site Address:	
Contaminant Name:		Site Conc:	
Contaminant Code:		Site Lot:	
Contaminant Limit 1:		Site County/District:	
Contam. Limit Freq 1:		Site Municipality:	20101
Contaminant UN No 1:		Site Postal Code:	
Contaminant Qty:		Sector Type:	
MOE Reported Dt:	7/15/1996	Source Type:	
Health/Env Conseq:		Receiving Medium:	LAND / WATER
Incident Dt:	7/15/1996	Receiving Env:	
Incident Cause:	UNKNOWN	Environment Impact:	POSSIBLE
Incident Event:		Nature of Impact:	Water course or lake
Incident Reason:	UNKNOWN	SAC Action Class:	
Incident Summary:	SOURCE UNKNOWN: DIESEL FOUND ON STREET & SEWERS, OTTAWA WORKS CLEANED UP.		

Site: Esso Petroleum Canada, A Division of Imperial Oil Limited
Nepean Ottawa ON

Database:
SPL

Ref No: 0874-78WNRU
Contaminant Name: DIESEL FUEL
Contaminant Code: 13
Contaminant Limit 1:
Contam. Limit Freq 1:
Contaminant UN No 1:
Contaminant Qty: 8 L
MOE Reported Dt: 11/13/2007
Health/Env Conseq:
Incident Dt:
Incident Cause: Pipe Or Hose Leak
Incident Event:
Incident Reason: Equipment Failure
Incident Summary: Errentom Tanklines - 8L diesel to grd

Site Address:
Site Conc:
Site Lot:
Site County/District:
Site Municipality: Ottawa
Site Postal Code:
Sector Type: Tank Truck
Source Type:
Receiving Medium: Land
Receiving Env:
Environment Impact: Confirmed
Nature of Impact: soil contamination
SAC Action Class:

Site: PRIVATE OWNER
KING EDWARD AVE. NORTH OF RIDEAU. MOTOR VEHICLE (OPERATING FLUID) OTTAWA CITY ON

Database:
SPL

Ref No: 27499
Contaminant Name:
Contaminant Code:
Contaminant Limit 1:
Contam. Limit Freq 1:
Contaminant UN No 1:
Contaminant Qty:
MOE Reported Dt: 11/7/1989
Health/Env Conseq:
Incident Dt: 11/7/1989
Incident Cause: OTHER CONTAINER LEAK
Incident Event:
Incident Reason: GASKET/JOINT
Incident Summary: A.F.WHITE TRANSPORT TRUCK-SMALL
QUANTITY OF TRANSMISSION FLUID
TO GRD

Site Address:
Site Conc:
Site Lot:
Site County/District:
Site Municipality: 20101
Site Postal Code:
Sector Type:
Source Type:
Receiving Medium: LAND
Receiving Env:
Environment Impact:
Nature of Impact:
SAC Action Class:

Site: UNIVERSITY OF OTTAWA
KING EDWARD OTTAWA CITY ON

Database:
SPL

Ref No: 84839
Contaminant Name:
Contaminant Code:
Contaminant Limit 1:
Contam. Limit Freq 1:
Contaminant UN No 1:
Contaminant Qty:
MOE Reported Dt: 4/30/1993
Health/Env Conseq:
Incident Dt: 4/30/1993
Incident Cause: CONTAINER OVERFLOW
Incident Event:
Incident Reason: ERROR
Incident Summary: UNIVERSITY OF OTTAWA: 225-450 L
FURNACE OIL TO GROUND DUE TO
OVERFILL.

Site Address:
Site Conc:
Site Lot:
Site County/District:
Site Municipality: 20101
Site Postal Code:
Sector Type:
Source Type:
Receiving Medium: LAND
Receiving Env:
Environment Impact: POSSIBLE
Nature of Impact: Water course or lake
SAC Action Class:

Site: UNIVERSITY OF OTTAWA
OTTAWA CITY ON

Database:
SPL

Ref No: 95052
Contaminant Name:
Contaminant Code:
Contaminant Limit 1:

Site Address:
Site Conc:
Site Lot:
Site County/District:

Contam. Limit Freq 1:		Site Municipality:	20101
Contaminant UN No 1:		Site Postal Code:	
Contaminant Qty:		Sector Type:	
MOE Reported Dt:	1/4/1994	Source Type:	
Health/Env Conseq:		Receiving Medium:	LAND
Incident Dt:	12/29/1993	Receiving Env:	
Incident Cause:	VALVE/FITTING LEAK OR FAILURE	Environment Impact:	POSSIBLE
Incident Event:		Nature of Impact:	Soil contamination
Incident Reason:	ERROR	SAC Action Class:	
Incident Summary:	UNIVERSITY OF OTTAWA: 180L BUNKER C FUEL TO GROUND FROM STORAGE TANK.		

Site: ESSO PETROLEUM CANADA
BULK STATION OTTAWA CITY ON

Database:
[SPL](#)

Ref No:	155190	Site Address:	
Contaminant Name:		Site Conc:	
Contaminant Code:		Site Lot:	
Contaminant Limit 1:		Site County/District:	
Contam. Limit Freq 1:		Site Municipality:	20101
Contaminant UN No 1:		Site Postal Code:	
Contaminant Qty:		Sector Type:	
MOE Reported Dt:	5/1/1998	Source Type:	
Health/Env Conseq:		Receiving Medium:	LAND
Incident Dt:	5/1/1998	Receiving Env:	
Incident Cause:	OTHER CAUSE (N.O.S.)	Environment Impact:	NOT ANTICIPATED
Incident Event:		Nature of Impact:	
Incident Reason:	NEGLIGENCE (APPARENT)	SAC Action Class:	
Incident Summary:	ESSO-156 L DIESEL TO LOT, LOADING ARM NOT IN TRUCKS COMPARTMENT, PUMP STARTED.		

Site: ESSO PETROLEUM CANADA
TRANSPORT TRUCK (CARGO) OTTAWA CITY ON

Database:
[SPL](#)

Ref No:	59519	Site Address:	
Contaminant Name:		Site Conc:	
Contaminant Code:		Site Lot:	
Contaminant Limit 1:		Site County/District:	
Contam. Limit Freq 1:		Site Municipality:	20101
Contaminant UN No 1:		Site Postal Code:	
Contaminant Qty:		Sector Type:	
MOE Reported Dt:	11/7/1991	Source Type:	
Health/Env Conseq:		Receiving Medium:	LAND
Incident Dt:	11/7/1991	Receiving Env:	
Incident Cause:	PIPE/HOSE LEAK	Environment Impact:	NOT ANTICIPATED
Incident Event:		Nature of Impact:	
Incident Reason:	ERROR	SAC Action Class:	
Incident Summary:	ESSO-3 LITRES DIESEL FUEL TO GRND UNDER LOADING RACK, COUPLING NOT CLOSED		

Site: ESSO PETROLEUM CANADA
TANK TRUCK (CARGO) OTTAWA CITY ON

Database:
[SPL](#)

Ref No:	47843	Site Address:	
Contaminant Name:		Site Conc:	
Contaminant Code:		Site Lot:	
Contaminant Limit 1:		Site County/District:	
Contam. Limit Freq 1:		Site Municipality:	20101
Contaminant UN No 1:		Site Postal Code:	
Contaminant Qty:		Sector Type:	
MOE Reported Dt:	3/20/1991	Source Type:	
Health/Env Conseq:		Receiving Medium:	LAND
Incident Dt:	3/19/1991	Receiving Env:	

Incident Cause: PIPE/HOSE LEAK
Incident Event:
Incident Reason: ERROR
Incident Summary: ESSO HOME COMFORT - TANK TRUCK
SPILLED APPROX 1 L.HEATING OIL ON
GROUND

Environment Impact: NOT ANTICIPATED
Nature of Impact:
SAC Action Class:

Site: ESSO PETROLEUM CANADA
ESSO DISTRIBUTION STATION BULK STATION OTTAWA CITY ON

Database:
[SPL](#)

Ref No:	46877	Site Address:	
Contaminant Name:		Site Conc:	
Contaminant Code:		Site Lot:	
Contaminant Limit 1:		Site County/District:	
Contam. Limit Freq 1:		Site Municipality:	20101
Contaminant UN No 1:		Site Postal Code:	
Contaminant Qty:		Sector Type:	
MOE Reported Dt:	2/21/1991	Source Type:	
Health/Env Conseq:		Receiving Medium:	LAND
Incident Dt:	2/21/1991	Receiving Env:	
Incident Cause:	CONTAINER OVERFLOW	Environment Impact:	NOT ANTICIPATED
Incident Event:		Nature of Impact:	
Incident Reason:	ERROR	SAC Action Class:	
Incident Summary:	ESSO DISTRIB. STATION - 50 L FURNACE OIL SPILLED TO LOADING DOCK. OV/FILL.		

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-Sep 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-Mar 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-Apr 2015

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 -Jun 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 PIRC

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-Aug 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-Jun 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: 1990-2014

Anderson's Storage Tanks:

Private

TANK

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

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks:

Federal

TCFT

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

Government Publication Date: 1970-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.

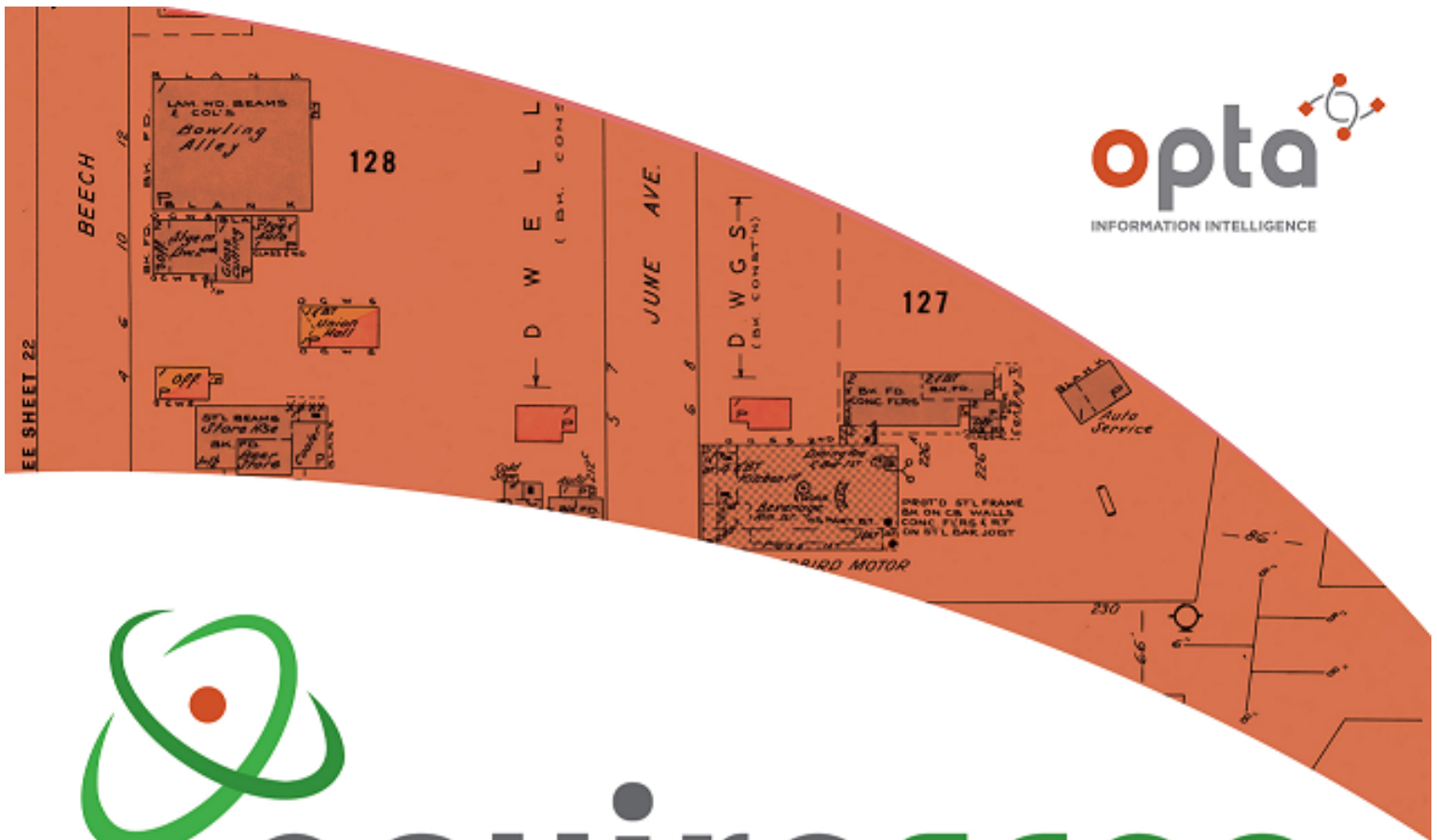
The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

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.

PHASE ONE ENVIRONMENTAL SITE ASSESSMENT 105 & 109 HENDERSON AVE., OTTAWA, ON



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:

Catherine

Site Address:

109 Henderson Ave Ottawa ON

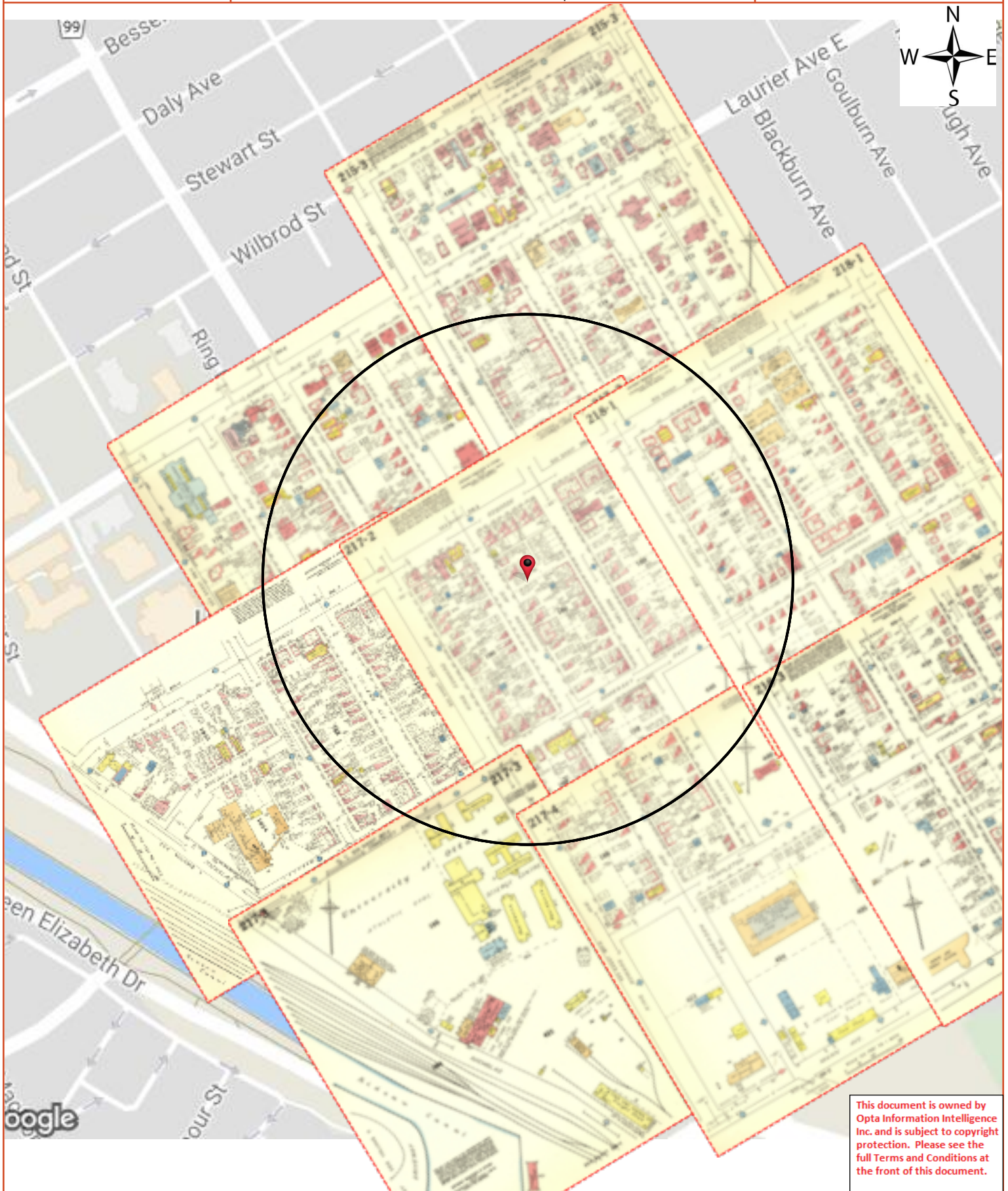
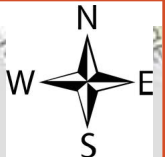
Project No:

20171214077
Opta Order ID:

44003

Requested by:
Eleanor Goolab
Eris

Date Completed:
12/21/2017 7:26:20 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.

