

Geotechnical
Engineering

Environmental
Engineering

Hydrogeology

Geological
Engineering

Materials Testing

Building Science

Archaeological
Services

patersongroup

Phase I Environmental Site Assessment

383 Slater Street, 388 - 400 Albert Street and
and 156 - 160 Lyon Street
Ottawa, Ontario

Prepared For

Main & Main Developments

Paterson Group Inc.

Consulting Engineers
154 Colonnade Road South
Ottawa (Nepean), Ontario
Canada K2E 7J5

Tel: (613) 226-7381
Fax: (613) 226-6344
www.patersongroup.ca

April 8, 2019

Report: PE4581-1

TABLE OF CONTENTS

EXECUTIVE SUMMARY.....	ii
1.0 INTRODUCTION.....	1
2.0 PHASE I PROPERTY INFORMATION.....	2
3.0 SCOPE OF INVESTIGATION	3
4.0 RECORDS REVIEW	4
4.1 General	4
4.2 Environmental Source Information	8
4.3 Physical Setting Sources.....	13
5.0 INTERVIEWS	15
6.0 SITE RECONNAISSANCE	15
6.1 General Requirements	15
6.2 Specific Observations at Phase I Property	15
7.0 REVIEW AND EVALUATION OF INFORMATION	19
7.1 Land Use History.....	19
7.2 Conceptual Site Model	21
8.0 CONCLUSIONS	23
9.0 STATEMENT OF LIMITATIONS	25
10.0 REFERENCES.....	26

List of Figures

Figure 1 - Key Plan
Figure 2 - Topographic Map
Drawing PE4581-1 - Site Plan
Drawing PE4581-2 - Surrounding Land Use Plan

List of Appendices

Appendix 1 Chain of Title
Plan of Survey
Aerial Photographs
Site Photographs

Appendix 2 MECP Freedom of Information Response
City of Ottawa HLUI Search Results
TSSA Correspondence
MECP Well Records

Appendix 3 Qualifications of Assessors

EXECUTIVE SUMMARY

Assessment

Paterson Group was retained by Main & Main Developments to conduct a Phase I Environmental Site Assessment (ESA) of the properties addressed 383 Slater Street, 388 and 400 Albert Street and 156-160 Lyon Street, in the City of Ottawa, Ontario. The purpose of this Phase I ESA was to research the past and current use of the site and study area and to identify any environmental concerns with the potential to have impacted the subject property.

The results of the historical research indicated that the subject property was developed prior to 1888 with residential dwellings. Portions of property were redeveloped for mixed-use purposes. The western and northern portions of the property were redeveloped with offices buildings. The southcentral portion of the property (367-369 Slater Street) was occupied by a welding shop and service garage from 1920s to 1960s/1970s. The northeastern portion of the property (156-160 Lyon Street) was occupied by a drycleaner from 1920s to 1970s. The presence of these former potentially contaminating activities (PCAs) were identified as areas of potential environmental concern (APECs) and assessed in previous Phase I & II ESAs conducted by Golder Associates (Golder) and Paterson in 2012 and 2016, respectively.

In 2012, Golder completed a Phase I ESA & Phase II ESA for the northeastern portion of the Phase I Property, 156-160 Lyon Street. Five (5) boreholes were drilled and completed as monitoring wells. Soil samples were retrieved and submitted for VOCs, PHCs (F1-F4) and metals. Several metals in soil (fill layer) exceeded the selected MECP standards. Groundwater was collected and submitted for PHCs (F1-F4) and VOCs. Groundwater results complied with the selected standards. Based on these findings, the presence of the former drycleaner had not impacted the subject site; however, the presence of metals in the fill material represents an APEC on the Phase I Property.

In 2016, Paterson completed a geotechnical investigation and a Phase I ESA & Phase II ESA for the southern and northcentral portions of the Phase I Property, 383-400 Albert Street. Several boreholes were drilled onsite, during which fill material of an unknown quality was encountered. The Phase I ESA identified two (2) historical on-site PCAs, a former automotive repair garage and welding shop on the southern-eastern portion of the property. The presence of fill material of an unknown quality and on-site historical PCAs represented APECs on the Phase I Property. Subsequently, a Phase II ESA was

conducted. Four (4) boreholes were drilled and completed as groundwater monitoring wells within the APEC footprint. Soil samples were recovered and submitted for PAHs, BTEX, PHCs and metals. Several soil results (fill layer) for lead and mercury were in exceedance of the selected MECP standards. Groundwater samples were collected and submitted for VOCs, PAHs, PHCs and metals. All groundwater samples were in compliance with the selected MECP standards. Based on the results, fill material on the southern and northeast portions of the site remains an APEC on the Phase I Property.