Disclaimer

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

Entire Agreement

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

Governing Document

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

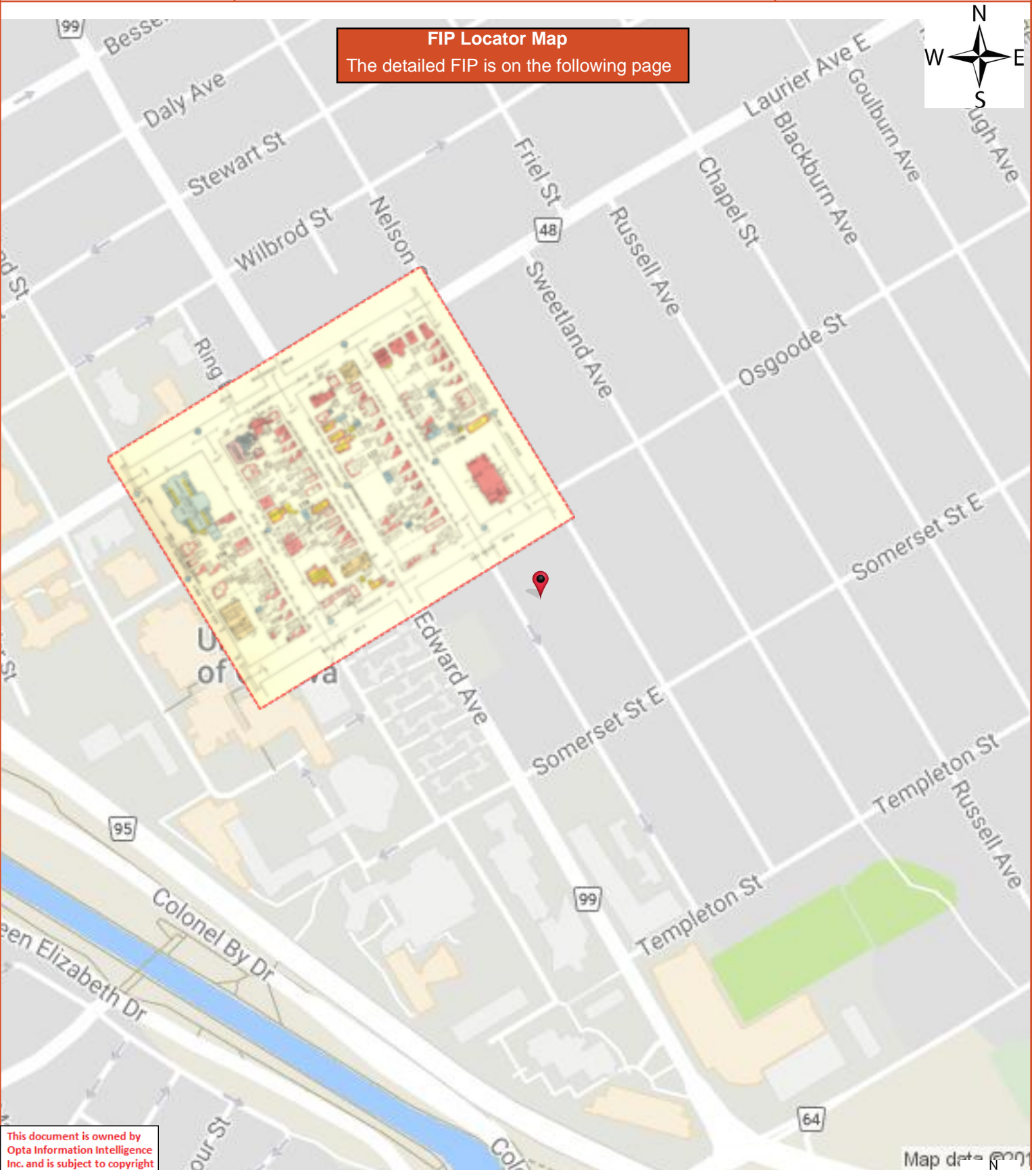
Law

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

Page Report Title

6	(1958) Volume: Ottawa Volume 2 Firemap: 214-3
8	(1958) Volume: Ottawa Volume 2 Firemap: 215-3
10	(1958) Volume: Ottawa Volume 2 Firemap: 217-1
12	(1958) Volume: Ottawa Volume 2 Firemap: 217-2
14	(1958) Volume: Ottawa Volume 2 Firemap: 217-3
16	(1958) Volume: Ottawa Volume 2 Firemap: 217-4
18	(1958) Volume: Ottawa Volume 2 Firemap: 218-1
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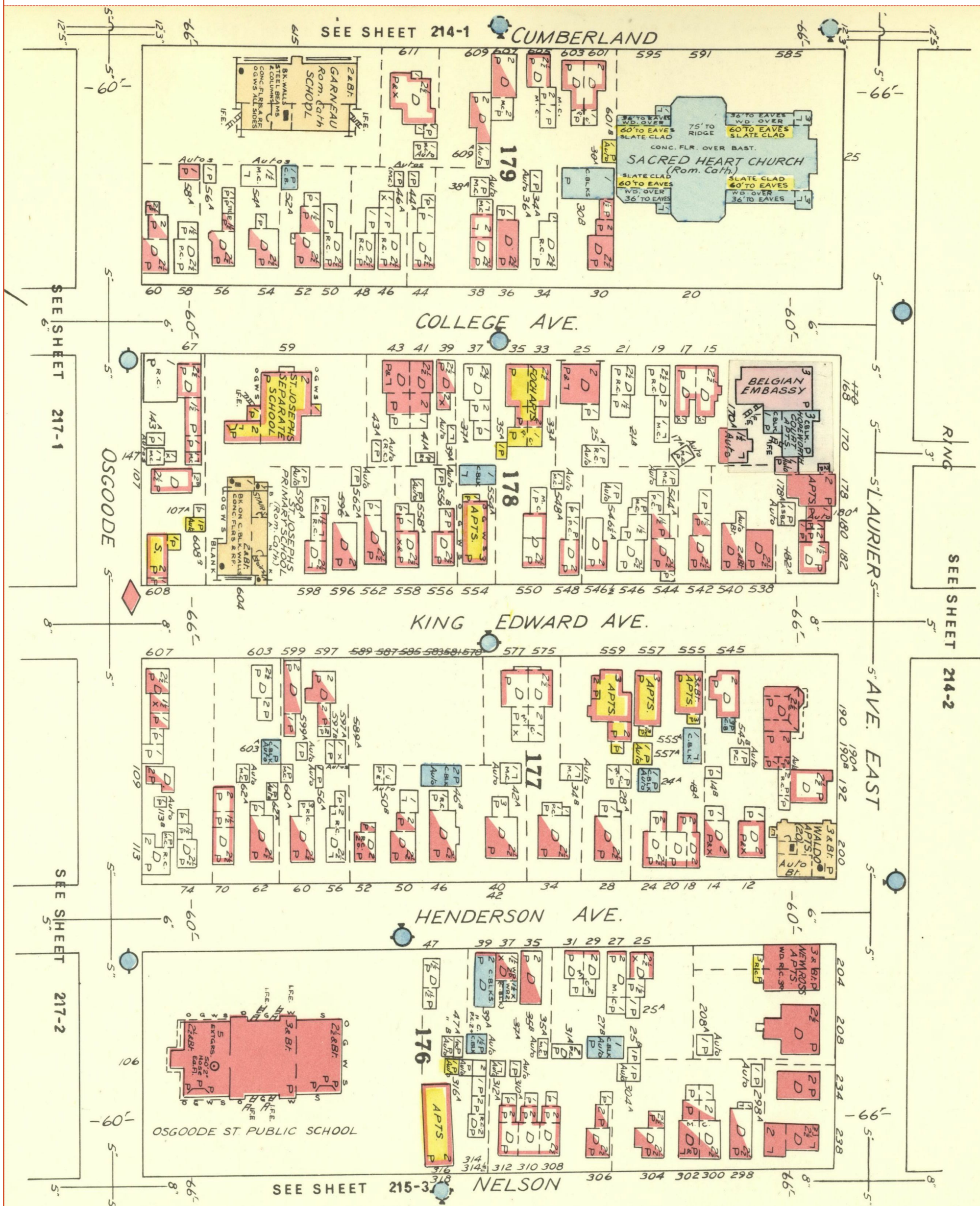


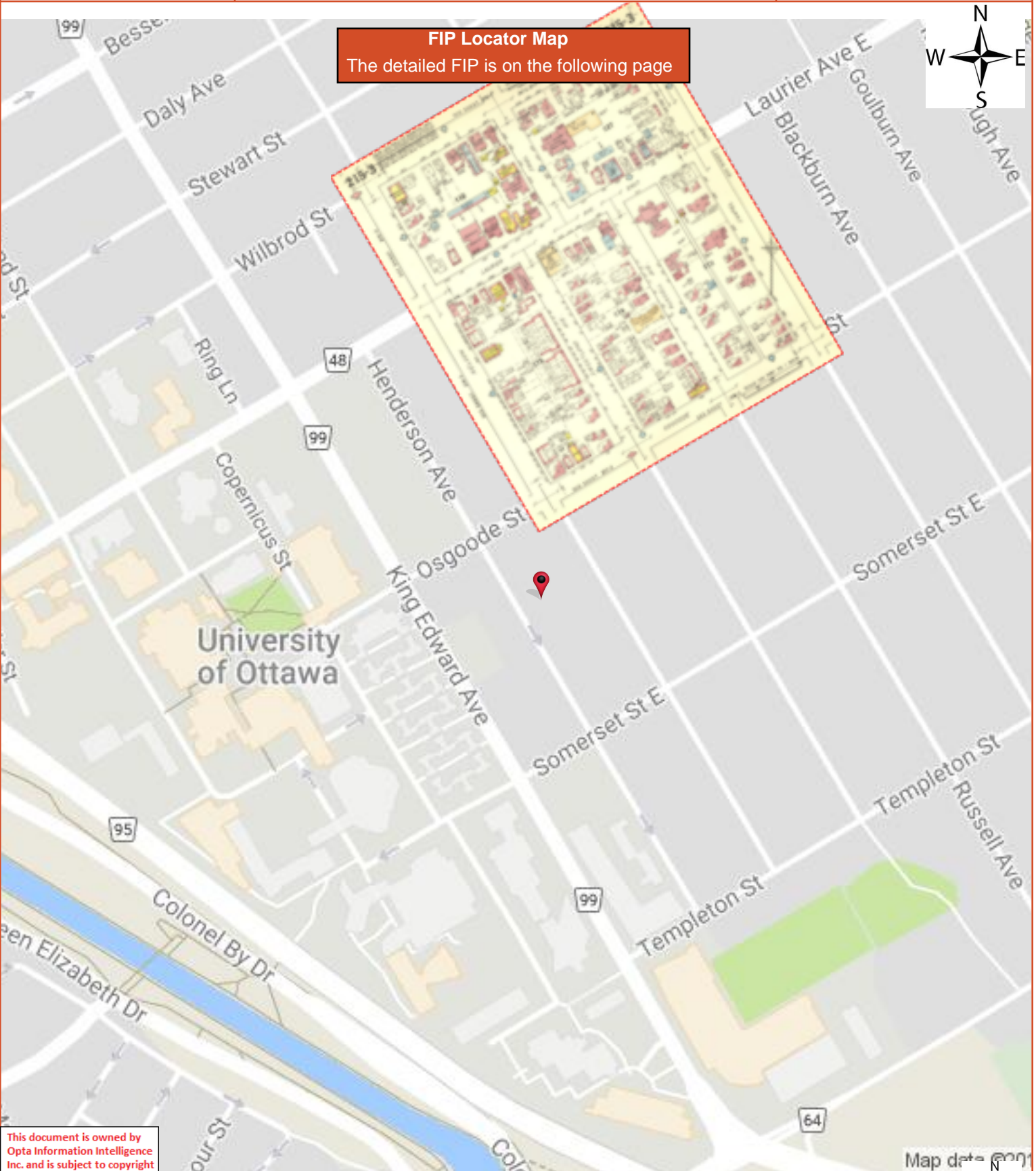


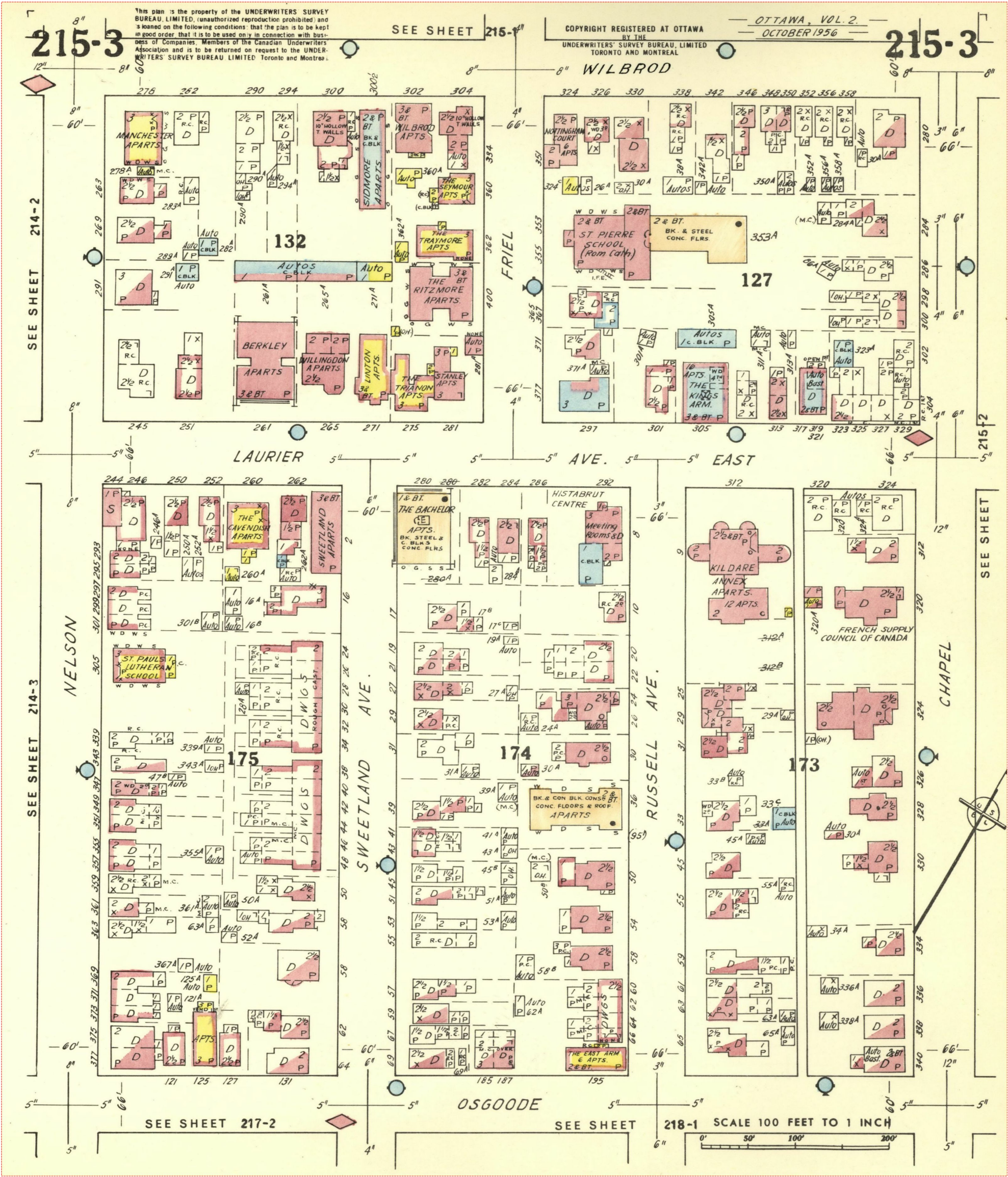
FIP Locator Map

The detailed FIP is on the following page



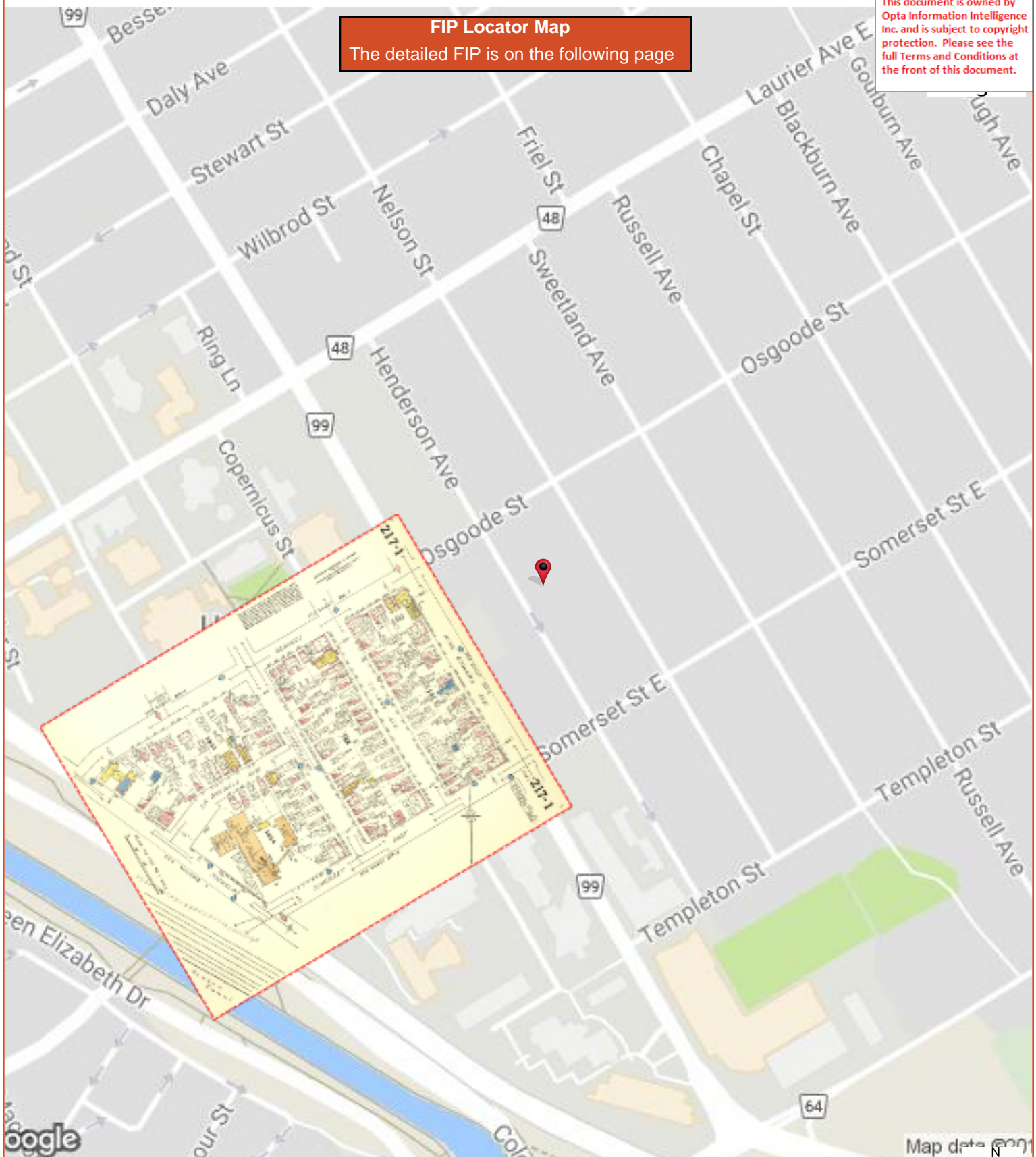


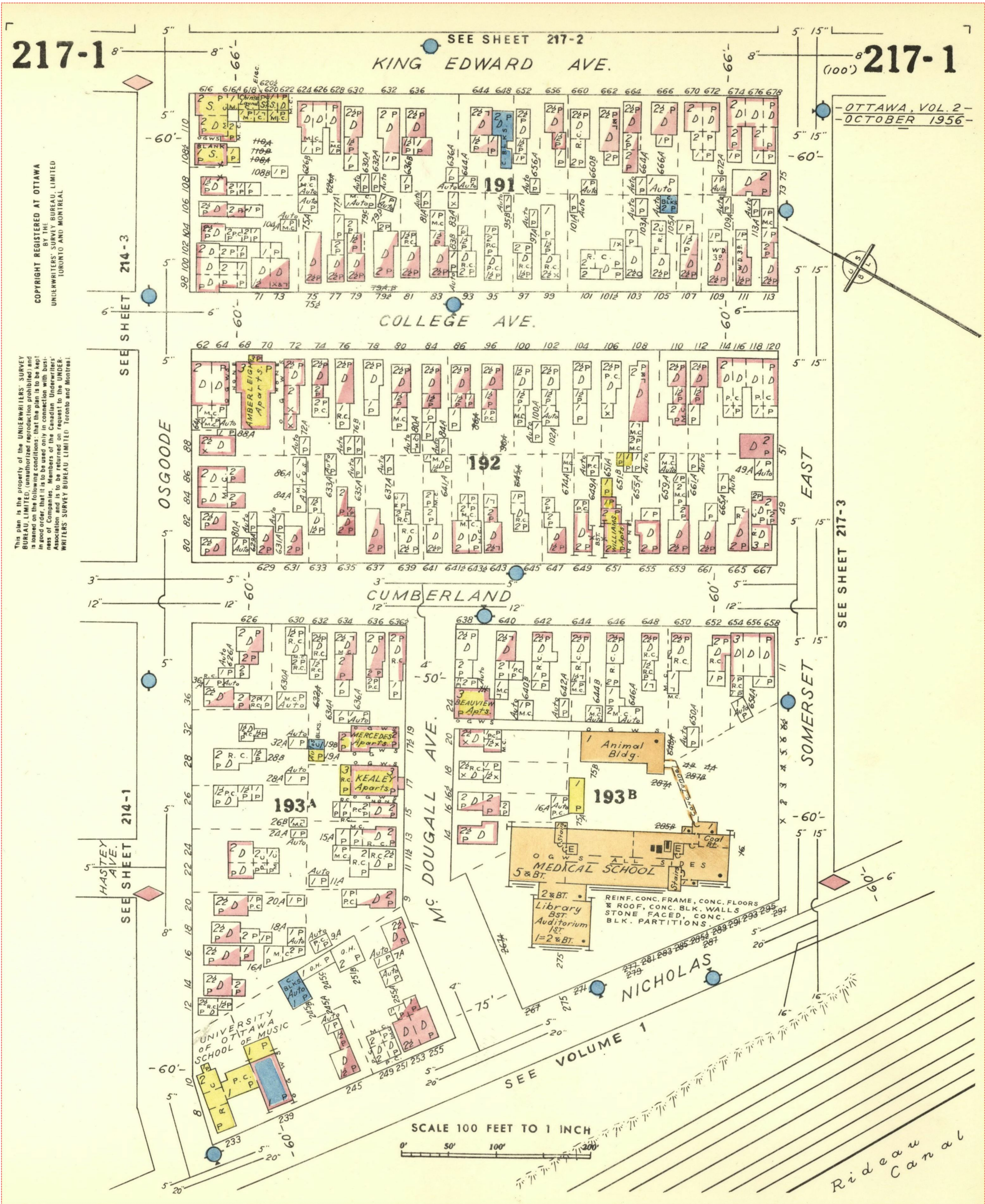




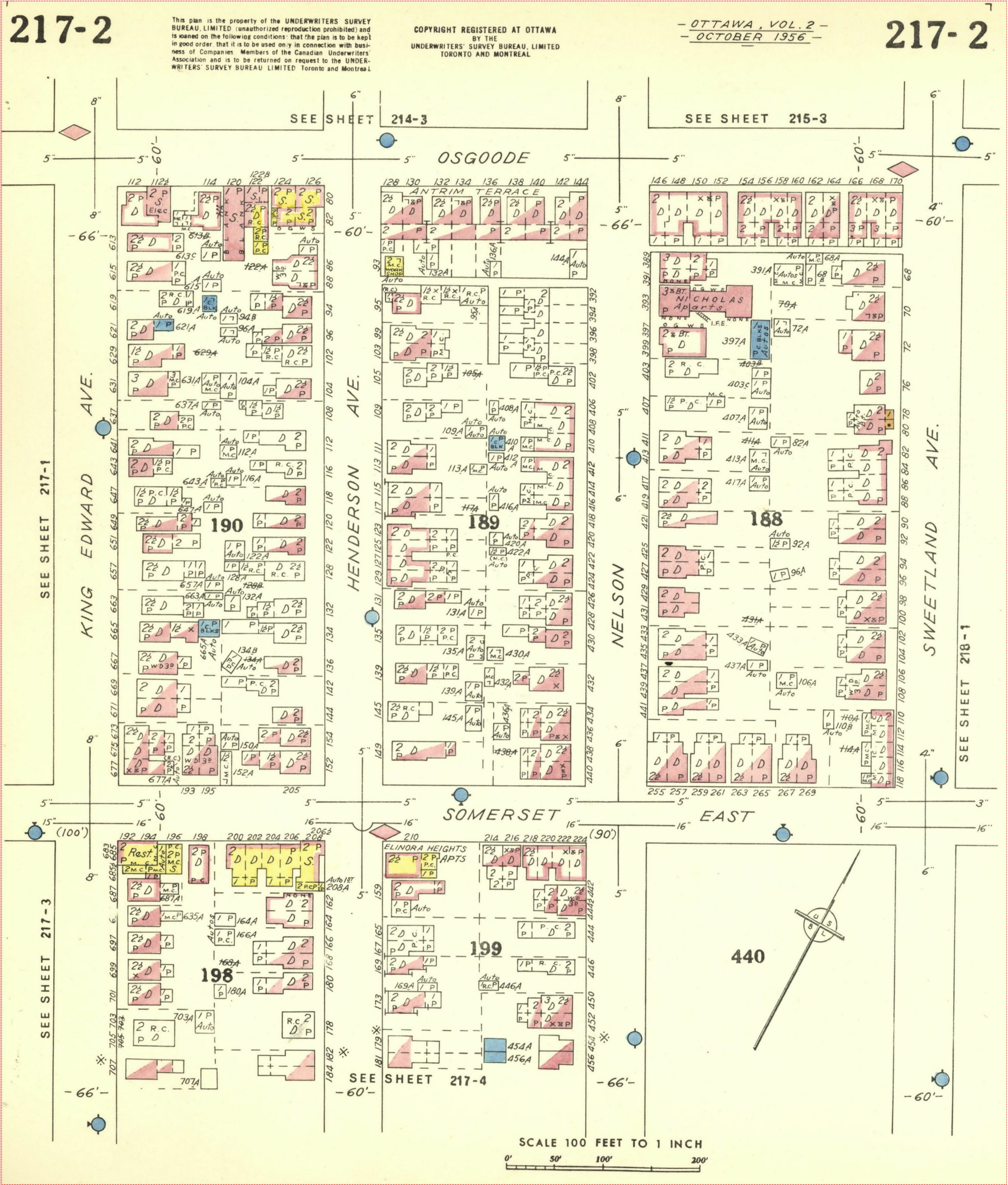
FIP Locator Map

The detailed FIP is on the following page



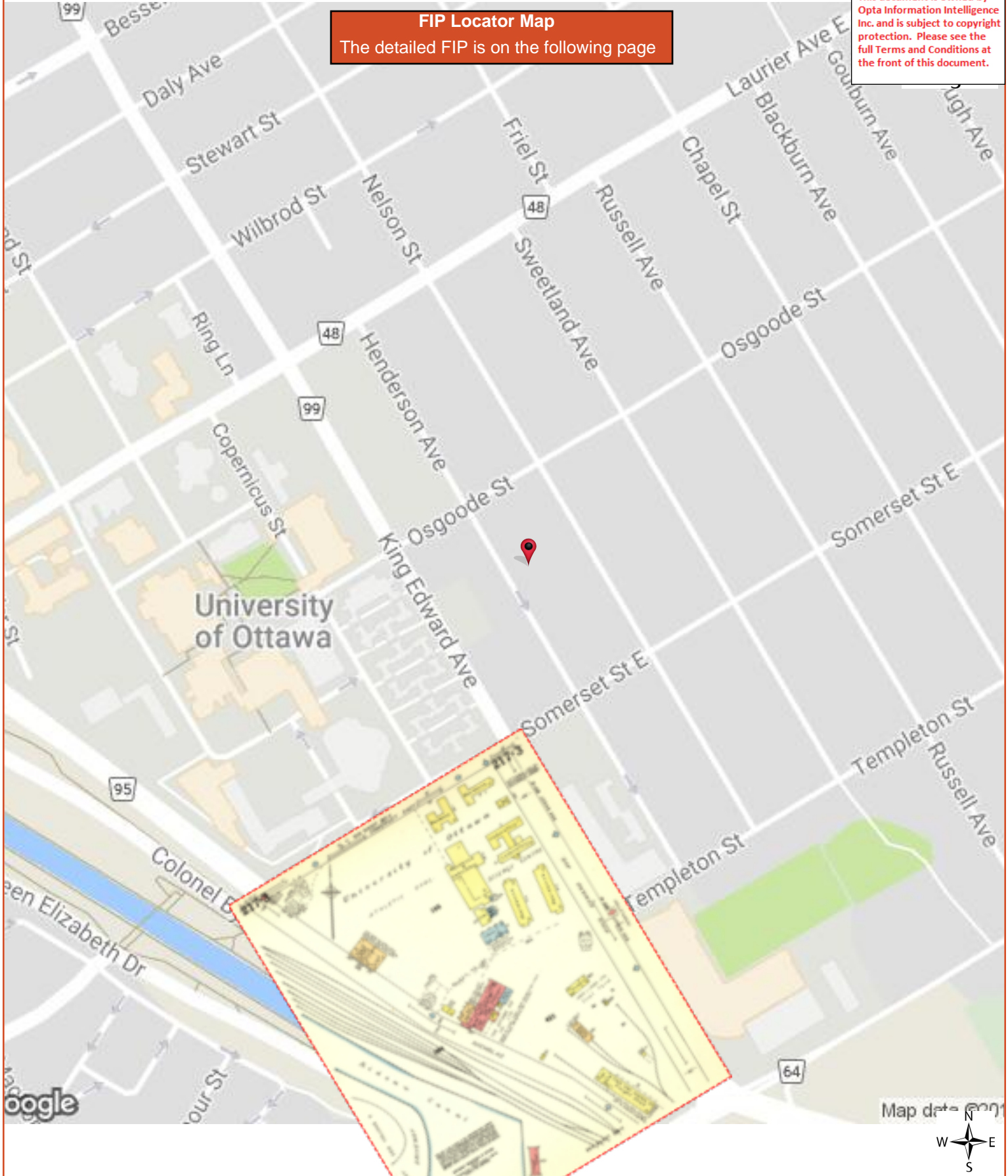


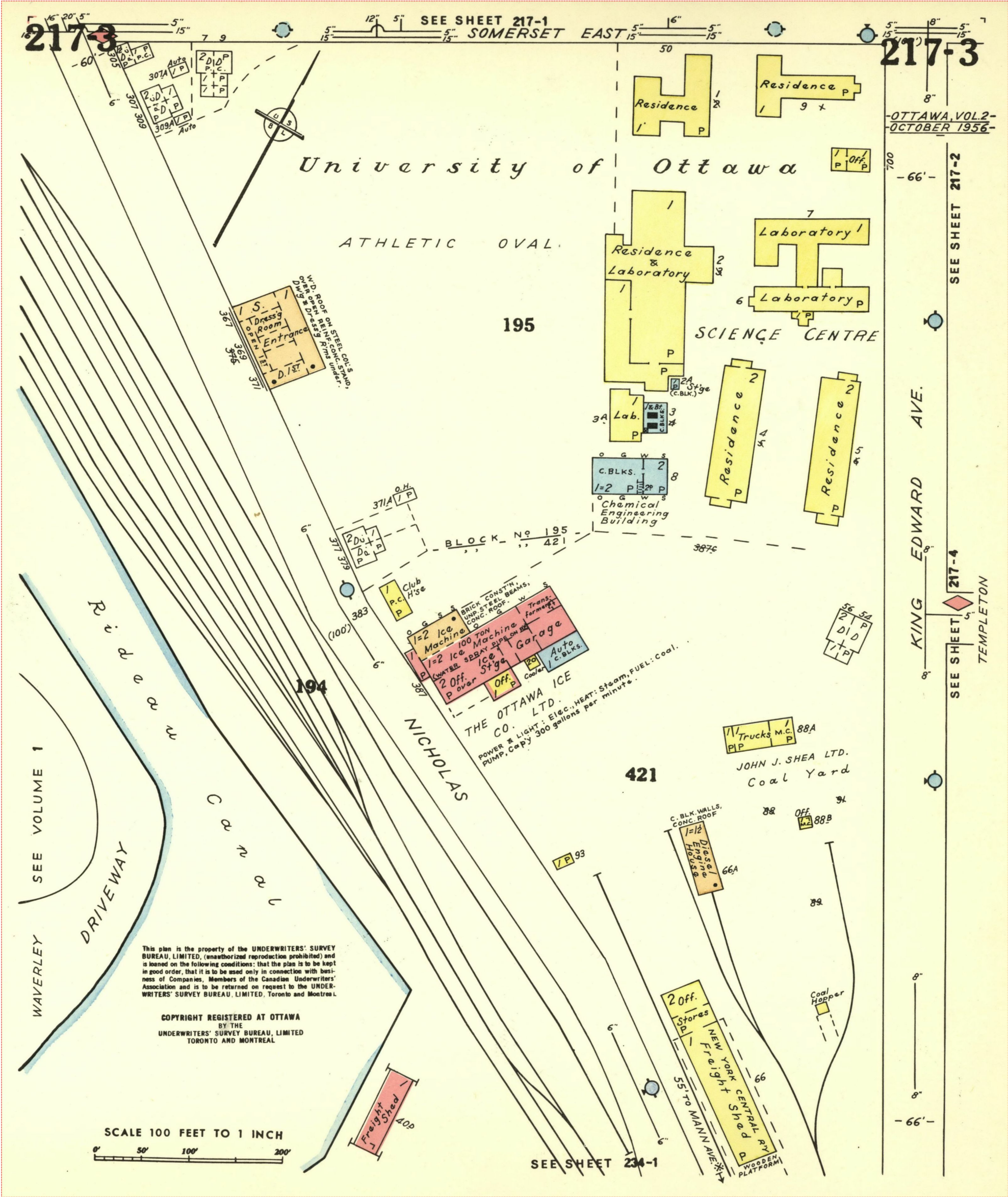


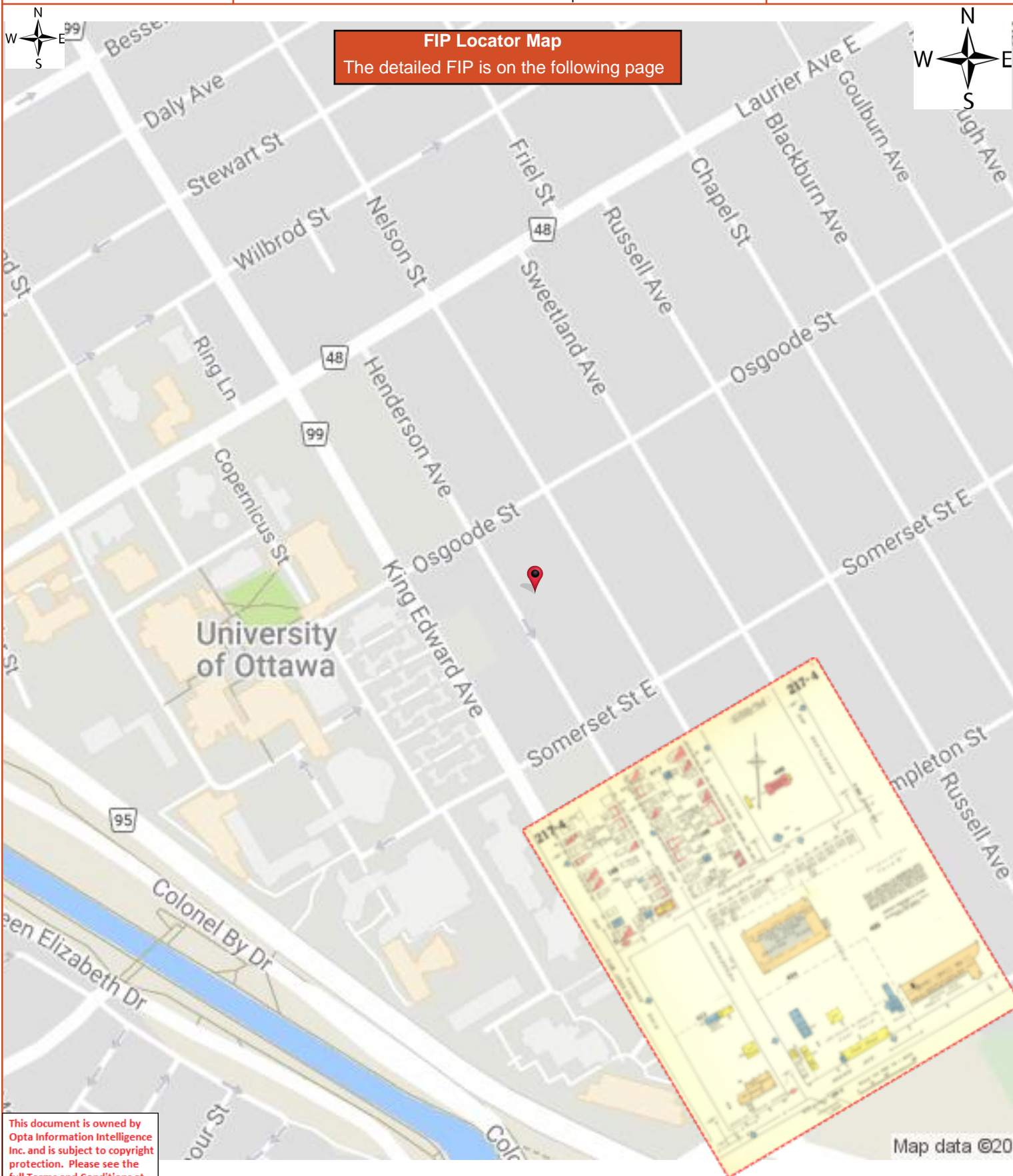


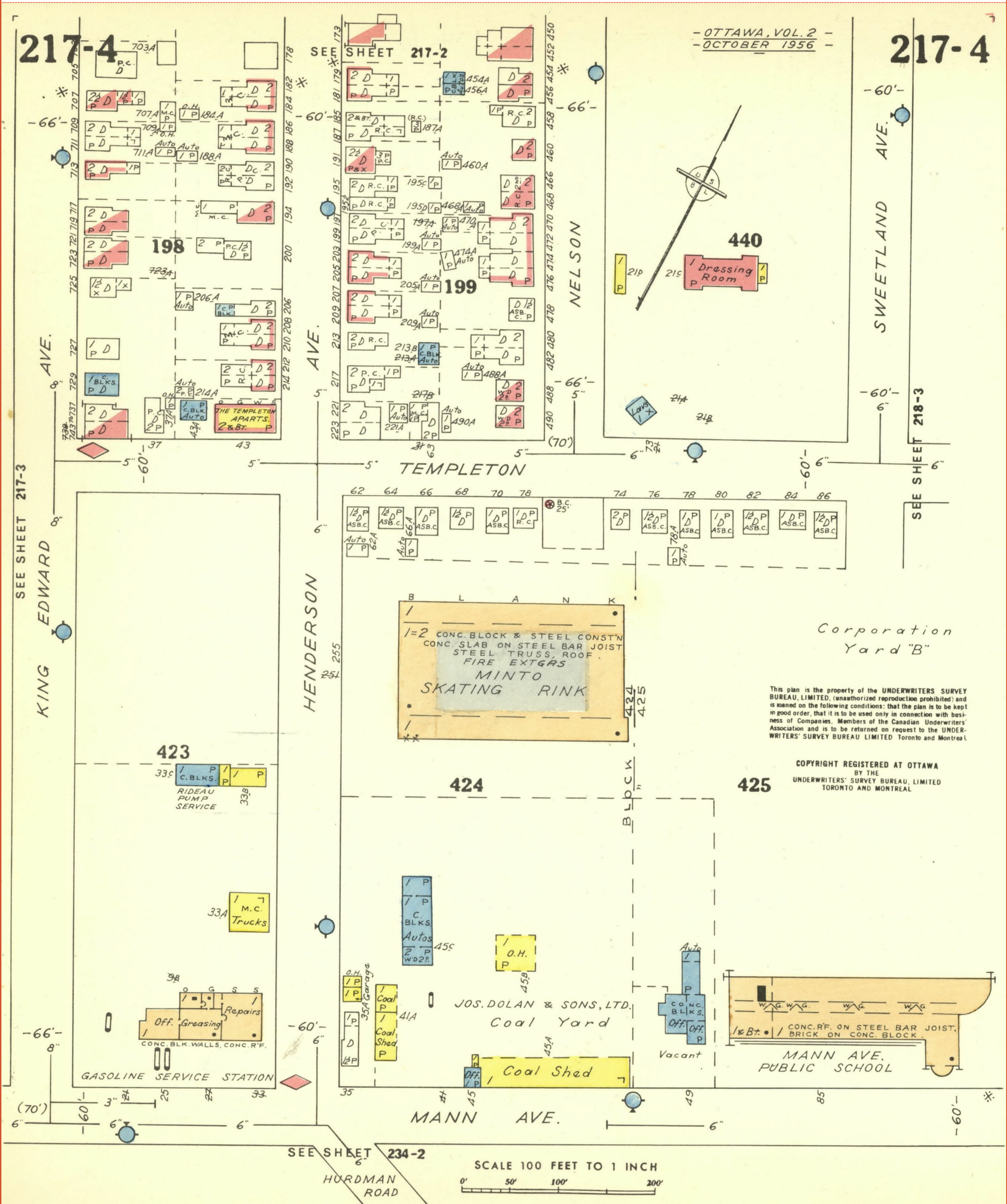
FIP Locator Map

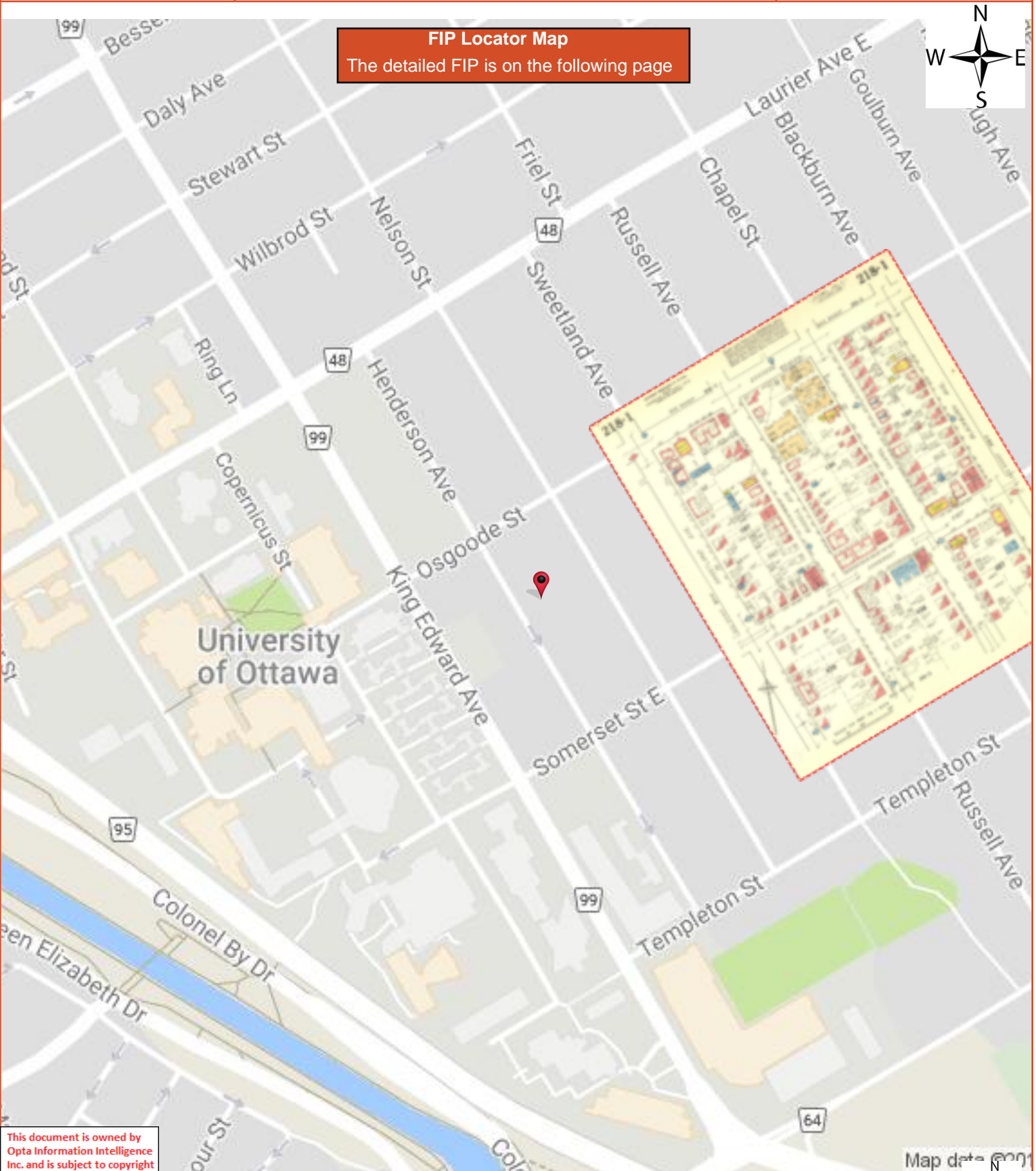
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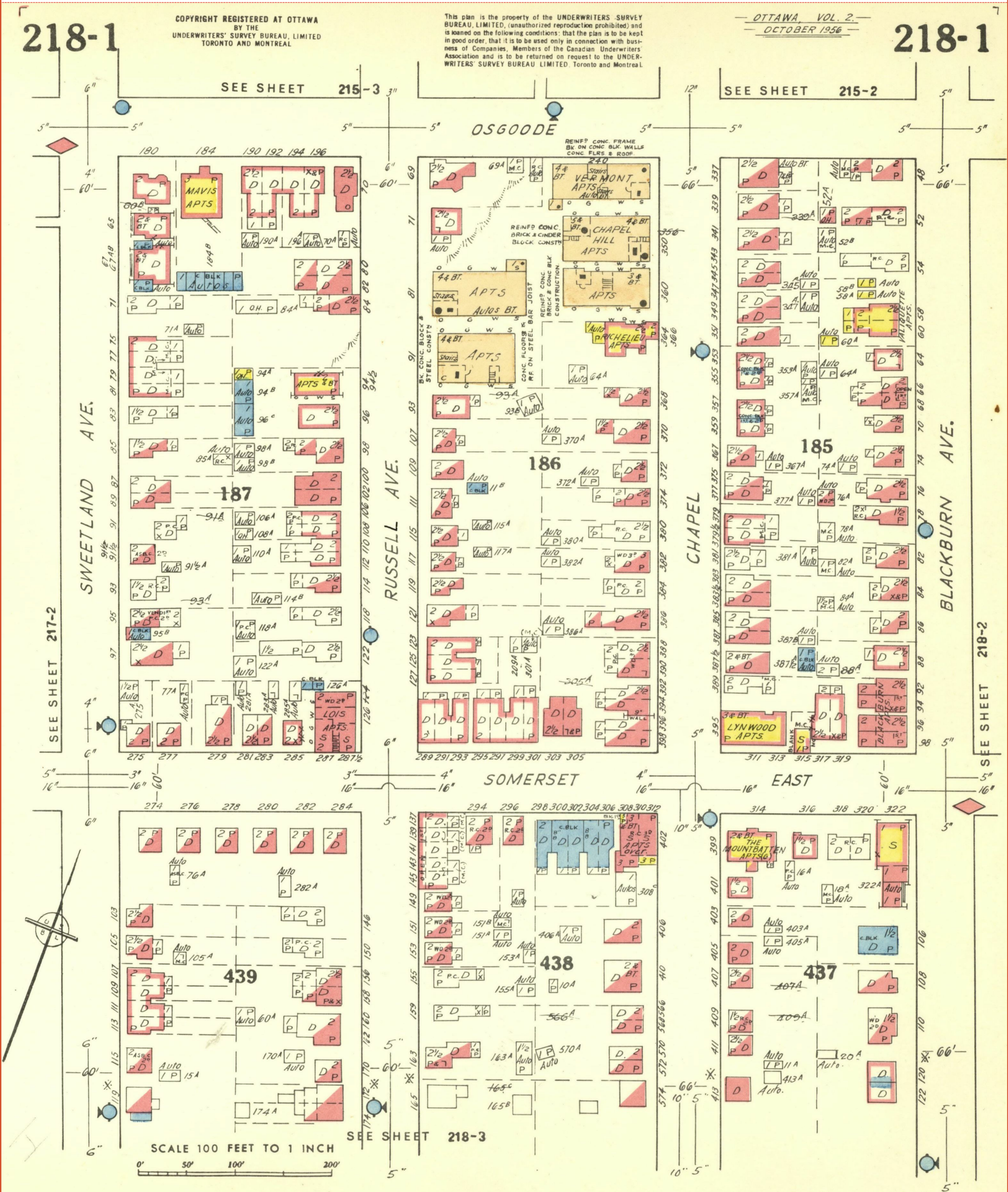


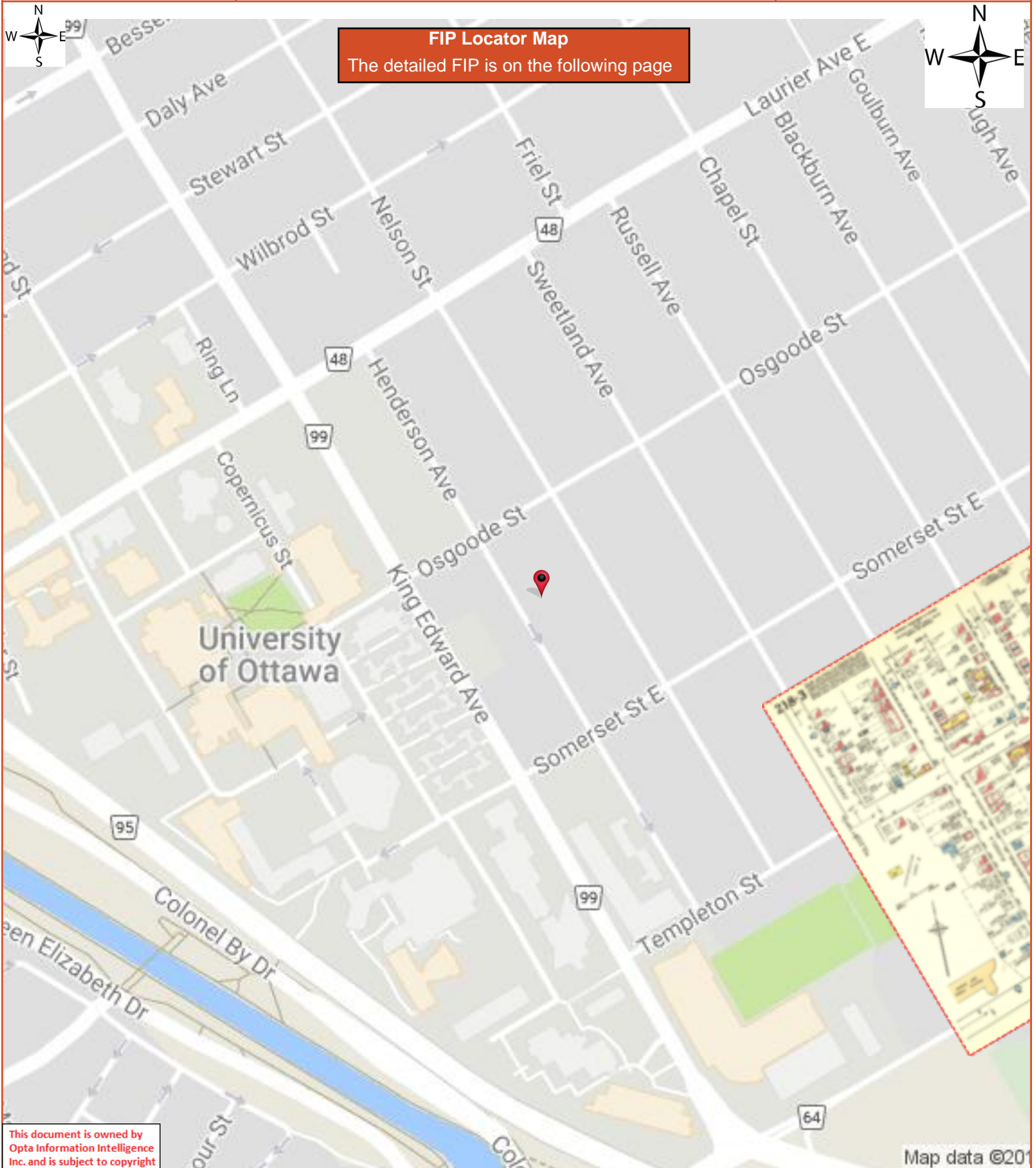


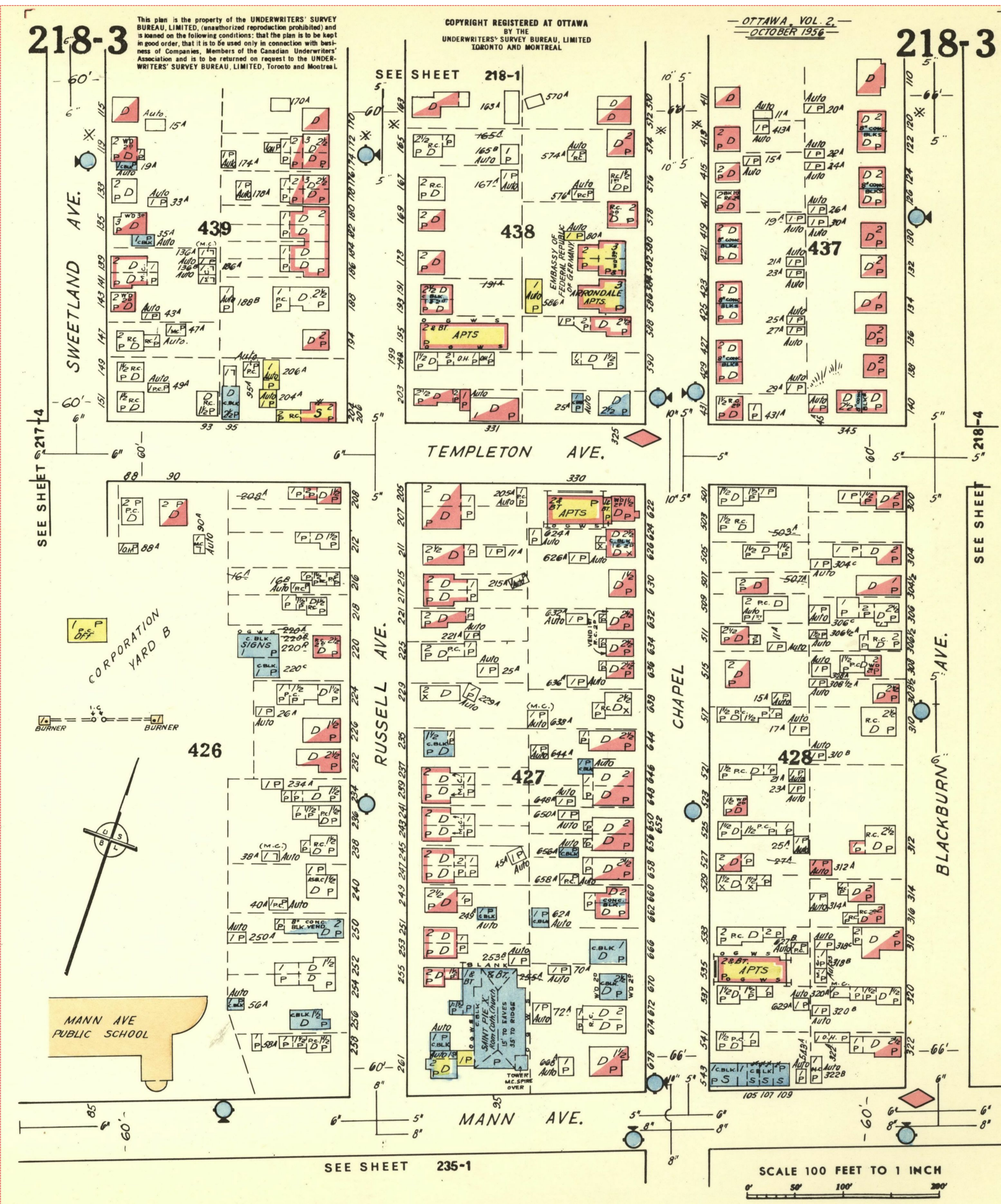












City Directory Information Source
Vernon's Ottawa and Area ON City Directory

PROJECT NUMBER: 20171214077	
Site Address:	109 Henderson Avenue, Ottawa, Ontario
Year: 2011	
Site Listing:	-Address Not Listed
Adjacent Properties:	
Henderson Avenue 99	-Address Not Listed
Henderson Avenue 105	-Res (1 tenant)
Henderson Avenue 113	-Address Not Listed
Nelson 402	(Nelson St) -Res (1 tenant)

PROJECT NUMBER: 20171214077	
Site Address:	109 Henderson Avenue, Ottawa, Ontario
Year: 2005-2006	
Site Listing:	-Address Not Listed
Adjacent Properties:	
Henderson Avenue 99	-Res (1 tenant)
Henderson Avenue 105	-Res (1 tenant)
Henderson Avenue 113	-Address Not Listed
Nelson 402	(Nelson St) -Res (2 tenants)

PROJECT NUMBER: 20171214077	