In July 2018, Paterson completed a Phase I ESA for 388 Albert Street. Based on the findings of the Phase I ESA, no environmental concerns were identified with the historical or current use of the property. Several environmental concerns were identified with the historical use of the neighbouring properties; however, based on environmental reports available for review for the adjacent properties, the former drycleaner was not considered to represent an environmental concern to the subject site. No other environmental concerns were identified with the historical use of surrounding properties.

Thirty-eight (38) off-site historical PCAs were identified within the Phase I Study Area. Based on their respective separation distances and/or orientations with respect to the subject property, none of these historical PCAs represented APECs on the Phase I Property.

Following the historical review, a site visit was conducted. The subject property is largely vacant with the exception of a two-storey building situated on the northcentral part of the property. The majority of the site serves as vehicular parking. Surrounding land use consisted of residential, commercial (retail and offices) and institutional properties. Based on the site inspection, there were no potential environmental concerns with the current use of the Phase I Property or properties within the Phase I Study Area.

Recommendation

Based on the results of this Phase I ESA, it is **our opinion that a Phase II Environmental Site Assessment is required for the property.**

1.0 INTRODUCTION

At the request of Main & Main Developments, Paterson Group (Paterson) conducted a Phase I Environmental Site Assessment (Phase I ESA) of the properties addressed 383 Slater Street, 388 and 400 Albert Street and 156-160 Lyon Street, in the City of Ottawa, Ontario. The purpose of this Phase I ESA was to research the past and current use of the site and study area and to identify any environmental concerns with the potential to have impacted the subject property.

Paterson was engaged to conduct this Phase I ESA by Mr. Rooie Ash of Main & Main. The office of Main & Main is located at 109 Atlantic Avenue, Suite 302B, Toronto, Ontario. Mr. Ash can be reached by telephone at (416) 530-2438.

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

This Phase I-ESA report has been prepared in general accordance with the requirements of Ontario Regulation 153/04, as amended, by O.Reg. 269/11, and also complies with the requirements of CSA Z768-01. The conclusions presented herein are based on information gathered from a limited historical review and field inspection program. The findings of the Phase I - ESA are based on a review of readily available geological, historical and regulatory information and a cursory review made at the time of the field assessment. The historical research relies on information supplied by others, such as, local, provincial and federal agencies and was limited within the scope-of-work, time and budget of the project herein.

2.0 PHASE I PROPERTY INFORMATION

Address: 383 Slater Street, 388 and 400 Albert Street and 156-160 Lyon Street, Ottawa, Ontario.

Legal Description: Plan 3922, West Part Lot 16; Lots 12, 13, 14, 15, 16, and Part of Lot 17 (North Slater Street) and Lots 14 and 15 (South Albert Street), Registered Plan 3922; Part of Lot 16 (East Albert Street); Part of Lot 17, Registered Plan 3922, City of Ottawa, Ontario.

Property Identification Number: 04114-0008; 04114-0011; 04114-0012; 04114-0010 and 04114-0009

Location: The subject site is bound by Bay Street to the West, Lyon Street to the East, Slater Street to the South, and Albert Street to the North. The subject site is shown on Figure 1 - Key Plan following the body of this report.

Latitude and Longitude: 45° 23' 04" N, 75° 44' 12" W.

Site Description:

Configuration: Irregular

Site Area: 1.05 hectares (approximate)

Zoning: R5A – Residential 5th Density

Current Use: The site is largely vacant with the exception of a two-storey vacant building. The site is currently used as a pay-parking lot.

Services: The subject site is located in a municipally serviced area.

3.0 SCOPE OF INVESTIGATION

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

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

4.0 RECORDS REVIEW

4.1 General

Phase I-ESA Study Area Determination

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

First Developed Use Determination

Based on the city directories, air photo research, fire insurance plans and chain of title, it is our interpretation that the subject property was first developed prior to 1888 for residential purposes. The property switched to mixed-use (commercial and residential) purposes in the mid-1920s.

Fire Insurance Plans

Fire Insurance Plans (FIPs), dated 1888 (revised 1901), 1902 (revised 1912), and 1956, were reviewed for the Phase I Property and Phase I Study Area.

Based on the 1901 and 1912 FIPs, the Phase I Property was occupied by several residential dwellings. The surrounding properties indicated in the FIPs were primarily residential and institutional. Six (6) potentially contaminating activities (PCAs) were identified within the study area. Four (4) machine shops and/or foundries, approximately 200 m northwest of the site, and a machine shop and automotive paint shop approximately 150 m east of the subject site. Based on the respective distances and orientation relative to the subject site, none of these off-site PCAs are considered to represent areas of potential environmental concern (APECs) to the subject site.

Based on the 1956 FIPs, the northern and southeastern portions of the subject property were occupied by residential dwellings. The southwestern portion of the property (367-369 Slater Street) was occupied by a commercial office building and associated parking garage. The central south part of the site was occupied by an automotive repair garage. The automotive repair garage is an on site PCA that would be considered an APEC on the Phase I Property; however, this APEC has been addressed in Paterson's 2016 Phase II ESA. The presence of the former automotive garage/repair shop onsite no longer represents an APEC on

the Phase I Property. More details are discussed in the Previous Engineering Reports section.

Four (4) additional off-site PCAs were identified in the 1956 FIPs, which included a former retail fuel outlet (RFO) and a former autobody repair shop, approximately 160 m northwest of the subject site; an automotive repair garage, approximately 45 m southwest of the site, and two (2) underground storage tanks (USTs), approximately 170 northeast of the subject site. These PCAs are not considered to represent APECs on the Phase I Property based on the extensive redevelopment of the downtown area with large underground parking structures, service trenches, and in many cases the separation distance and/or orientation with respect to the subject site.

Onsite and offsite PCAs identified in the FIPs review are shown on Drawing PE4581-2 Surrounding Land Use Plan.

City of Ottawa Street Directories

As part of the Phase I ESA, city directories at the National Archives were reviewed in approximate 10-year intervals from 1920 through 2011.

Several listing for the subject site were found in the directories. The first listings were in 1877 with various residences and apartment buildings until the 1960s, when the site became listed under commercial use. Three (3) on-site PCAs were identified from the directories review. A former tire/repair shop (Lodi Super-Treads) and an automotive repair garage Precision hydraulics and Laurier Motors and Prevost Cleaners, as shown in Table 1.

Table 1. City Directories Review Onsite Potential Contaminating Activities		
Address	Listed Activity (years listed)	Location Onsite
367 Slater Street	Ottawa Lodi Super-Treads (1960 - 1971)	South central
369 Slater Street	Precision Hydraulics (1960) Laurier Motors (1971)	South central
156-160 Lyon Street	Prevost Cleaners (formerly 380 Albert Street)	Northeast

Three (3) onsite PCAs were identified as APECs in the previous Phase I ESAs and addressed in the 2012 and 2016 Phase II ESAs conducted by Golder and Paterson, respectively. Based on the findings of the Phase II ESA reports, there were no impacts resulting from the former garage and drycleaner. Therefore, it is our opinion that these PCAs no longer represent APECs on the Phase I Property. More details are discussed in the Previous Engineering Reports section.

Based on the city directories review, neighbouring properties within the Phase I Study Area were used primarily for residential and commercial purposes, with several institutional or commercial properties. Several PCAs were identified in the study area, however based on the separation distance, orientation and/or extensive redevelopment of the Phase I Study Area, these PCAs are not considered to represent APECs on the Phase I Property. PCAs identified in the city directories review are shown on Drawing PE4581-2 Surrounding Land Use Plan.

Chain of Title

Paterson verified the current land title for the subject properties with Read Abstracts Limited.

According to the chain of title dated September 6, 2016, Plan 3922, covers Part of Lot 17 of Slater Street (North) and Lots 14 and 15 of Albert Street (South) properties was registered by Sparks and Slater et al. in March of 1869. The properties were then owned by a series of private individuals until approximately 1955 when commercial interests started buying portions of the site. The current owner of the subject site is listed as 2507701 Ontario Inc.

One (1) PCA was identified during a review of the chain of title. Plan 3922, Lot 16 North Slater was leased by Ottawa Lodi Super-Treads in 1965. Ottawa Lodi Super-Treads subsequently bought the property in July 1969 before selling in April of 1970 to the Civil Service Co-operative Credit Society Limited. This owner is considered to be the operator of the garage and tire storage identified in the 1956 FIPs and the directories located at 367-369 Slater Street. The use of part of the subject site as Ottawa Lodi Super-Treads is considered a PCA on the subject site; however, not an APEC, since it has been previously investigated. No other PCAs were identified during a review of the chain of title.

Previous Engineering Reports

Golder Associates (Golder) completed a Phase I & II ESA for 156-160 Lyon Street in January 2012. Based on the historical on-site (former drycleaner) and surrounding land use, several APECs were identified. Subsequently, a Phase II ESA was conducted to address the APECs. Five (5) boreholes were drilled and completed as monitoring wells. Soil and groundwater samples were retrieved and submitted for analysis. Several metal parameters (lead, mercury, zinc and antimony) in the fill material were in exceedance of the selected MECP standards. Groundwater results were in exceedance of PHC fractions F3 and F4, although it was suspected that sediment in the groundwater has affected the results. To confirm the latter results, additional groundwater samples were submitted for analysis. PHC concentrations were not detected. The results were in compliance with the selected MECP standards. The elevated PHC concentrations were likely caused by sediment in the original groundwater samples. Based on the findings of the Phase II ESA, the former drycleaner is no longer considered an APEC; however, the impacted fill material represents an APEC on the Phase I Property.