Site Address:	109 Henderson Avenue, Ottawa, Ontario
Year: 1999-2000	
Site Listing:	-Res (1 tenant)
Adjacent Properties:	

Henderson Avenue 99	-Res (2 tenants)
Henderson Avenue 105	-Res (1 tenant)
Henderson Avenue 113	-Address Not Listed
Nelson 402	(Nelson St) -Res (2 tenants)

PROJECT NUMBER: 20171214077	
Site Address:	109 Henderson Avenue, Ottawa, Ontario
Year: 1994-1995	
Site Listing:	-Res (1 tenant)
Adjacent Properties:	
Henderson Avenue 99	-Res (2 tenants)
Henderson Avenue 105	-Res (1 tenant)
Henderson Avenue 113	-Address Not Listed
Nelson 402	(Nelson St) -Res (2 tenants)

PROJECT NUMBER: 20171214077	
Site Address:	109 Henderson Avenue, Ottawa, Ontario
Year: 1990	
Site Listing:	-Res (1 tenant)
Adjacent Properties:	
Henderson Avenue 99	-Res (2 tenants)
Henderson Avenue 105	-Res (1 tenant)
Henderson Avenue 113	-Hydro Sub Station
Nelson 402	(Nelson St) -Res (2 tenants)

PROJECT NUMBER: 20171214077	
Site Address:	109 Henderson Avenue, Ottawa, Ontario
Year: 1984	
Site Listing:	-Res (1 tenant)
Adjacent Properties:	

Henderson Avenue 99	-Res (2 tenants)
Henderson Avenue 105	-Res (1 tenant)
Henderson Avenue 113	-Hydro Sub Station
Nelson 402	(Nelson St) -Res (2 tenants)

PROJECT NUMBER: 20171214077	
Site Address:	109 Henderson Avenue, Ottawa, Ontario
Year: 1980	
Site Listing:	-Res (1 tenant)
Adjacent Properties:	
Henderson Avenue 99	-Res (2 tenants)
Henderson Avenue 105	-Res (1 tenant)
Henderson Avenue 113	-Address Not Listed
Nelson 402	(Nelson St) -Res (2 tenants)