In December of 2016, Paterson completed a geotechnical investigation (Report: PG3543-1) for the properties address 383 Slater Street and 400 Albert Street. Several boreholes were drilled to provide general coverage of the subject site, while taking into consideration existing features and services. Fill and construction debris, including brick, mortar, and concrete, were identified in several of the boreholes during the field program. The unknown quality of the fill material from these boreholes represented an APEC on the site.

In December 2016, Paterson completed a Phase I ESA (Report: PE3774-1) for the properties at 383 Slater Street and 400 Albert Street. Based on the findings of the Phase I ESA, several historical on-site and off-site PCAs were identified. A former garage and welding shop were identified on the southern-central portion of the property. Both onsite PCAs were considered at that time to represent APECs on the property. Additionally, the former drycleaner on 156-160 Lyon was considered to represent an APEC on the Phase I Property.

A Phase II ESA (Report: PE3774-2) was subsequently completed at the site to address the historical APECs as well as fill material of unknown quality identified during the geotechnical investigation. Four (4) boreholes were drilled and completed as monitoring wells. Soil samples were recovered and submitted for PAHs, BTEX, PHCs and metals analysis. Soil results (fill material) for lead and mercury were in exceedance of the selected MECP standards. Groundwater

samples were collected and submitted for VOCs, PAHs, BTEX and PHCs. All groundwater samples were in compliance of the selected MECP standards. Based on the analytical results, the historical PCAs had not impacted the site, however, the impacted fill material represents an APEC on the Phase I Property.

In July of 2018, Paterson completed a Phase I ESA (Report: PE4364-1) for 388 Albert Street. Based on the Phase I ESA, no environmental concerns were identified with the historical or current use of the site. Several off-site PCAs were identified, albeit, based on previous environmental investigations, these former PCAs located on the adjacent properties to the east and south of 388 Albert Street were not considered to have had impacted the property at that time.

Plan of Survey

A plan of survey, prepared by Annis, O'Sullivan, Vollebekk Ltd. and dated April 1, 2014, was reviewed as part of this assessment. The survey shows the former bank as present on the north and west portions of the subject site. A copy of the plan is provided in Appendix I.

4.2 Environmental Source Information

Environment Canada

A search of the National Pollutant Release Inventory (NPRI) was conducted electronically on March 27, 2019. The Phase I Property was not listed in the NPRI database. No records of pollutant release were listed in the database for properties located within the Phase I Study Area.

PCB Inventory

A search of national PCB waste storage sites was conducted. One PCB site is located within the Phase I ESA Study Area. This site is located in the Place de Ville building complex which covers 2 city blocks approximately 50m to the northeast of the subject site. Based on the information contained in the PCB inventory and the nature of the building, the PCB storage site located in the Place de Ville complex is not considered to represent an area of potential environmental concern to the subject site.

Areas of Natural Significance (ANSIs)

A search for areas of natural significance and features within the Phase I Study Area was conducted on the web site of the Ontario Ministry of Natural Resources (MNR) on March 27, 2019. The search did not reveal any natural features or ANSIs within the Phase I study area.

Ministry of Environment, Conservation and Parks (MECP) Instruments

A request was submitted to the MECP Freedom of Information (FOI) office for information with respect to certificates of approval, permits to take water, certificates of property use or any other similar MECP issued instruments for the Phase I Property. At the time of issuing this report, a response had not been received from the MECP. A copy of the response will be forwarded to the client if it contains any pertinent information.

MECP Coal Gasification Plant Inventory

The Ontario Ministry of Environment document titled "Municipal Coal Gasification Plant Site Inventory, 1991" was reviewed to reference the locations of former plants with respect to the site. No coal gasification plants were identified within the study area.

MECP Incident Reports

A request was submitted to the MECP FOI office for information with respect to records concerning environmental incidents, orders, offences, spills, discharges of contaminants or inspections maintained by the MECP for the site or adjacent properties. At the time of issuing this report, a response had not been received from the MECP. A copy of the response will be forwarded to the client if it contains any pertinent information.

MECP Waste Management Records

A request was submitted to the MECP FOI office for information with respect to waste management records. Applicable information of current and historical waste storage locations, waste generators and waste receivers pursuant to Ontario Regulation 347 was considered in this review. At the time of issuing this report, a response had not been received from the MECP. A copy of the response will be forwarded to the client if it contains any pertinent information.

MECP Submissions

A request was submitted to the MECP Freedom of Information office for information with respect to reports related to environmental conditions that have been submitted to the MECP. At the time of issuing this report, a response had not been received from the MECP. A copy of the response will be forwarded to the client if it contains any pertinent information.

MECP Brownfields Environmental Site Registry

A search of the MECP Brownfields Environmental Site Registry was conducted as part of this assessment for the site, neighbouring properties and the general area of the site. No Records of Site Condition (RSCs) have been filed for the Phase I Property. One (1) RSC was identified in the Phase I ESA Study Area. The RSC is filed for 178 Kent Street, approximately 220 m to the east of the subject site. The property has now been developed with a multi-storey residential building with an underground parking structure. No concerns were identified during a review of the RSC filing and the current use of the subject site.