PROJECT NUMBER: 20171214077	
Site Address:	109 Henderson Avenue, Ottawa, Ontario
Year: 1975	
Site Listing:	-Res (1 tenant)
Adjacent Properties:	
Henderson Avenue 99	-Res (2 tenants)
Henderson Avenue 105	-Res (1 tenant)
Henderson Avenue 113	-Hydro Sub Station
Nelson 402	(Nelson St) -Res (2 tenants)

PROJECT NUMBER: 20171214077	
Site Address:	109 Henderson Avenue, Ottawa, Ontario
Year: 1970	
Site Listing:	-Res (1 tenant)
Adjacent Properties:	

Henderson Avenue 99	-Res (2 tenants)
Henderson Avenue 105	-Res (1 tenant)
Henderson Avenue 113	-Hydro Sub Station
Nelson 402	(Nelson St) -Res (2 tenants)

PROJECT NUMBER: 20171214077	
Site Address:	109 Henderson Avenue, Ottawa, Ontario
Year: 1965	
Site Listing:	-Res (1 tenant)
Adjacent Properties:	
Henderson Avenue 99	-Res (2 tenants)
Henderson Avenue 105	-Res (1 tenant)
Henderson Avenue 113	-Hydro Sub Station
Nelson 402	(Nelson St) -Res (1 tenant)

PROJECT NUMBER: 20171214077	
Site Address:	109 Henderson Avenue, Ottawa, Ontario
Year: 1960	
Site Listing:	-Res (1 tenant)
Adjacent Properties:	
Henderson Avenue 99	-Res (2 tenants)
Henderson Avenue 105	-Res (1 tenant)
Henderson Avenue 113	-Hydro Sub Station
Nelson 402	(Nelson St) -Res (1 tenant)

PROJECT NUMBER: 20171214077	
Site Address:	109 Henderson Avenue, Ottawa, Ontario
Year: 1955	
Site Listing:	-Res (1 tenant)
Adjacent Properties:	

Henderson Avenue 99	-Res (2 tenants)
Henderson Avenue 105	-Res (1 tenant)
Henderson Avenue 113	-Res (1 tenant)
Nelson 402	(Nelson St) -Res (1 tenant)

PROJECT NUMBER: 20171214077	
Site Address:	109 Henderson Avenue, Ottawa, Ontario
Year: 1950	
Site Listing:	-Res (1 tenant)
Adjacent Properties:	
Henderson Avenue 99	-Res (2 tenants)
Henderson Avenue 105	-Res (1 tenant)
Henderson Avenue 113	-Res (1 tenant)
Nelson 402	(Nelson St) -Res (1 tenant)

PROJECT NUMBER: 20171214077	
Site Address:	109 Henderson Avenue, Ottawa, Ontario
Year: 1945	
Site Listing:	-Res (1 tenant)
Adjacent Properties:	
Henderson Avenue 99	-Res (2 tenants)
Henderson Avenue 105	-Res (1 tenant)
Henderson Avenue 113	-Res (1 tenant)
Nelson 402	(Nelson St) -Res (1 tenant)

PROJECT NUMBER: 20171214077	
Site Address:	109 Henderson Avenue, Ottawa, Ontario
Year: 1940	
Site Listing:	-Res (1 tenant)
Adjacent Properties:	

Henderson Avenue 99	-Res (2 tenants)
Henderson Avenue 105	-Res (1 tenant)
Henderson Avenue 113	-Res (1 tenant)
Nelson 402	(Nelson St) -Res (1 tenant)

PROJECT NUMBER: 20171214077	
Site Address:	109 Henderson Avenue, Ottawa, Ontario
Year: 1935	
Site Listing:	-Res (1 tenant)
Adjacent Properties:	
Henderson Avenue 99	-Res (2 tenants)
Henderson Avenue 105	-Res (1 tenant)
Henderson Avenue 113	-Res (1 tenant)
Nelson 402	(Nelson St) -Res (1 tenant)

PROJECT NUMBER: 20171214077	
Site Address:	109 Henderson Avenue, Ottawa, Ontario
Year: 1930	
Site Listing:	-Res (1 tenant)
Adjacent Properties:	
Henderson Avenue 99	-Res (2 tenants)
Henderson Avenue 105	-Res (1 tenant)
Henderson Avenue 113	-Res (1 tenant)
Nelson 402	(Nelson St) -Res (1 tenant)

PROJECT NUMBER: 20171214077	
Site Address:	109 Henderson Avenue, Ottawa, Ontario
Year: 1924	
Site Listing:	-Res (1 tenant)
Adjacent Properties:	

Henderson Avenue 99	-Res (2 tenants)
Henderson Avenue 105	-Res (1 tenant)
Henderson Avenue 113	-Res (1 tenant)
Nelson 402	(Nelson St) -Address Not Listed

PROJECT NUMBER: 20171214077	
Site Address:	109 Henderson Avenue, Ottawa, Ontario
Year: 1920	
Site Listing:	-Res (1 tenant)
Adjacent Properties:	
Henderson Avenue 99	-Res (2 tenants)
Henderson Avenue 105	-Res (1 tenant)
Henderson Avenue 113	-Res (1 tenant)
Nelson 402	(Nelson St) -Res (1 tenant)

PROJECT NUMBER: 20171214077	
Site Address:	109 Henderson Avenue, Ottawa, Ontario
Year: 1915	
Site Listing:	-Res (1 tenant)
Adjacent Properties:	
Henderson Avenue 99	-Res (2 tenants)
Henderson Avenue 105	-Res (1 tenant)
Henderson Avenue 113	-Res (1 tenant)
Nelson 402	(Nelson St) -Res (1 tenant)

PROJECT NUMBER: 20171214077	
Site Address:	109 Henderson Avenue, Ottawa, Ontario
Year: 1910	
Site Listing:	-Res (1 tenant)
Adjacent Properties:	

Henderson Avenue 99	-Res (2 tenants)
Henderson Avenue 105	-Res (1 tenant)
Henderson Avenue 113	-Res (1 tenant)
Nelson 402	(Nelson St) -Res (1 tenant)

PROJECT NUMBER: 20171214077	
Site Address:	109 Henderson Avenue, Ottawa, Ontario
Year: 1905	
Site Listing:	-Res (1 tenant)
Adjacent Properties:	
Henderson Avenue 99	-Res (2 tenants)
Henderson Avenue 105	-Res (1 tenant)
Henderson Avenue 113	-Res (1 tenant)
Nelson 402	(Nelson St) -Res (1 tenant)

PROJECT NUMBER: 20171214077	
Site Address:	109 Henderson Avenue, Ottawa, Ontario
Year: 1900	
Site Listing:	-Res (1 tenant)
Adjacent Properties:	
Henderson Avenue 99	-Res (2 tenants)
Henderson Avenue 105	-Res (1 tenant)
Henderson Avenue 113	-Address Not Listed
Nelson 402	(Nelson St) -Address Not Listed

PROJECT NUMBER: 20171214077	
Site Address:	109 Henderson Avenue, Ottawa, Ontario
Year: 1895	
Site Listing:	-Address Not Listed
Adjacent Properties:	

Henderson Avenue 99	-Address Not Listed
Henderson Avenue 105	-Address Not Listed
Henderson Avenue 113	-Address Not Listed
Nelson 402	(Nelson St) -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



Ministry
of the
Environment

Ministère
de
l'Environnement

AMENDED CERTIFICATE OF APPROVAL
AIR
NUMBER 3690-5VGTYM

Ontario

University of Ottawa
P.O. Box 450, Station A
100 Thomas More Street
Ottawa, Ontario
K1N 6N5

Site Location: Bioscience Complex
20 Marie Curie Street
Ottawa, Ontario

You have applied in accordance with Section 9 of the Environmental Protection Act for approval of:

- one (1) exhaust system serving the Biology Department Laboratories, complete with 45 fume hoods, ductwork and three (3) Strobic fans, each discharging into the atmosphere at a volumetric flow rate of 22.7 actual cubic metres per second at an approximate temperature of 20 degrees Celsius, through three (3) separate stacks, each having an exit diameter of 1.14 metres, extending 4.14 metres above the roof and 26.4 metres above grade;

- one (1) exhaust silencer for each of the three (3) Strobic fans, capable of providing the following values of Insertion-Loss in 1/1 octave frequency bands:

Centre Frequency (Hertz)	63	125	250	500	1000	2000	4000	8000
Insertion-Loss (decibel)	-	5	11	14	15	15	10	6

- one (1) standby diesel generator set, having a rating of 500 kilowatts, to provide power during emergency situations, exhausting to the atmosphere at a maximum volumetric flow of 1.75 actual cubic metres per second at an approximate temperature of 520 degrees Celsius, through a stack having an exit diameter of 0.2 metre, extending 1.8 metres above the roof and 24.3 metres above grade;

- one (1) exhaust muffler (silencer) for the combustion exhaust of the diesel generator, capable of providing the following values of Insertion-Loss in 1/1 octave frequency bands:

Centre Frequency (Hertz)	63	125	250	500	1000	2000	4000	8000
Insertion-Loss (decibel)	14	23	33	33	27	24	22	21

all in accordance with the Application for a Certificate of Approval (Air) dated July 8, 2003 and signed by John Loop, Environmental Health & Safety Technician, University of Ottawa, and all supporting information associated with the application including additional information dated August 22, 2003 and signed by Elise Godin, Manager of Systems and Planning, Environmental Health and Safety, University of Ottawa, and dated February 10, 2004, March 2, 2004, April 27, 2004 and May 14, 2004 and signed by Lori A. Warren, Environmental Officer, Environmental Health and Safety Service, University of Ottawa.

For the purpose of this Certificate of Approval and the terms and conditions specified below, the following definitions apply:

(1) "Act" means the *Environmental Protection Act*;

(2) "Certificate" means this Certificate of Approval issued in accordance with Section 9 of the Act;

- (3) "Company" means University of Ottawa;
- (4) "Director" means any Ministry employee appointed by the Minister pursuant to Section 5 of the Act;
- (5) "District Manager" means the District Manager, Ottawa District Office, Eastern of the Ministry;
- (6) "Equipment" means the exhaust system, including the fume hoods and fans, and the standby generator, described in the Company's application, this Certificate and in the supporting documentation referred to herein, to the extent approved by this Certificate;
- (7) "Facility" means the entire operation located on the property where the Equipment is located;
- (8) "Independent Acoustical Consultant" means an Acoustical Consultant not representing the Company and not involved in the noise/vibration assessment or the design/implementation of noise control measures for the Facility/Equipment. The Independent Acoustical Consultant shall not be retained by the Consultant involved in the noise/vibration impact assessment or the design/implementation of noise/vibration control measures for the Facility/Equipment;
- (9) "Manual" means a document or a set of documents that provide written instruction to staff of the Company;
- (10) "Ministry" means the Ontario Ministry of the Environment;
- (11) "Noise Control Measures" means three (3) silencers for the Strobic fans, and an exhaust muffler (silencer) for the combustion exhaust of the diesel generator, described in the Company's application, this Certificate and in the supporting documentation referred to herein, to the extent approved by this Certificate;
- (12) "Publication NPC-103" means Ministry Publication NPC-103 "Procedures" of the Model Municipal Noise Control By-Law, Final Report, August 1978;
- (13) "Publication NPC-205" means Ministry Publication NPC-205 "Sound level Limits for Stationary Sources in Class 1 & 2 Areas (Urban)", October 1995; or "Publication NPC-232" means Ministry Publication NPC-232 "Sound Level Limits for Stationary Sources in Class 3 Areas (Rural)", October 1995; and
- (14) "Publication NPC-233" means Ministry Publication NPC-233 "Information to be Submitted for Approval of Stationary Sources of Sound" , October 1995.

You are hereby notified that this approval is issued to you subject to the terms and conditions outlined below:

TERMS AND CONDITIONS

PERFORMANCE

1. The Company shall ensure that the noise emissions from the Facility comply with the limits set in Publication NPC-205.

OPERATION AND MAINTENANCE

2. The Company shall ensure that the Equipment is properly operated and maintained at all times. The Company shall:

(1) Prepare, not later than three (3) months after the date of this Certificate, and update, as necessary, a Manual outlining the operating procedures and a maintenance program for the Equipment, including:

- (a) routine operating and maintenance procedures in accordance with good engineering practices and as recommended by the Equipment suppliers;
- (b) emergency procedures;

- (c) procedures for any record keeping activities relating to operation and maintenance of the Equipment; and
- (d) all appropriate measures to minimize emissions from all potential sources, including spill clean-up procedures;

(2) Implement the recommendations of the operating Manual; and

(3) Retain, for a minimum of two (2) years from the date of their creation, all records on maintenance, repair and inspection of the Equipment, including records of any spills, complete with the date, name and amount of substance spilled and action taken to clean-up the spill, and make these records available for review by staff of the Ministry upon request.

3. The Company shall fully implement the Noise Control Measures prior commencement of operations of the Equipment.

ACOUSTIC AUDIT

4. The Company shall carry out acoustic audit measurements on the actual noise emissions due to the operation of the Facility. The Company:

(1) shall carry out acoustic audit measurements in accordance with the procedures in Publication NPC-103; and

(2) shall submit a report on the results of the acoustic audit, prepared by an Independent Acoustical Consultant, in accordance with the requirements of Publication NPC-233, to the District Manager and the Director not later than three (3) months after the commencement of operation of the Facility or three (3) months after the date of this Certificate.

5. The Director:

(1) may not accept the results of the acoustic audit if the requirements of Publication NPC-233 were not followed; and

(2) may require the Company to repeat the acoustic audit if the results of the acoustic audit are found unacceptable to the Director.

The reasons for the imposition of these terms and conditions are as follows:

1. Conditions No. 1 and 3 are included to provide the minimum performance requirement considered necessary to prevent an adverse effect resulting from the operation of the Facility.

2. Condition No. 2 is included to emphasize that the Equipment must be maintained and operated according to a procedure that will result in compliance with the Act, the regulations and this Certificate. In addition the Company is required to keep records and to provide information to staff of the Ministry so that compliance with the Act, the regulations and this Certificate can be verified.

3. Condition No. 4 is included to require the Company to gather accurate information so that the environmental noise impact and subsequent compliance with the Act, the regulation and this Certificate can be verified;

4. Condition No. 5 is included to ensure that the acoustic audit is carried out in accordance with procedures set in the Ministry's Noise Guidelines.

This Certificate of Approval revokes and replaces Certificate(s) of Approval No. 8-4111-92-006 and 8-4084-93-006 issued on August 18, 1992 and August 25, 1993, respectively.

In accordance with Section 139 of the Environmental Protection Act, R.S.O. 1990, Chapter E-19, as amended, you may by written notice served upon me and the Environmental Review Tribunal within 15 days after receipt of this Notice, require a hearing by the Tribunal. Section 142 of the Environmental Protection Act, provides that the Notice requiring the hearing shall state:

1. The portions of the approval or each term or condition in the approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

The Notice should also include:

3. The name of the appellant;
4. The address of the appellant;
5. The Certificate of Approval number;
6. The date of the Certificate of Approval;
7. The name of the Director;
8. The municipality within which the works are located;

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary*
Environmental Review Tribunal
2300 Yonge St., 12th Floor
P.O. Box 2382
Toronto, Ontario
M4P 1E4

AND

The Director
Section 9, *Environmental Protection Act*
Ministry of Environment and Energy
2 St. Clair Avenue West, Floor 12A
Toronto, Ontario
M4V 1L5

*** Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 314-4600, Fax: (416) 314-4506 or www.ert.gov.on.ca**

The above noted works are approved under Section 9 of the Environmental Protection Act.

DATED AT TORONTO this 22nd day of June, 2004

Neil Parrish, P.Eng.
Director
Section 9, *Environmental Protection Act*

CL/
c: District Manager, MOE Ottawa
Elise Godin/Lori Warren, University of Ottawa

**CERTIFICATE OF APPROVAL****AIR**

NUMBER 6722-7BSL6V

Issue Date: March 25, 2008

The City of Ottawa
 100 Constellation Crescent, 6th Floor
 Ottawa, Ontario
 K2G 6J8

Site Location: Sandy Hill Flood Control Facility
 250 Somerset Street East
 Ottawa, Ontario

You have applied in accordance with Section 9 of the Environmental Protection Act for approval of:

- one (1) granular activated carbon (GAC) unit to treat air from an underground tank that is displaced during combined sewer overflow events into the tank, containing approximately 4,000 kilograms of activated carbon, exhausting into the atmosphere at a maximum volumetric flow rate of 2.60 cubic metres per second through a stack, designated as EX1, having an exit diameter of 0.6 metre and extending 5.0 metres above grade, complete with the following noise control measure:

. one (1) acoustic silencer for the exhaust fan (GAC Exhaust Fan), capable of providing the following values of Insertion-Loss in 1/1 octave frequency bands:

Centre Frequency (Hertz)	250	500	1,000	2,000
Insertion-Loss (decibel)	6	15	13	6

- one (1) exhaust system to serve the above underground tank during larger storm events, exhausting into the atmosphere at a maximum volumetric flow rate of 4.11 cubic metres per second through a stack, designated as EX2, having an exit diameter of 0.6 metre and extending 5.0 metres above grade;

all in accordance with the Application for Approval (Air & Noise) signed by Darryl Shurb of The City of Ottawa dated June 21, 2007, the supporting documentation submitted by Stantec Consulting Ltd. with the application and the additional information provided by Stantec Consulting Ltd.

For the purpose of this Certificate of Approval and the terms and conditions specified below, the following definitions apply:

- (1) "Act" means the Environmental Protection Act.
- (2) "Certificate" means this Certificate of Approval (Air) issued in accordance with Section 9 of the Act.
- (3) "Company" means The City of Ottawa.
- (4) "District Manager" means the District Manager, Ottawa District Office, Eastern Region of the Ministry.
- (5) "Equipment" means the GAC unit as described in the Company's application, this Certificate and in the supporting documentation submitted with the application, to the extent approved by this Certificate.

- (6) "Exhausted/Exhaustion" means the capacity of the GAC unit to adsorb emissions is reached and the GAC unit is no longer able to effectively reduce emissions.
- (7) "Facility" means the entire operation on the property where the Equipment is located.
- (8) "Manual" means a document or set of documents that provide written instructions to staff of the Company.
- (9) "Ministry" means Ontario Ministry of the Environment.
- (10) "Publication NPC-205" means Publication NPC-205, Sound Level Limits for Stationary Sources in Class 1 & 2 Areas (Urban), October, 1995.