MECP Waste Disposal Site Inventory

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

Technical Standards and Safety Authority (TSSA)

The TSSA, Fuels Safety Branch in Toronto was contacted electronically on March 28, 2019 to inquire about current and former underground storage tanks, spills and incidents for the site and neighbouring properties. No records are listed in the TSSA registry for the Phase I Property or for the immediately adjacent and neighbouring properties within the Phase I Study Area. A copy of the TSSA correspondence has been included in Appendix 2.

City of Ottawa Landfill Document

The document entitled "Old Landfill Management Strategy, Phase I – Identification of Sites, City of Ottawa", was reviewed. Based on this document, there are no former landfills within the Phase I Study Area.

Former Industrial Sites

The report entitled “Mapping and Assessment of Former Industrial Sites, City of Ottawa” was also reviewed. The Phase I Property was not listed in the database of former industrial sites. Fourteen (14) former industrial sites identified within the Phase I Study Area are shown in Table 2.

Table 2. Former Industrial Sites			
Site No. Listed Activity	Address	Approximate Distance / Orientation from site	Potentially Environmental Concern (Y/N)
#83 - Boilermakers	478-482 Laurier Avenue West	110m South	N
#88 - Machine Shop	399 Laurier Avenue	188m Southeast	N
#89 - Car Manufacturing	311 Slater Street	200m West	N
#90 - Brass Foundry	422-426 Slater Street	90m West	N
#91 - Cleaners and Dyers	200 Bay Street	50m Southwest	N
#97 - Railway and Car Sheds	Between Kent Street and Lyon Street	120m Northeast	N
#98 - Metals Manufacturing	344 Queen Street	120m North	N
#99 - Foundry	305-307 Sparks Street	200m North	N
#101 – Commercial printer, lithographer and engraver	259-261 Sparks Street	230 m North	N
#102 – Ink printers and chemical products	264 Sparks Street	245 m North	N
#103 - Steam Dye Works	260 Sparks Street	250 m North	N
#123 - Furrier	320 Wellington Street	250 m North	N
#124 - Brass Foundry	376 Wellington Street	250 m North	N
#125 - Wire works	346 Wellington Street	250 m North	N

Based on the information contained in the industrial sites database, the separation distance from the subject site and the extensive redevelopment of the area none of the former industrial sites are considered to represent an area of potential environmental concern to the subject site. The locations of these PCAs are shown on Drawing PE4581-2 Surrounding Land Use Plan.

City of Ottawa Historical Land Use Inventory (HLUI)

A search of the City of Ottawa's Historical Land Use Inventory (HLUI) database was conducted as part of this assessment. The HLUI search identified four (4) activities associated with the Phase I Property, as well as fifty-four (54) activities associated with properties within the Phase I Study Area. These four (4) onsite PCAs are shown in Table 3.

Table 3. City of Ottawa Historical Land Use Inventory (HLUI) Search Results		
Address	Listed Activity (years listed)	Location Onsite
367 Slater Street	Precision Hydraulics (1960-1980)	Onsite – Southeast quadrant
367 Slater Street	E.W. Perkins Welding (1920-1964)	Onsite – Southcentral area
369 Slater Street	Laurier Motors (1920-1970)	Onsite – Southcentral area
156-160 Lyon Street (380 Albert Street)	Prevost Cleaners (1900-1950)	Onsite – Northeast quadrant
Notes: 1 – The HLUI report identifies the property at 367 Slater as 2 separate activities on the subject site.		

As identified in the previous section, these PCAs were identified as APECs and were formerly addressed in the Phase II ESAs conducted by Golder (2012) and Paterson (2016). Therefore, it is our opinion that these former PCAs no longer represent APECs on the Phase I Property. More details are discussed in the Previous Engineering Reports section.

Several offsite PCAs that were identified in the HLUI search have already been identified and/or addressed in either the FIPs or city directories review sections of this report.

It should be noted that civic addresses have changed over the years and those listed above may not currently exist. The respective distances of the above noted activities from the Phase I Property were determined using FIPs and the City of Ottawa electronic mapping website.