You are hereby notified that this approval is issued to you subject to the terms and conditions outlined below:

TERMS AND CONDITIONS

1. The Company shall ensure that the noise emissions from the Facility comply with the limits determined in accordance with Publication NPC-205.
2. The Company shall ensure that the Equipment is properly operated and maintained at all times. The Company shall, as a minimum:
 - (1) prepare, not later than three (3) months from the date of this Certificate, and update, as necessary, a Manual outlining the operating procedures and a maintenance program for the Equipment, including:
 - (a) the routine and emergency operating and maintenance procedures in accordance with good engineering practices and as recommended by equipment suppliers;
 - (b) the procedures for any record keeping activities relating to the operation and maintenance of the Equipment;
 - (c) the procedures to test the Exhaustion of the GAC unit and replace it before it is Exhausted;
 - (d) procedures to prevent any upset conditions;
 - (e) procedures to prevent and/or minimize odorous emissions;
 - (f) procedures to record and respond to any environmental complaints.
 - (2) implement the recommendations of the Manual;
 - (3) establish a list of supervisory/management personnel responsible for the operation and maintenance of the Equipment.
3. The Company shall ensure that the GAC unit is not Exhausted when it is in operation.
4. The Company shall retain, for a minimum of two (2) years from the date of their creation, all records and information related to or resulting from the maintenance and recording activities required by this Certificate. These records shall be made available for inspection by staff of the Ministry upon request. The Company shall retain, as a minimum:
 - (1) all records on the maintenance, repair, inspection and cleaning of the Equipment;
 - (2) all records on the minimization of fugitive odour/particulate emissions;

(3) all records on the environmental complaints; including:

- (a) a description, time and date of each incident to which the complaint relates,
- (b) wind direction at the time of the incident to which the complaint relates,
- (c) a description of the measures taken to address the cause of the incident to which the complaint relates and to prevent a similar occurrence in the future.

The reasons for the imposition of these terms and conditions are as follows:

1. Condition 1 is included to provide the minimum performance requirement considered necessary to prevent an adverse effect resulting from the operation of the Facility.
2. Conditions 2 and 3 are included to emphasize that the Equipment must be maintained and operated according to a procedure that will result in compliance with the Act, the regulations and this Certificate.
3. Condition 3 is included to require the Company to keep records to assist the Ministry in determining whether or not the Equipment is being inspected and maintained as required by the Act, the regulations and this Certificate.

In accordance with Section 139 of the Environmental Protection Act, R.S.O. 1990, Chapter E-19, as amended, you may by written notice served upon me and the Environmental Review Tribunal within 15 days after receipt of this Notice, require a hearing by the Tribunal. Section 142 of the Environmental Protection Act, provides that the Notice requiring the hearing shall state:

1. The portions of the approval or each term or condition in the approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

The Notice should also include:

3. The name of the appellant;
4. The address of the appellant;
5. The Certificate of Approval number;
6. The date of the Certificate of Approval;
7. The name of the Director;
8. The municipality within which the works are located;

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary*
Environmental Review Tribunal
655 Bay Street, 15th Floor
Toronto, Ontario
M5G 1E5

AND

The Director
Section 9, *Environmental Protection Act*
Ministry of the Environment
2 St. Clair Avenue West, Floor 12A
Toronto, Ontario
M4V 1L5

*** Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at:
Tel: (416) 314-4600, Fax: (416) 314-4506 or www.ert.gov.on.ca**

The above noted works are approved under Section 9 of the Environmental Protection Act.

CONTENT COPY OF ORIGINAL

DATED AT TORONTO this 25th day of March, 2008

Victor Low, P.Eng.
Director
Section 9, *Environmental Protection Act*

KW/
c: District Manager, MOE Ottawa
Matt Lei, Stantec Consulting Inc.



Ministry of
Environment and
Energy

Ministère de
l'Environnement et de
l'Énergie

CERTIFICATE OF APPROVAL
MUNICIPAL AND PRIVATE SEWAGE WORKS
NUMBER 0963-5B9HS6

City of Ottawa
1495 Heron Road
Ottawa, Ontario
K1V 6A6

Site Location: Blackburn Avenue and Chapel Street
City of Ottawa, Ontario

You have applied in accordance with Section 53 of the Ontario Water Resources Act for approval of:

storm and sanitary sewers to be constructed in the City of Ottawa, on Blackburn Avenue and Chapel Street, all in accordance with the application from The City of Ottawa, dated June 12, 2002, including final plans and specifications prepared by The City of Ottawa.

In accordance with Section 100 of the Ontario Water Resources Act, R.S.O. 1990, Chapter 0.40, as amended, you may by written notice served upon me and the Environmental Review Tribunal within 15 days after receipt of this Notice, require a hearing by the Tribunal. Section 101 of the Ontario Water Resources Act, R.S.O. 1990, Chapter 0.40, provides that the Notice requiring the hearing shall state:

1. The portions of the approval or each term or condition in the approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

The Notice should also include:

3. The name of the appellant;
4. The address of the appellant;
5. The Certificate of Approval number;
6. The date of the Certificate of Approval;
7. The name of the Director;
8. The municipality within which the works are located;

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary*
Environmental Review Tribunal
2300 Yonge St., 12th Floor
P.O. Box 2382
Toronto, Ontario
M4P 1E4

AND

The Director
Section 53, *Ontario Water Resources Act*
Ministry of Environment and Energy
2 St. Clair Avenue West, Floor 12A
Toronto, Ontario
M4V 1L5

*** Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 314-4600, Fax: (416) 314-4506 or www.ert.gov.on.ca**

The above noted sewage works are approved under Section 53 of the Ontario Water Resources Act.

CONTENT COPY OF ORIGINAL

DATED AT TORONTO this 19th day of June, 2002

Aziz Ahmed, P.Eng.
Director
Section 53, *Ontario Water Resources Act*

AB/

c: District Manager, MOEE Ottawa District Office

P. Page, City Clerk and Director, Secretariat Services, City of Ottawa

W. Newell, P.Eng., Manager, Construction Services (West), City of Ottawa

R. Rehbein, P.Eng., City of Ottawa



Ministry of the Environment and Climate Change
Ministère de l'Environnement et de l'Action en matière de changement
climatique

ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER 2216-A77NFC

Issue Date: March 10, 2016

8550107 Canada Inc.
466 Nelson St, No. 4
Ottawa, Ontario
K1N 7S8

Site Location: 149 Henderson Avenue
149 Henderson Ave
Ottawa City, Ontario
K1N 7P5

You have applied under section 20.2 of Part II.1 of the Environmental Protection Act , R.S.O. 1990, c. E. 19 (Environmental Protection Act) for approval of:

establishment of stormwater management Works for a 0.038 ha site, for the removal of a single family dwelling and establishment of a three storey residential building at 149 Henderson Avenue (north-east corner of Henderson Avenue and Somerset Street); in the City of Ottawa;

STORMWATER MANAGEMENT WORKS

stormwater management works to provide water quantity control of the post development flows to the 2 year pre-existing development flows for all storm events up to and including the 100 year design storm; Works consist of: rooftop storage, on-site storm sewer system storage (including catchbasin and maintenance hole storage capacity) and one inlet control device in catchbasin maintenance hole (CBMH #1), prior to discharge to Henderson Avenue;

rooftop storage (three storey building) to provide approximately 4.7 m³ of storm runoff storage to a maximum depth of approximately 0.1 metre; with one (1) roof drain to control the combined flowrate discharging from the building to 1.2 L/s; discharging to the on-site storm sewer system;

on-site storm sewer system (including one (1) catchbasin and two (2) maintenance holes) to provide approximately 5.91 m³ of storm runoff storage;

one (1) inlet control device with an orifice (Hydovex Model 50VHV-1) in catchbasin maintenance hole (CBMH#1), to control flows to a maximum flowrate of 1.8 L/s at a maximum head of 1.8 metres, with no ponding depth above the grate for CBMH #1; discharging to the existing storm sewer (675 mm diameter) on Henderson Avenue;

all in accordance with:

1. the application dated November 26, 2015 and received on December 17, 2015;
2. all correspondence with the Owner, its representatives and the consultants for the stormwater management Works;
3. stormwater management report, titled, "Servicing Design Brief, 149 Henderson Avenue, Ottawa ON, Project 140290", dated May 22, 2015. revised September 1, 2015, prepared by Steve de Wit, P.Eng,

Kollaard Associates; and

4. final plans, specifications and drawings submitted by Steve de Wit, P.Eng, Kollaard Associates;

For the purpose of this environmental compliance approval, the following definitions apply:

1. "Approval" means this Environmental Compliance Approval and any Schedules to it, including the application and supporting documentation;
2. "Director" means any Ministry employee appointed by the Minister pursuant to section 5 of the Part II.1 of the Environmental Protection Act;
3. "Ministry" means the Ontario Ministry of the Environment and Climate Change;
4. "Owner" means 8550107 Canada Inc., and includes its successors and assignees;
5. "Water Supervisor" means the Water Supervisor of the appropriate local office of the Safe Drinking Water Branch of the Ministry, where the Works are geographically located;
6. "Works" means the sewage works described in the Owner's application, this Approval and in the supporting documentation referred to herein, to the extent approved by this Approval.

You are hereby notified that this environmental compliance approval is issued to you subject to the terms and conditions outlined below:

TERMS AND CONDITIONS

1. GENERAL CONDITIONS

1.1 The Owner shall ensure that any person authorized to carry out work on or operate any aspect of the Works is notified of this Approval and the conditions herein and shall take all reasonable measures to ensure any such person complies with the same.

1.2 Except as otherwise provided by these Conditions, the Owner shall design, build, install, operate and maintain the Works in accordance with the description given in this Approval, the application for approval of the works and the submitted supporting documents and plans and specifications as listed in this Approval.

1.3 Where there is a conflict between a provision of any submitted document referred to in this Approval and the Conditions of this Approval, the Conditions in this Approval shall take precedence, and where there is a conflict between the listed submitted documents, the document bearing the most recent date shall prevail.

1.4 Where there is a conflict between the listed submitted documents, and the application, the application shall take precedence unless it is clear that the purpose of the document was to amend the application.

1.5 The requirements of this Approval are severable. If any requirement of this Approval, or the application of any requirement of this Approval to any circumstance, is held invalid or unenforceable, the application of such requirement to other circumstances and the remainder of this Approval shall not be affected thereby.

1.6 The issuance of, and compliance with the conditions of, this Approval does not:

- (a) relieve any person of any obligation to comply with any provision of any applicable statute, regulation or other legal requirement, including, but not limited to, the obligation to obtain approval from the local conservation authority/MNRF necessary to construct or operate the sewage works; or
- (b) limit in any way the authority of the Ministry to require certain steps be taken to require the Owner to furnish any further information related to compliance with this Approval.

2. EXPIRY OF APPROVAL

2.1 The approval issued by this Approval will cease to apply to those parts of the Works which have not been constructed within five (5) years of the date of this Approval.

3. CHANGE OF OWNER

3.1 The Owner shall notify the Water Supervisor and the Director, in writing, of any of the following changes within thirty (30) days of the change occurring:

- (a) change of Owner;
- (b) change of address of the Owner;
- (c) change of partners where the Owner is or at any time becomes a partnership, and a copy of the most recent declaration filed under the Business Names Act, R.S.O. 1990, c.B17 shall be included in the notification to the Water Supervisor ; and
- (d) change of name of the corporation where the Owner is or at any time becomes a corporation, and a copy of the most current information filed under the Corporations Information Act, R.S.O. 1990, c. C39 shall be included in the notification to the Water Supervisor .

4. TEMPORARY EROSION AND SEDIMENT CONTROL

- (1) The Owner shall install and maintain temporary sediment and erosion control measures during construction and conduct inspections once every **two (2) weeks** and after each significant storm event (a significant storm event is defined as a minimum of 25 mm of rain in any 24 hours period). The inspections and maintenance of the temporary sediment and erosion control measures shall continue until they are no longer required and at which time they shall be removed and all disturbed areas reinstated properly.
- (2) The Owner shall maintain records of inspections and maintenance which shall be made available for inspection by the Ministry, upon request. The record shall include the name of the inspector, date of inspection, and the remedial measures, if any, undertaken to maintain the temporary sediment and erosion control measures.

5. OPERATION AND MAINTENANCE

5.1 The Owner shall make all necessary investigations, take all necessary steps and obtain all necessary approvals so as to ensure that the physical structure, siting and operations of the stormwater works do not constitute a safety or health hazard to the general public.

5.2 The Owner shall undertake an inspection of the condition of the stormwater management system, at least once a year, and undertake any necessary cleaning and maintenance to ensure that sediment, debris and excessive decaying vegetation are removed from the above noted stormwater management Works to prevent the excessive build-up of sediment, debris and/or decaying vegetation to avoid reduction of capacity of the stormwater management Works. The Owner shall also regularly

inspect and clean out the inlet to and outlet from the works to ensure that these are not obstructed.

5.3 The Owner shall ensure that the design storage volumes are maintained at all times.

5.4 The Owner shall maintain a logbook to record the results of these inspections and any cleaning and maintenance operations undertaken, and shall make the logbook available for inspection by the Ministry upon request. The logbook shall include, but not necessarily be limited to, the following information:

(a) the name of the Works; and

(b) the date and results of each inspection, maintenance and cleaning, including an estimate of the quantity of any materials removed.

6. RECORD KEEPING

6.1 The Owner shall retain for a minimum of five (5) years from the date of their creation, all records and information related to or resulting from the operation and maintenance activities required by this Approval.

The reasons for the imposition of these terms and conditions are as follows:

1. Condition 1 is imposed to ensure that the Works are built and operated in the manner in which they were described for review and upon which approval was granted. This condition is also included to emphasize the precedence of Conditions in the Approval and the practice that the Approval is based on the most current document, if several conflicting documents are submitted for review. The condition also advises the Owners their responsibility to notify any person they authorized to carry out work pursuant to this Approval the existence of this Approval. Furthermore, Condition 1.6 is included to emphasize that the issuance of the Approval does not diminish any other statutory and regulatory obligations to which the owner is subject in the construction, maintenance and operation of the works.

The condition specifically highlights the need to obtain any necessary conservation authority / MNRF approvals. The condition also emphasizes the fact that this Approval doesn't limit the authority of the Ministry to require further information.

2. Condition 2 is included to ensure that, when the Works are constructed, the Works will meet the standards that apply at the time of construction to ensure the ongoing protection of the environment.

3. Condition 3 is included to ensure that the Ministry records are kept accurate and current with respect to approved works and to ensure that subsequent owners of the Works are made aware of the Approval and continue to operate the Works in compliance with it.

4. Condition 4 is included as installation, regular inspection and maintenance of the temporary sediment and erosion control measures is required to mitigate the impact on the downstream receiving watercourse during construction, until they are no longer required.

5. Condition 5 is included as regular inspection and necessary removal of sediment and excessive decaying vegetation from the approved stormwater management Works is required to mitigate the impact of sediment, debris and/or decaying vegetation on the treatment capacity of the Works. It is also required to ensure that adequate storage is maintained in the stormwater management facilities at all times as required by the design, and to prevent stormwater impounded in the works from becoming stagnant. Furthermore, Condition 5 is included to ensure that the stormwater management Works are operated and maintained to function as designed.

6. Condition 6 is included to require that all records are retained for a sufficient time period to adequately evaluate the long-term operation and maintenance of the Works.

In accordance with Section 139 of the Environmental Protection Act, you may by written Notice served upon me and the Environmental Review Tribunal within 15 days after receipt of this Notice, require a hearing by the Tribunal. Section 142 of the Environmental Protection Act provides that the Notice requiring the hearing shall state:

1. The portions of the environmental compliance approval or each term or condition in the environmental compliance approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

The Notice should also include:

3. The name of the appellant;
4. The address of the appellant;
5. The environmental compliance approval number;
6. The date of the environmental compliance approval;
7. The name of the Director, and;
8. The municipality or municipalities within which the project is to be engaged in.

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary*
Environmental Review Tribunal
655 Bay Street, Suite 1500
Toronto, Ontario
M5G 1E5

AND

The Director appointed for the
purposes of Part II.1 of the
Environmental Protection Act
Ministry of the Environment and
Climate Change
135 St. Clair Avenue West, 1st
Floor
Toronto, Ontario
M4V 1P5

*** Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 212-6349, Fax: (416) 326-5370 or www.ert.gov.on.ca**

The above noted activity is approved under s.20.3 of Part II.1 of the Environmental Protection Act.

DATED AT TORONTO this 10th day of March, 2016

Gregory Zimmer, P.Eng.
Director
appointed for the purposes of Part II.1 of
the *Environmental Protection Act*

RS/
c: District Manager, MOECC Ottawa
City Clerk, City of Ottawa
Steve de Wit, P.Eng, Kollaard Associates



Ministry
of the
Environment

Ministère
de
l'Environnement

CERTIFICATE OF APPROVAL
AIR
NUMBER 6360-79LKH7
Issue Date: December 5, 2007

Nelson Place Apartments Inc.
152 Arnhem Street
Ottawa, Ontario
K2C 1V1

Site Location: Nelson Street Apartments
305 Nelson Street
Ottawa, Ontario

You have applied in accordance with Section 9 of the Environmental Protection Act for approval of:

- one (1) standby natural gas generator set, having a rating of 60 kilowatts, to provide power for the Nelson Street Apartments during emergency situations;

all in accordance with the Application for Approval (Air & Noise) dated June 1, 2007 and signed by Albert Falsetto, (President), Nelson Place Apartments Inc., and all supporting information associated with the application provided by Richard Goubko, RSG Engineering Inc.

For the purpose of this Certificate of Approval and the terms and conditions specified below, the following definitions apply:

- (1) "Act" means the *Environmental Protection Act*;
- (2) "Certificate" means this Certificate of Approval issued in accordance with Section 9 of the Act;
- (3) "Equipment" means the natural gas generator set described in the Owner's application, this Certificate and in the supporting documentation submitted with the application, to the extent approved by this Certificate;
- (4) "Manual" means a document or a set of documents that provide written instructions to staff of the Owner;
- (5) "Ministry" means the Ontario Ministry of the Environment;
- (6) "Owner" means Nelson Place Apartments Inc., and includes its successors and assignees;
- (7) "Publication NPC-205" means Ministry Publication NPC-205, Sound Level Limits for Stationary Sources in Class 1 & 2 Areas (Urban), October, 1995;

You are hereby notified that this approval is issued to you subject to the terms and conditions outlined below:

TERMS AND CONDITIONS

GENERAL

1. Except as otherwise provided by these Conditions, the Owner shall design, build, install, operate and maintain the Equipment in accordance with the description given in this Certificate, application for approval of the Equipment and the submitted supporting documents and plans and specifications as listed in this Certificate.
2. Where there is a conflict between a provision of any submitted document referred to in this Certificate and the Conditions of this Certificate, the Conditions in this Certificate shall take precedence, and where there is a conflict between the listed submitted documents, the document bearing the most recent date shall prevail.

PERFORMANCE

3. The Owner shall ensure that the noise emissions from the Equipment comply with the limits set out in Publication NPC-205

OPERATION AND MAINTENANCE

4. The Owner shall restrict the periodic testing of the Equipment to the daytime hours from 7:00 am to 7:00 pm.

5. The Owner shall ensure that the Equipment is properly operated and maintained at all times. The Owner shall:

(1) prepare, not later than three (3) months after the date of this Certificate or the date of commissioning of the Equipment, and update, as necessary, a Manual outlining the operating procedures and a maintenance program for the Equipment, including:

(a) routine operating and maintenance procedures in accordance with good engineering practices and as recommended by the Equipment suppliers;

(b) emergency procedures;

(c) procedures for any record keeping activities relating to operation and maintenance of the Equipment;

(d) all appropriate measures to minimize noise and odorous emissions from all potential sources;

(2) implement the recommendations of the Manual; and

(3) retain, for a minimum of two (2) years from the date of their creation, all records on the maintenance, repair and inspection of the Equipment, and make these records available for review by staff of the Ministry upon request.