4.3 Physical Setting Sources

Aerial Photographs

Historical air photos from the National Air Photo Library were reviewed in approximate ten (10) year intervals. The review period dates back to the first available air photos for the site. Based on the review, the following observations have been made:

- | | |
|------|--|
| 1928 | The Phase I Property appears to be used for residential purposes. The area surrounding the subject site has been entirely developed with residential, commercial, or industrial uses. Large warehouse type buildings are visible to the east of the subject site. |
| 1950 | No significant changes appear to have been made to the subject site or neighbouring properties. |
| 1969 | The subject site has been redeveloped with a commercial office building on the southwestern and north-central portions of the property. The eastern portion remains occupied by small standalone buildings. Redevelopment has taken place throughout the Phase I Study Area during this time. |
| 1978 | The western part of the subject site remains the same. The eastern part of the site is now predominantly a parking lot, with a building remaining in the southeast corner of the property. Additional development has continued throughout the study area, with several residential and office towers being constructed. |
| 1986 | No significant changes have been made to the subject site. The Phase I ESA Study area continues to be redeveloped with residential and office towers. |
| 1993 | The western portion of the subject site remains unchanged. The building that occupied the southeast corner is no longer present at this time. Development in the study area has slowed. |
| 2011 | No significant changes have been made to the subject site or surrounding properties. |
| 2017 | The building on the northcentral and southcentral parts of the site are not present at this time. The site is largely vacant and used as a parking lot, with the exception of one small building on the central |

north part of the property. The neighbouring lands appear unchanged from the previous photograph.

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

Topographic Maps

Topographic maps were obtained from Natural Resources Canada – The Atlas of Canada website and from the City of Ottawa website. The topographic maps indicate that the local topography in the immediate vicinity of the site slopes gently downward to the south, while the regional topography generally slopes down to the northwest, toward the Ottawa River.

According to the maps, the nearest water body is the Ottawa River, located approximately 475 m to the northwest of the Phase I Property. An illustration of the referenced topographic map is presented on Figure 2 – Topographic Map, appended to this report

Physiographic Maps

A Physiographic Map was reviewed from the Natural Resources Canada – The Atlas of Canada website. According to this physiographic map, the site is located in the St. Lawrence Lowlands. According to the mapping description provided: “The lowlands are plain-like areas that were all affected by the Pleistocene glaciations and are therefore covered by surficial deposits and other features associated with the ice sheets.” The subject site is located in the Central St. Lawrence Lowland, which is generally less than 150 m above sea level.

Geological Maps

The Geological Survey of Canada website on the Urban Geology of the National Capital Area was consulted as part of this assessment. Based on this information, bedrock in the area of the site consists of interbedded limestone and dolomite of the Gull River Formation. Overburden is reported to consist of Glacial Till of depths ranging from 0-5 m.

Water Bodies and Areas of Natural Significance

No water bodies are present within the Phase I study area. The Ottawa River is the closest significant water body and is present approximately 475m northwest of the Phase I Property. No areas of natural significance are known to exist within the Phase I Study Area.

Water Well Records

Well records for all drilled wells within the Phase I Study Area were obtained from the MECP website. Based on the results of the well records search, there are no well records for the Phase I Property. A total of 20 well records were obtained for properties within 250 m of the subject land. Of these well records, seventeen (17) records were for abandoned wells and three (3) records for monitoring wells. All records were identified in the north and east, approximately 85 m or more away from the subject site. Based on a review of the well records, none of these monitoring wells poses a significant environmental concern to the subject site.

5.0 INTERVIEWS

Property Owner Representative

Several interviews were conducted as part of former Phase I ESAs conducted for 156-160 Lyon Street (in 2012), 383 Slater Street and 400 Albert Street (in 2016), and for 388 Albert Street (in 2018) regarding the subject properties. None of the interviews revealed any potential environmental concerns at time of these assessment.

6.0 SITE RECONNAISSANCE

6.1 General Requirements

A representative from the Environmental Department of Paterson Group conducted a site visit on March 18, 2019. Weather conditions were overcast with a temperature of approximately 1°C. At the time of the site visit, the neighbouring properties within the Phase I study area were also observed from publicly accessible areas.

6.2 Specific Observations at Phase I Property

Site Features

The Phase I Property is largely vacant with the exception of a two-storey building, situated on the northcentral part of the property. The surface of the site is covered in mostly asphalt and/or concrete with some gravel and is currently used for vehicular parking. The site appears to be at grade with the adjacent streets and sloped down from Albert Street to Slater Street.

Site drainage occurs through sheet flow to catch basins along the adjacent streets. The regional topography slopes downwards in a northerly direction towards the Ottawa River.

No evidence of current or former railway or spur lines was observed on the exterior of the subject property at the time of the site visit. There were no unidentified substances observed on the exterior of the Phase I Property at the time of the site visit.

The Phase I Study Area is serviced with municipal water. There were no potable wells observed on the Phase I Property or on other properties within the Phase I study area, at the time of the site visit. Several monitoring wells from previous environmental investigations were identified on the Phase I Property and are shown on Drawing PE4581-1 - Site Plan.

Buildings and Structures

A two-storey building occupies the northcentral part of the property. Based on the aerial photos the current building was constructed pre-1920s. The exterior of the building is finished in red brick with a sloped styled shingle roof. An addition appears to have been constructed at the front of the building, fronting onto Albert Street, however no information regarding the date of construction was made available.

Remnants of the former foundation walls were located on the northwest portion of the site. No other structures were present on the Phase I Property at the time of the site visit.

Fill Material

Fill material was identified in the southern portion of the property, during the geotechnical field program carried out by Paterson in December 2016. The fill material included construction debris consisting of silty sand with brick, mortar, and concrete. The quality of the fill material on the southwest part of the site is unknown; therefore, representing an APEC on the property. The fill material in the southcentral, southeastern and northeast quadrant of the property is contaminated, therefore, also representing an APEC on the Phase I Property. The APEC boundary is outlined in red on Drawing PE4581-1 – Site Plan.

Underground Utilities

Catch basins are located within the subject site boundaries. Any utilities shown on the survey plan relating to the former building are expected to have been decommissioned and are no longer in place.

Interior

An interior inspection of the building located at 388 Albert Street was conducted as part of the Phase I ESA.

A general description of the interior of the building is as follows:

- ☐ The floors consisted of concrete, ceramic and vinyl tile, hardwood and laminate;
- ☐ Wall materials consisted of drywall, plaster and lathe, concrete and stone;
- ☐ The ceilings consisted of drywall, plaster and lathe;
- ☐ Lighting throughout the building was provided by incandescent and fluorescent fixtures.

The building is heated by a natural gas furnace in the basement area. No air conditioning units were observed at the time of the assessment. Insulation, where observed, consisted of fibreglass.

Hazardous Building Materials

A designated substance survey (DSS) was conducted by Paterson for the subject building at 388 Albert Street in March 2019. Asbestos containing materials (ACMs) and lead paint were identified at the subject building. Reference should be made the 2019 DSS Report (PE4582-LET.02) for additional details.

Other Potential Environmental Concerns

No signs indicating the presence of an above ground storage tank (AST) were observed on the interior of the building. Based on the age of the building, it would have likely been heated previously with coal and fuel oil. However, due to several upgrades of the building, there was no visual evidence of an AST or UST on the property.

Floor drains were noted in the kitchen and basement. No water was noted at the time of the site assessment. There were no unusual odour or stains in the basement at the time of our assessment.

There was no waste or chemicals stored onsite at the time of the site visit. No mould growth was observed on the surfaces (walls and ceilings) of the structure.

Neighbouring Properties

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

- ☐ North – Albert Street followed by a parking lot and Restaurant;
- ☐ South – Slater Street followed by Residential and institutional (Appletree Medical);
- ☐ East – Lyon Street followed by Constitutional Square;
- ☐ West – Residential apartment buildings and Bay Street followed by an institutional building (Ottawa-Carleton District School Board).

There are no existing PCAs considered to be present on the adjacent properties.

Land use within the Phase I Study Area (250 m radius) is primarily used for residential and commercial purposes with some institutional land use. No existing off-site PCAs were identified at the time of the site visit. Surrounding land use is shown on Drawing PE4581-2 – Surrounding Land Use Plan.

7.0 REVIEW AND EVALUATION OF INFORMATION

7.1 Land Use History

The following table outlines the general ownership and land use dating back to the first developed use of the Phase I Property.

Table 4. Land Use History – 383 Slater Street and 400 Albert Street				
Year	Name of Owner	Description of Property Use	Property Use	Other Observations from Aerial Photos, FIPs, etc.
Plan 3922 registered March 24, 1869 to Sparks & Slater, et al.				
1869 - 1958	Sold in parcels to various individuals	Residential and commercial (welding shop, 369 Slater Street, circa 1920)	Residential followed by Residential, Commercial, and institutional	1928 and 1950 aerial photos show the property as developed with small buildings. 1912 FIPs show the property developed with single family and residential rowhouse complexes. 1956 FIPs show the property as occupied by commercial and institutional properties.
1958 - 1971	Owned by various corporations and individuals	Residential and Commercial	Residential and Commercial	1969 aerial photo shows the west and north portions of the property occupied by an office building, with the east portion occupied by smaller commercial and residential buildings
1971-2016	Owned by various corporations	Commercial	Commercial	1978 and 1986 aerial photos show office building present with one small building present in southeast corner. 1993 and 1999 aerial photos show the property as an office building and parking area.
2016-present	Owned by various corporations	Commercial	Commercial	Banking building has been demolished and the site is currently a parking lot.

Potentially Contaminating Activities and Areas of Potential Environmental Concern

As per the previous Phase I ESA reports (Golder, 2012 and Paterson, 2016) three (3) onsite potentially contaminating activities (PCAs) were considered to result in areas of potential environmental concern (APECs) on the Phase I Property. These APECs were identified as an automotive garage/welding shop, a former drycleaner, and presence of fill material of an unknown quality. A 2012 and a 2016 Phase II ESA were conducted to address these former APECs on 156-160 Lyon Street and 400 Albert Street, respectively.