The reasons for the imposition of these terms and conditions are as follows:

1. Condition Nos. 1 and 2 are imposed to ensure that the Equipment is built and operated in the manner in which it was described for review and upon which approval was granted. These conditions are also included to emphasize the precedence of Conditions in the Certificate and the practice that the Approval is based on the most current document, if several conflicting documents are submitted for review.

2. Condition No. 3 is included to provide the minimum performance requirement considered necessary to prevent an adverse effect resulting from the operation of the Equipment.

3. Condition No. 4 is included to ensure that the proposed operation, excluding emergency situations, is not extended beyond specific daytime hours to prevent an adverse effect resulting from the operation of the Equipment.

4. Condition No. 5 is included to emphasize that the Equipment must be maintained and operated according to a procedure that will result in compliance with the Act, the regulations and this Certificate. In addition the Owner is required to keep records and provide information to staff of the Ministry so that compliance with the Act, the regulations and this Certificate can be verified.

In accordance with Section 139 of the Environmental Protection Act, R.S.O. 1990, Chapter E-19, as amended, you may by written notice served upon me and the Environmental Review Tribunal within 15 days after receipt of this Notice, require a hearing by the Tribunal. Section 142 of the Environmental Protection Act, provides that the Notice requiring the hearing shall state:

1. The portions of the approval or each term or condition in the approval in respect of which the hearing is required, and;

2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

The Notice should also include:

3. The name of the appellant;
4. The address of the appellant;
5. The Certificate of Approval number;
6. The date of the Certificate of Approval;
7. The name of the Director;
8. The municipality within which the works are located;

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary*
Environmental Review Tribunal
2300 Yonge St., Suite 1700
P.O. Box 2382
Toronto, Ontario
M4P 1E4

AND

The Director
Section 9, *Environmental Protection Act*
Ministry of the Environment
2 St. Clair Avenue West, Floor 12A
Toronto, Ontario
M4V 1L5

*** Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at:
Tel: (416) 314-4600, Fax: (416) 314-4506 or www.ert.gov.on.ca**

The above noted works are approved under Section 9 of the Environmental Protection Act.

DATED AT TORONTO this 5th day of December, 2007

Mansoor Mahmood, P.Eng.
Director
Section 9, *Environmental Protection Act*

JG/
c: District Manager, MOE Ottawa District Office
Richard Goubko, RSG Engineering Inc.



Ministry
of the
Environment

Ministère
de
l'Environnement

CERTIFICATE OF APPROVAL
AIR
NUMBER 6360-79LKH7
Issue Date: December 5, 2007

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OPERATION AND MAINTENANCE

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(1) prepare, not later than three (3) months after the date of this Certificate or the date of commissioning of the Equipment, and update, as necessary, a Manual outlining the operating procedures and a maintenance program for the Equipment, including:

(a) routine operating and maintenance procedures in accordance with good engineering practices and as recommended by the Equipment suppliers;

(b) emergency procedures;

(c) procedures for any record keeping activities relating to operation and maintenance of the Equipment;

(d) all appropriate measures to minimize noise and odorous emissions from all potential sources;

(2) implement the recommendations of the Manual; and

(3) retain, for a minimum of two (2) years from the date of their creation, all records on the maintenance, repair and inspection of the Equipment, and make these records available for review by staff of the Ministry upon request.

The reasons for the imposition of these terms and conditions are as follows:

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In accordance with Section 139 of the Environmental Protection Act, R.S.O. 1990, Chapter E-19, as amended, you may by written notice served upon me and the Environmental Review Tribunal within 15 days after receipt of this Notice, require a hearing by the Tribunal. Section 142 of the Environmental Protection Act, provides that the Notice requiring the hearing shall state:

1. The portions of the approval or each term or condition in the approval in respect of which the hearing is required, and;

2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

The Notice should also include:

3. The name of the appellant;
4. The address of the appellant;
5. The Certificate of Approval number;
6. The date of the Certificate of Approval;
7. The name of the Director;
8. The municipality within which the works are located;

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary*
Environmental Review Tribunal
2300 Yonge St., Suite 1700
P.O. Box 2382
Toronto, Ontario
M4P 1E4

AND

The Director
Section 9, *Environmental Protection Act*
Ministry of the Environment
2 St. Clair Avenue West, Floor 12A
Toronto, Ontario
M4V 1L5

*** Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at:
Tel: (416) 314-4600, Fax: (416) 314-4506 or www.ert.gov.on.ca**

The above noted works are approved under Section 9 of the Environmental Protection Act.

DATED AT TORONTO this 5th day of December, 2007

Mansoor Mahmood, P.Eng.
Director
Section 9, *Environmental Protection Act*

JG/
c: District Manager, MOE Ottawa District Office
Richard Goubko, RSG Engineering Inc.

PHASE ONE ENVIRONMENTAL SITE ASSESSMENT 105 & 109 HENDERSON AVE., OTTAWA, ON



APPENDIX C – CORRESPONDENCE

December 18, 2017

Ministry of the Environment and Climate Change
Ottawa District Office
103-2430 Don Reid Drive
Ottawa ON K1H 1E1

Re: Freedom of Information Request (FOI)
Civic Address: 109 Henderson Ave., Ottawa, Ontario
Legal Description: PLAN 37221 LOT 14 (PIN 042090120)

Dear Sir/Madam,

We have been authorized to perform a Phase I Environmental Site Assessment (ESA) for the above-noted property located in Ottawa, Ontario. As part of the ESA we are required to review past environmental occurrences on the subject property. In order to perform this part of the research, we would like to enquire as to whether or not your office has any record of Orders, Approvals or other documentation pertaining to this property.

A figure has been attached showing a map and location details of the subject site. Thank you in advance for all of your assistance with this request.

If you have any further questions or require further clarification, please do not hesitate to contact the undersigned.

Yours Truly,



Meghan Coyle, B.Sc.

Ext. 2260

m.coyle@mcintoshperry.com

CP-17-0638 - Request to MOE for Orders and Approvals. - 109.docx

December 18, 2017

Ministry of the Environment and Climate Change
Ottawa District Office
103-2430 Don Reid Drive
Ottawa ON K1H 1E1

Re: Freedom of Information Request (FOI)
Civic Address: 105 Henderson Ave., Ottawa, Ontario
Legal Description: PLAN 37221 LOT 13 (PIN 04090119)

Dear Sir/Madam,

We have been authorized to perform a Phase I Environmental Site Assessment (ESA) for the above-noted property located in Ottawa, Ontario. As part of the ESA we are required to review past environmental occurrences on the subject property. In order to perform this part of the research, we would like to enquire as to whether or not your office has any record of Orders, Approvals or other documentation pertaining to this property.

A figure has been attached showing a map and location details of the subject site. Thank you in advance for all of your assistance with this request.

If you have any further questions or require further clarification, please do not hesitate to contact the undersigned.

Yours Truly,



Meghan Coyle, B.Sc.

Ext. 2260

m.coyle@mcintoshperry.com

CP-17-0638 - Request to MOE for Orders and Approvals..docx

Ministry of the Environment
and Climate Change
Ottawa District Office
2430 Don Reid Drive, Suite 103
Ottawa Ontario
K1H 1E1
613-521-3450 or 1-800-860-2195
Fax: 613-521-5437

Ministère de l'Environnement et de
l'Action en matière de changement climatique
Bureau du district d'Ottawa
2430, promenade Don Reid, Unité 103
Ottawa (Ontario)
K1H 1E1
613-521-3450 ou 1-800-860-2195
Télec. : 613-521-5437



OTT File No: **95**

**INDEX REVIEW REPORT
COMMERCIAL/INDUSTRIAL/AGRICULTURAL**

Attention: Meghan Coyle McIntosh Perry	Your File: Date Received: December 27, 2017
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Thank you for your inquiry requesting a search of records from the Ministry of the Environment and Climate Change (ministry). The ministry encourages you to use the available on-line resources to access publically-available information which may assist with your inquiry.

PROPERTY OWNER AND LOCATION

Location: Municipality: **Ottawa**
Address: **109 Henderson Avenue**
Lot Concession Township

INDEX OF NAMES FOR ORDERS

We have searched the *Ottawa District Index Record of Active Orders* under the Environmental Protection Act (EPA), Ontario Water Resources Act (OWRA) and the Pesticides Act (PA) issued to: and the following information has been found:

☒ No Active Orders are outstanding

Please Note: *For information related to any ministry Orders issued to the property in question, please request this information from the property owner. If you would like further information regarding a specific Order issued, please contact the Ottawa District Office.*

Date of Search: January 2, 2018

RECORD OF SITE CONDITION

For information on **Records of Site Condition** filed on the Environmental Site Registry since October 1, 2004, please use the following links:

For records of site condition filed between October 1, 2004 and June 30, 2011

<https://www.lrcsde.lrc.gov.on.ca/besrWebPublic/generalSearch>, and for records of site condition filed since July 1, 2011 <https://www.ontario.ca/environment-and-energy/records-site-condition>

INDEX REVIEW REPORT COMMERCIAL/INDUSTRIAL/AGRICULTURAL

INDEX OF NAMES FOR APPROVALS ISSUED SINCE 1999

A search of the Index Record of names of all persons to whom approvals have been issued, maintained by the Director, Approvals Branch and the Regional Director, *Eastern Region*, and the District Manager, *Ottawa District*, under Section 19 EPA and Section 13 OWRA and the following information has been provided :

<u>Type</u>	<u>Number</u>	<u>Issued To</u>	<u>Issue Date</u>
Section 9 EPA (Air)			
Section 39 EPA (Waste Management)			
Section 52 OWRA (Water)			
Section 53 OWRA (Municipal/Private/ Industrial Sewage)			
Other			

The **ministry's Access Environment** is an on-line, map-based search tool designed to allow the public, quick and easy access to the ministry approvals and registration information from December 1999 onward. Access Environment currently displays Environmental Compliance Approvals (ECA), Renewable Energy Approvals (REA) and registrations on the Environmental Activity and Sector Registry (EASR). ECAs include all Certificates of Approval (CofAs) previously issued under the Environmental Protection Act (EPA) and approvals previously issued under s.53 of the Ontario Water Resources Act (OWRA). You can access this information from the ministry website or at the following link:

www.accessenvironment.ene.gov.on.ca/AEWeb/ae/GoSearch.action?search=basic&lang=en

Copies of **ECAs issued before January 1, 2000** can be obtained by submitting a Request for a Copy of an Environmental Compliance Approval

Please Note:

- 1) The information provided above is based solely on the address(es) and name(s) of the present and past owners provided by you.
- 2) The Index Record of Names to whom approvals have been issued, maintained by the Regional Director and District Manager, has been searched back to 1999.
- 3) A search of our records does **NOT** indicate whether there are:
 - other uses for which an approval may have been required, **nor**
 - other uses on the property or in the vicinity that may affect the suitability of the property, for the use proposed to be made of it.If a comprehensive knowledge of the property and the nearby lands and their environmental condition is required, you must examine them and other relevant records yourself, with the aid of a qualified person, if needed.

☒ No Approvals have been issued.

Date of Search: January 2, 2018

INDEX REVIEW REPORT COMMERCIAL/INDUSTRIAL/AGRICULTURAL

Additional site information related to the **location of landfill sites** in the province can be found at the following link:

<http://www.ontario.ca/environment-and-energy/small-landfill-sites>

<http://www.ontario.ca/environment-and-energy/map-large-landfill-sites>

The **ministry's Hazardous Waste Information Network (HWIN)** can also be accessed to search for information on generators, carriers, and receivers of subject waste in the province at the following link: www.hwin.ca

The **ministry's Environmental Compliance Reports** provide information about contaminant discharges to water and emissions to air that exceed limits found in legislation, environmental approvals, orders and/or policies/guidelines and can be accessed at the following link:
<http://www.ontario.ca/environment-and-energy/environmental-compliance-reports>

Information on **Environmental Penalties**, which are monetary penalties that can be imposed by the ministry for some industrial spills, can be assessed at the following link:
<https://www.ontario.ca/search/search-results?query=environmental%20penalties>

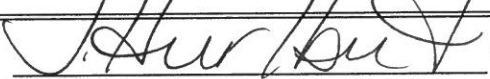
Additional ministry information can be accessed through the **Government of Ontario's Open Data Catalogue**: <http://www.ontario.ca/government/open-data-ontario>

The ministry also encourages you to consider best practices and standards of care used within the legal community and through your associations as a guide to obtaining information related to specific property for any legal purpose.

We trust this information will help meet your requirements quickly and effectively.

Please advise your colleagues that responses to requests for searches always take some time. As a result the Ministry of the Environment and Climate Change may not be able to meet deadlines imposed by other parties on real estate and other transactions.

Thank you for your inquiry.

Signature:			
Contact Name:	Jéhanne Hurlbut		
Title:	Administrative Assistant		
Address:	Ministry of the Environment and Climate Change 2430 Don Reid Drive, Unit 103 Ottawa, ON K1H 1E1		
Phone:	(613) 521-3450 Ext 221	Date:	January 2, 2018
			E&OE

Please Note: If you would like to receive an email with all the environmental links above, please contact me at jehanne.hurlbut@ontario.ca and I will be pleased to send them to you.

Ministry of the Environment
and Climate Change
Ottawa District Office
2430 Don Reid Drive, Suite 103
Ottawa Ontario
K1H 1E1
613-521-3450 or 1-800-860-2195
Fax: 613-521-5437

Ministère de l'Environnement et de
l'Action en matière de changement climatique
Bureau du district d'Ottawa
2430, promenade Don Reid, Unité 103
Ottawa (Ontario)
K1H 1E1
613-521-3450 ou 1-800-860-2195
Téléc. : 613-521-5437



OTT File No: 96

**INDEX REVIEW REPORT
COMMERCIAL/INDUSTRIAL/AGRICULTURAL**

Attention: Meghan Coyle McIntosh Perry	Your File: Date Received: December 27, 2017
---	--

Thank you for your inquiry requesting a search of records from the Ministry of the Environment and Climate Change (ministry). The ministry encourages you to use the available on-line resources to access publically-available information which may assist with your inquiry.

PROPERTY OWNER AND LOCATION

Location: Municipality: **Ottawa**

Address: **105 Henderson Avenue**
Lot Concession Township

INDEX OF NAMES FOR ORDERS

We have searched the *Ottawa* District Index Record of Active Orders under the Environmental Protection Act (EPA), Ontario Water Resources Act (OWRA) and the Pesticides Act (PA) issued to: and the following information has been found:

☒ No Active Orders are outstanding

Please Note: For information related to any ministry Orders issued to the property in question, **please request this information from the property owner.** If you would like further information regarding a specific Order issued, please contact the *Ottawa District Office*.

Date of Search: January 2, 2018

RECORD OF SITE CONDITION

For information on **Records of Site Condition** filed on the Environmental Site Registry since October 1, 2004, please use the following links:

For records of site condition filed between October 1, 2004 and June 30, 2011

<https://www.lrcsde.lrc.gov.on.ca/besrWebPublic/generalSearch>, and for records of site condition filed since July 1, 2011 <https://www.ontario.ca/environment-and-energy/records-site-condition>

INDEX REVIEW REPORT COMMERCIAL/INDUSTRIAL/AGRICULTURAL

INDEX OF NAMES FOR APPROVALS ISSUED SINCE 1999

A search of the Index Record of names of all persons to whom approvals have been issued, maintained by the Director, Approvals Branch and the Regional Director, *Eastern Region*, and the District Manager, *Ottawa District*, under Section 19 EPA and Section 13 OWRA and the following information has been provided :

<u>Type</u>	<u>Number</u>	<u>Issued To</u>	<u>Issue Date</u>
Section 9 EPA (Air)			
Section 39 EPA (Waste Management)			
Section 52 OWRA (Water)			
Section 53 OWRA (Municipal/Private/ Industrial Sewage)			
Other			

The **ministry's Access Environment** is an on-line, map-based search tool designed to allow the public, quick and easy access to the ministry approvals and registration information from December 1999 onward. Access Environment currently displays Environmental Compliance Approvals (ECA), Renewable Energy Approvals (REA) and registrations on the Environmental Activity and Sector Registry (EASR). ECAs include all Certificates of Approval (CofAs) previously issued under the Environmental Protection Act (EPA) and approvals previously issued under s.53 of the Ontario Water Resources Act (OWRA). You can access this information from the ministry website or at the following link:

www.accessenvironment.ene.gov.on.ca/AEWeb/ae/GoSearch.action?search=basic&lang=en

Copies of **ECAs issued before January 1, 2000** can be obtained by submitting a Request for a Copy of an Environmental Compliance Approval

Please Note:

- 1) The information provided above is based solely on the address(es) and name(s) of the present and past owners provided by you.
- 2) The Index Record of Names to whom approvals have been issued, maintained by the Regional Director and District Manager, has been searched back to 1999.
- 3) A search of our records does **NOT** indicate whether there are:
 - other uses for which an approval may have been required, **nor**
 - other uses on the property or in the vicinity that may affect the suitability of the property, for the use proposed to be made of it.
 If a comprehensive knowledge of the property and the nearby lands and their environmental condition is required, you must examine them and other relevant records yourself, with the aid of a qualified person, if needed.

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Date of Search: January 2, 2018

INDEX REVIEW REPORT COMMERCIAL/INDUSTRIAL/AGRICULTURAL

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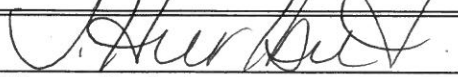
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Please advise your colleagues that responses to requests for searches always take some time. As a result the Ministry of the Environment and Climate Change may not be able to meet deadlines imposed by other parties on real estate and other transactions.

Thank you for your inquiry.

Signature:		
Contact Name:	Jéhanne Hurlbut	
Title:	Administrative Assistant	
Address:	Ministry of the Environment and Climate Change 2430 Don Reid Drive, Unit 103 Ottawa, ON K1H 1E1	
Phone:	(613) 521-3450 Ext 221	Date: January 2, 2018
		E&OE

Please Note: If you would like to receive an email with all the environmental links above, please contact me at jehanne.hurlbut@ontario.ca and I will be pleased to send them to you.

McINTOSH PERRY

December 18, 2017

Ministry of the Environment and Climate Change
Freedom of Information Office
40 St. Clair Avenue West, 12th Floor
Toronto, ON M4V 1M2

Re: Freedom of Information Request (FOI)
Civic Address: 109 Henderson Ave., Ottawa, Ontario
Legal Description: PLAN 37221 LOT 14 (PIN 042090120)

Dear Sir/Madam,

Please find enclosed a freedom of information request pertaining to the above-noted site. A credit card payment form for the Freedom of Information Request fee is enclosed. Please mail or fax our office any information regarding this site.

If you have any further questions, please do not hesitate to contact the undersigned.

Yours Truly,



Meghan Coyle, B.Sc.

Ext. 2260

m.coyle@mcintoshperry.com

CP-17-0638 - MOE Freedom of Information Request. - 109.docx

McINTOSH PERRY

December 18, 2017

Ministry of the Environment and Climate Change
Freedom of Information Office
40 St. Clair Avenue West, 12th Floor
Toronto, ON M4V 1M2

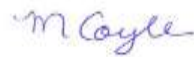
Re: Freedom of Information Request (FOI)
Civic Address: 105 Henderson Ave., Ottawa, Ontario
Legal Description: PLAN 37221 LOT 13 (PIN 04090119)

Dear Sir/Madam,

Please find enclosed a freedom of information request pertaining to the above-noted site. A credit card payment form for the Freedom of Information Request fee is enclosed. Please mail or fax our office any information regarding this site.

If you have any further questions, please do not hesitate to contact the undersigned.

Yours Truly,



Meghan Coyle, B.Sc.

Ext. 2260

m.coyle@mcintoshperry.com

CP-17-0638 - MOE Freedom of Information Request .docx

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: m.coyle@mcintoshperry.com			Fee Paid	
			<input type="checkbox"/> ACCT <input type="checkbox"/> CHQ <input type="checkbox"/> VISA/MC <input type="checkbox"/> CASH	
Telephone/Fax Nos. Tel. (613) 836-2184 ext. 2260 Fax (613) 836-3742	Your Project/Reference No. CP-17-0638	Signature/Print /Name of Requester /Meghan Coyle	<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)				
Civic Address: 109 Henderson Ave., Ottawa, Ontario				
Legal Description: PLAN 37221 LOT 14 (PIN 042090120)				
Present Property Owner(s) and Date(s) of Ownership				
TC United, 2017				
Previous Property Owner(s) and Date(s) of Ownership				
Unknown				
Present/Previous Tenant(s), (if applicable)				
Unknown				
Search Parameters			Specify Year(s) Requested	
Files older than 2 years may require \$60.00 retrieval cost. There is no guarantee that records responsive to your request will be located.				
Environmental concerns (General correspondence, occurrence reports, abatement)			1986-2013	
Orders			1986-2013	
Spills			1986-2013	
Investigations/prosecutions ➤ Owner AND tenant information must be provided			1986-2013	
Waste Generator number/classes			1986-2013	
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		1986-2013		
water - mains, treatment, ground level, standpipes & elevated storage, pumping stations (local & booster)		1986-2013		
sewage - sanitary, storm, treatment, stormwater, leachate & leachate treatment & sewage pump stations		1986-2013		
waste water - industrial discharges		1986-2013		
waste sites - disposal, landfill sites, transfer stations, processing sites, incinerator sites		1986-2013		
waste systems - PCB destruction, mobile waste processing units, haulers: sewage, non-hazardous & hazardous waste		1986-2013		
pesticides - licenses		1986-2013		

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.



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: m.coyle@mcintoshperry.com			Fee Paid	
			<input type="checkbox"/> ACCT <input type="checkbox"/> CHQ <input type="checkbox"/> VISA/MC <input type="checkbox"/> CASH	
Telephone/Fax Nos. Tel. (613) 836-2184 ext. 2260 Fax (613) 836-3742	Your Project/Reference No. CP-17-0638	Signature/Print /Name of Requester /Meghan Coyle	<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)				
Civic Address: 105 Henderson Ave., Ottawa, Ontario				
Legal Description: PLAN 37221 LOT 13 (PIN 04090119)				
Present Property Owner(s) and Date(s) of Ownership				
TC United, 2017				
Previous Property Owner(s) and Date(s) of Ownership				
Unknown				
Present/Previous Tenant(s), (if applicable)				
Unknown				
Search Parameters			Specify Year(s) Requested	
Files older than 2 years may require \$60.00 retrieval cost. There is no guarantee that records responsive to your request will be located.				
Environmental concerns (General correspondence, occurrence reports, abatement)			1986-2013	
Orders			1986-2013	
Spills			1986-2013	
Investigations/prosecutions ➤ Owner AND tenant information must be provided			1986-2013	
Waste Generator number/classes			1986-2013	
Certificates of Approval ➤ Proponent information must be provided				
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Ministry of the Environment
and Climate Change

Freedom of Information and
Protection of Privacy Office

12th Floor
40 St. Clair Avenue West
Toronto ON M4V 1M2
Tel: (416) 314-4075
Fax: (416) 314-4285

Ministère de l'Environnement et de
l'Action en matière de changement
climatique

Bureau de l'accès à l'information et
de la protection de la vie privée

12^e étage
40, avenue St. Clair ouest
Toronto ON M4V 1M2
Tél.: (416) 314-4075
Télec.: (416) 314-4285



January 2, 2018

Meghan Coyle
McIntosh Perry Consulting Engineers
115 Walgreen Road, RR 3
Carp, ON K0A 1L0

Dear Meghan Coyle:

RE: **Freedom of Information and Protection of Privacy Act Request**
Our File # A-2017-08879, Your Reference CP-17-0636

This letter is in response to your request made pursuant to the *Freedom of Information and Protection of Privacy Act* relating to 105 Henderson Avenue, Ottawa.

After a thorough search through the files of the Ministry's Ottawa District Office, Investigations and Enforcement Branch, Environmental Assessment and Permissions Branch, Environmental Monitoring and Reporting Branch, Sector Compliance Branch and Safe Drinking Water Branch, no records were located responsive to your request. To provide you with this response and in accordance with Section 57 of the *Freedom of Information and Protection of Privacy Act*, the fee owed is \$30.00 for 1 hour of search time @ \$30.00 per hour. **We have applied the \$30.00 for this request from your initial payment. This file is now closed.**

You may request a review of my decision by contacting the Information and Privacy Commissioner/Ontario, 2 Bloor Street East, Suite 1400, Toronto, ON M4W 1A8 (800-387-0073 or 416-326-3333). Please note that there is a \$25.00 fee and you only have 30 days from receipt of this letter to request a review.

If you have any questions regarding this matter, please contact Rebeka Bogdan at Rebeka.Bogdan@ontario.ca.

Yours truly,


Janet Dadufalza
FOI Manager

Ministry of the Environment
and Climate Change

Freedom of Information and
Protection of Privacy Office

12th Floor
40 St. Clair Avenue West
Toronto ON M4V 1M2
Tel: (416) 314-4075
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12^e étage
40, avenue St. Clair ouest
Toronto ON M4V 1M2
Tél. : (416) 314-4075
Télec.: (416) 314-4285



January 2, 2018

Meghan Coyle
McIntosh Perry Consulting Engineers
115 Walgreen Road, RR 3
Carp, ON K0A 1L0

Dear Meghan Coyle:

RE: ***Freedom of Information and Protection of Privacy Act Request***
Our File # A-2017-08880, Your Reference CP-17-0638

This letter is in response to your request made pursuant to the *Freedom of Information and Protection of Privacy Act* relating to 109 Henderson Avenue, Ottawa.

After a thorough search through the files of the Ministry's Ottawa District Office, Investigations and Enforcement Branch, Environmental Assessment and Permissions Branch, Environmental Monitoring and Reporting Branch, Sector Compliance Branch and Safe Drinking Water Branch, no records were located responsive to your request. To provide you with this response and in accordance with Section 57 of the *Freedom of Information and Protection of Privacy Act*, the fee owed is \$30.00 for 1 hour of search time @ \$30.00 per hour. **We have applied the \$30.00 for this request from your initial payment. This file is now closed.**

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If you have any questions regarding this matter, please contact Rebeka Bogdan at Rebeka.Bogdan@ontario.ca.

Yours truly,

FOR 
Janet Dadufalza
FOI Manager

From: Bradley Sutherland
Sent: January 22, 2018 11:37 AM
To: 'custservice@hydroottawa.com'
Subject: Henderson Ave Sub-station

Good afternoon,

I am performing a Phase 1 Environmental Site Assessment of a property in the area of the Henderson Ave power sub-station. This assessment requires a check of surrounding properties for possible areas of environmental concern. Activities associated with Electric power generation and transportation are areas of concern. Could you confirm if there are transformers at the Henderson Ave sub-station and if there are, is there a monitoring program for leaks and spills at the site? Is there a set protocol for spill response and containment?

Thank you for your time,

Bradley Sutherland, B.Sc.

Environmental Scientist

115 Walgreen Road, R.R. 3, Carp, ON K0A 1L0

T. 613.836.2184 (ext. 2283) | C. 613.915.4836

b.sutherland@mcintoshperry.com | www.mcintoshperry.com

McINTOSH PERRY

From: Rouleau, Lynn <lynnrouleau@hydroottawa.com>
Sent: January 25, 2018 5:30 PM
To: Bradley Sutherland
Subject: RE: Henderson Ave Sub-station

Hi Bradley,

Thank you for your e-mail. I have forwarded your e-mail to the service desk to respond to you.

Have a nice day.

Thanks

Lynn Rouleau
Customer Contact Agent/Agente au Service à la clientèle
Tel. / tél. 613-738-5499 | ext. / poste 1016
lynnrouleau@hydroottawa.com

Hydro Ottawa Limited / Hydro Ottawa limitée
3025 Albion Road North, PO Box 8700 / chemin Albion Nord, C.P. 8700
Ottawa, Ontario K1G 3S4

www.hydroottawa.com



From: Bradley Sutherland [<mailto:b.sutherland@mcintoshperry.com>]
Sent: January-22-18 11:41 AM
To: Hydro Ottawa Customer Service
Subject: Henderson Ave Sub-station

Notice: External Email

Good afternoon,

I am performing a Phase 1 Environmental Site Assessment of a property in the area of the Henderson Ave power sub-station. This assessment requires a check of surrounding properties for possible areas of environmental concern. Activities associated with Electric power generation and transportation are areas of concern. Could you confirm if there are transformers at the Henderson Ave sub-station and if there are, is there a monitoring program for leaks and spills at the site? Is there a set protocol for spill response and containment?

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Environmental Scientist

115 Walgreen Road, R.R. 3, Carp, ON K0A 1L0

T. 613.836.2184 (ext. 2283) | C. 613.915.4836

b.sutherland@mcintoshperry.com | www.mcintoshperry.com

McINTOSH PERRY

This communication is intended solely for the information and use of the individual or entity to which it is addressed. Its contents may contain information that is confidential, privileged and exempt from disclosure under applicable law. Any use, disclosure, printing or copying of this communication by anyone other than the intended recipient(s) is strictly prohibited. If you have received this communication in error, please immediately notify the sender, delete the message and do not retain a copy. Thank you.

Cette communication est destinée seulement pour les renseignements et l'utilisation de la personne à qui elle est adressée. Elle peut contenir de l'information confidentielle, privilégiée et ne pouvant être divulguée selon la loi applicable en l'espèce. L'utilisation, la diffusion, la distribution et la reproduction du contenu de cette communication autre que par le récipiendaire à qui elle est adressée sont strictement interdites. Si vous recevez cette communication par erreur, veuillez aviser l'expéditeur, la supprimer définitivement et détruire toutes les copies de la communication. Merci.



PHASE ONE ENVIRONMENTAL SITE ASSESSMENT 105 & 109 HENDERSON AVE., OTTAWA, ON



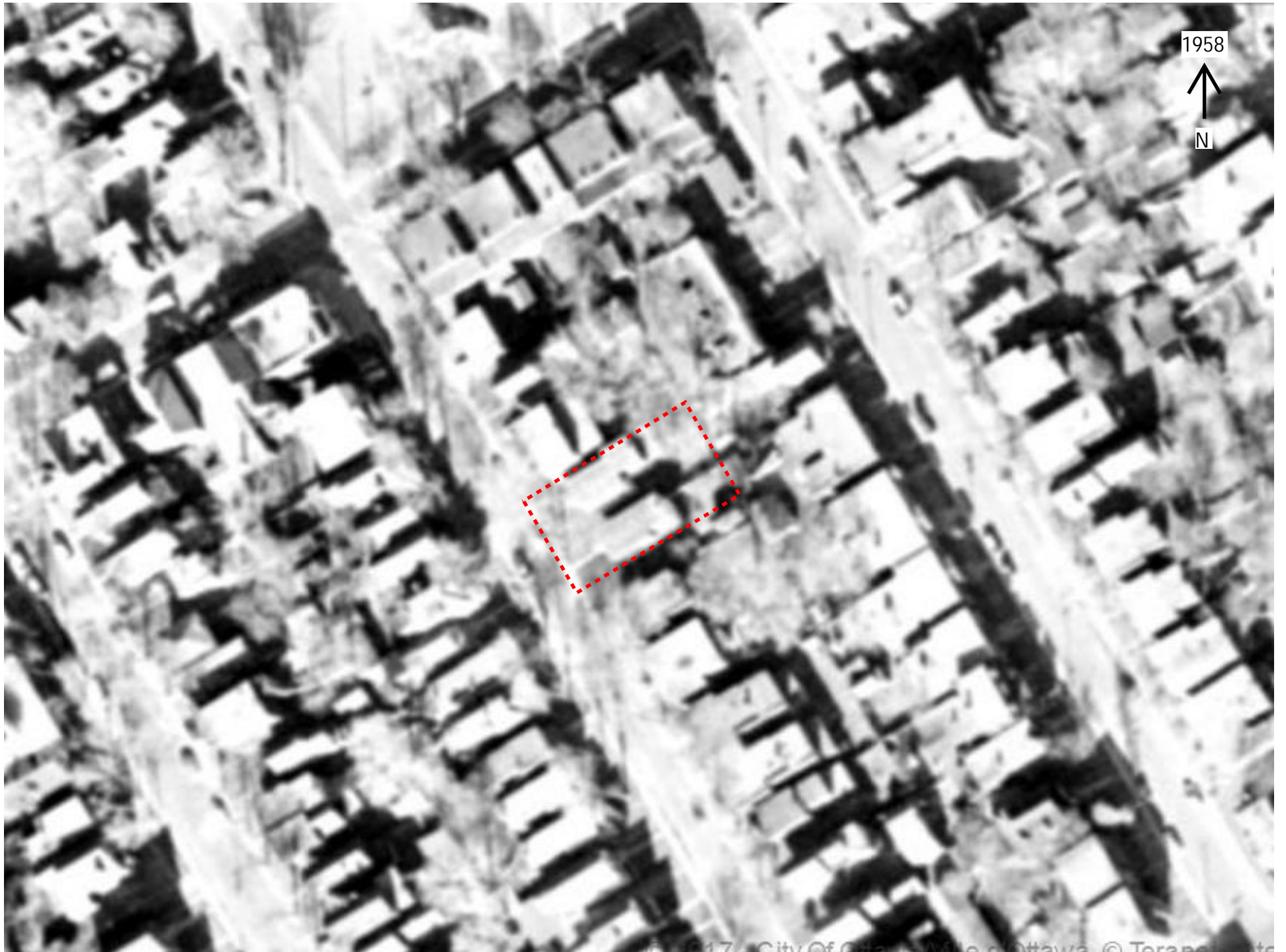
APPENDIX D – AERIAL PHOTOGRAPHS



1928



N









2007





2017



N

PHASE ONE ENVIRONMENTAL SITE ASSESSMENT 105 & 109 HENDERSON AVE., OTTAWA, ON



APPENDIX E – INTERVIEW RECORDS

105-109 Henderson.

Phase I ESA Interviews

Interviewer (MPCE) Bradley Sutherland MPCE Project No. 17-00638Interviewee Michael MeginnRelationship to Subject Property 105-109 Henderson Time Associated with Property: 1988Date Jan 9th 2018 Date Property was developed: 1910

Potential Item of Concern	Interview Comments
Accidents/Spills	No.
Previous Use of Site	Residential
Adjacent Properties	Residential
Fuel Handling/Storage	No
Maintenance/ Operational Areas	
Hazardous Materials Storage	No
Salt Storage	No

Potential Item of Concern	Interview Comments
Fuel Storage Tanks	no / was heating oil.
Odours	no
Potable Water	city
Septic and Wastewater Discharges	no
Pesticides	no
Mould	no
Heating and Cooling Systems	Furnace 5 years oil heated prior
Major Mechanical Equipment	no
Waste Oils, Solvents, Batteries	no
PCBs	no
Asbestos	no
Lead Paint	not in last 20 years.

Potential Item of Concern	Interview Comments
ODS	NO
Electromagnetic Radiation	NO
UFFI	NO
Mercury	NO
Radon Gas	NO
Soil and Groundwater Conditions	NO knowledge
Wells	NO
Waste Disposal and Recycling	City
Fill Material	NO
Floor Drains/OWS (discharge locations)	NO downstairs
Other	NO

Future use of property: Current buildings moved forward and large lower apartment
behind.

PHASE ONE ENVIRONMENTAL SITE ASSESSMENT 105 & 109 HENDERSON AVE., OTTAWA, ON



APPENDIX F – SITE PHOTOGRAPHS



Photograph 1. 105 Henderson Ave, facing north.



Photograph 2. 109 Henderson Ave, facing east.



Photograph 3. Large quantity of paint and assorted coatings, basement of 105 Henderson



Photograph 4. Floor drain with minor staining and sewer stack, basement of 105 Henderson



Photograph 5. Windows in basement appear to be buried, basement of 105 Henderson



Photograph 6. Ash clean out port, basement of 105 Henderson



Photograph 7. Furnace and hot water tank (behind duct work), basement 105 Henderson



Photograph 8. Furnace and Hot water tank, basement of 109 Henderson



Photograph 9. Floor drain with minor staining, basement 109 Henderson



Photograph 10. Mould like substance on basement floor, 109 Henderson



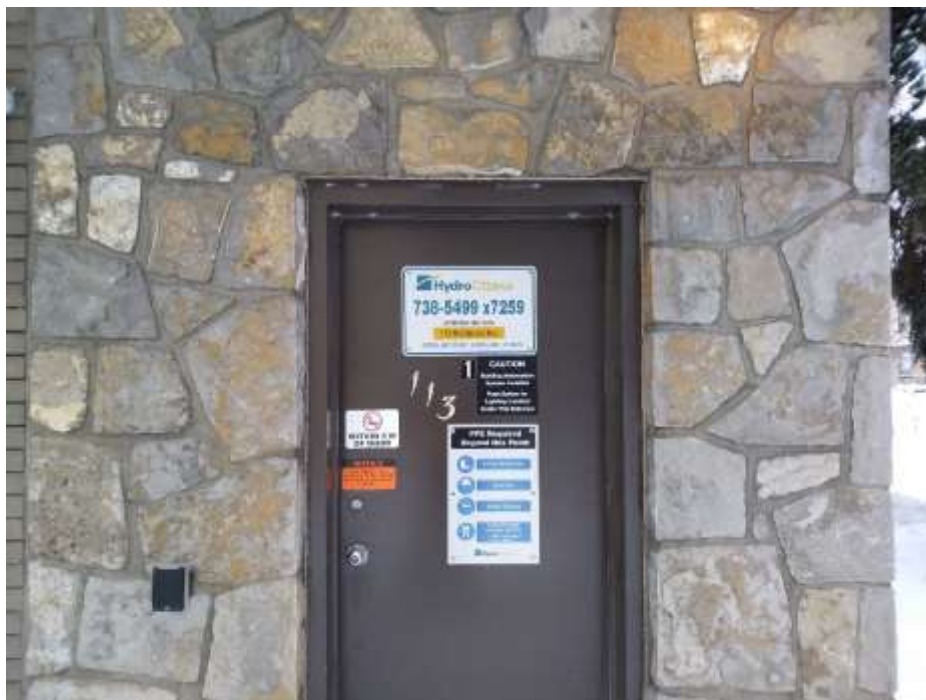
Photograph 11. HVAC ducts and ash clean out port, located behind furnace, basement of 109 Henderson



Photograph 12. Unidentified substance (possible efflorescence) on interior of stone foundation, basement of 109 Henderson



Photograph 13. Shed behind 109 Henderson Street containing jerry cans and propane tank.



Photograph 14. Hydro Ottawa power sub-station located at 113 Henderson, directly south of 109 Henderson