Based on the findings of the Phase II ESAs, there were no impacts/contaminants identified onsite related to the former automotive garage and drycleaner. Therefore, these former PCAs no longer represent APECs on the current Phase I Property. Several metal parameters, however, were detected in the fill material and exceeded the selected MECP standards. Therefore, the impacted fill material onsite is considered to represent an APEC on the Phase I Property, as shown in Table 5.

Table 5. Areas of Potential Environmental Concern				
Area of Potential Environmental Concern and location	Potentially Contaminating Activity, as per Table 2 of O.Reg 153/04, as amended by, O.Reg 269/11	Location of APEC	Contaminants of Potential Concern	Media Potentially Impacted (Groundwater, Soil, and/or Sediment)
APEC 1: Fill Material located throughout the southern and northeast portions of the site	Item 30, "Importation of Fill Material of Unknown Quality"	On Site	Metals	Soil

Additional historical PCAs identified within the Phase I Study Area were not considered to represent APECs on the Phase I Property based on their respective separation distances and/or their inferred down-gradient or cross-gradient orientations with respect to the Phase I Property. These PCAs are shown in green on Drawing PE4581-2 – Surrounding Land Use Plan.

Contaminants of Potential Concern (CPCs)

The Contaminants of Potential Concern (CPCs) present on the Phase I Property are metals (including chromium 6 and mercury).

7.2 Conceptual Site Model

Geological and Hydrogeological Setting

The Geological Survey of Canada website on the Urban Geology of the National Capital Area was consulted as part of this assessment. Based on this information, bedrock in the area of the site consists of interbedded limestone and dolomite of the Gull River Formation. Overburden is reported to consist of Glacial Till of depths ranging from 0-5m.

Based on the findings of the Geotechnical investigation conducted by Paterson, overburden generally consists of fill material in former building locations with a thin layer of glacial till near the bedrock surface. Bedrock ranges in depth from approximately 3-5 m below grade.

The regional topography slopes down to the north, however the topography in the immediate vicinity of the Phase I Property slopes down to the south. The local groundwater flow beneath the Phase I Property is inferred to be in a northerly direction.

Contaminants of Potential Concern

The CPCs for the Phase I Property include metals in the fill material.

Existing Buildings and Structures

The Phase I Property is occupied by a uninhabited/vacant two (2) storey building that was constructed pre-1920 with a stone and mortar foundation, finished in red brick and a sloped style shingle roof. The building was used as a restaurant since the mid 1990s. Retaining walls are present on the northwest corner of the property are present.

Water Bodies and Areas of Natural Significance

There are no water bodies or areas of natural significance on the Phase I Property or within the Phase I study area. The closest water body is the Ottawa River, located approximately 500 m to the north.

Drinking Water Wells

No drinking water wells are located on the Phase I Property or within the Phase I study area.

Groundwater Monitoring Wells

Five (5) groundwater monitoring wells were observed on the Phase I Property.

Well records for all drilled wells within the Phase I Study Area were obtained from the MECP website. Based on the results of the well records search, there are no well records for the Phase I Property. A total of twenty (20) well records were obtained for properties within the study area. Seventeen (17) records were for abandoned wells and three (3) records for monitoring wells.

Neighbouring Land Use

Neighbouring land use in the Phase I Study Area consists of residential, commercial and institutional. Land use is shown on Drawing PE4581-2- Surrounding Land Use Plan.

Potentially Contaminating Activities and Areas of Potential Environmental Concern

As per Table 5 in Section 7.1, one onsite PCA representing an APEC on the subject site was identified as:

- ☐ Fill material in select areas of the Phase I Property.

Additional historical PCAs were identified within the Phase I Study Area, however these activities were not considered to represent APECs on the Phase I Property based on their respective separation distances and/or orientations with respect to the Phase I Property.

Assessment of Uncertainty and/or Absence of Information

The information available for review as part of the preparation of this Phase I ESA is considered to be sufficient to conclude that there are areas of potential environmental concern on the subject site resulting from historical uses of the subject properties. The presence of potentially contaminating activities was confirmed by a variety of independent sources. The conclusions of this report are not affected by uncertainty which may be present with respect to the individual sources.

8.0 CONCLUSIONS

Assessment

Paterson Group was retained by Main & Main Developments to conduct a Phase I Environmental Site Assessment (ESA) of the properties addressed 383 Slater Street, 388 and 400 Albert Street and 156-160 Lyon Street, in the City of Ottawa, Ontario. The purpose of this Phase I ESA was to research the past and current use of the site and study area and to identify any environmental concerns with the potential to have impacted the subject property.

The results of the historical research indicated that the subject property was developed prior to 1888 with residential dwellings. Portions of property were redeveloped for mixed-use purposes. The western and northern portions of the property were redeveloped with offices buildings. The southcentral portion of the property (367-369 Slater Street) was occupied by a welding shop and service garage from 1920s to 1960s/1970s. The northeastern portion of the property (156-160 Lyon Street) was occupied by a drycleaner from 1920s to 1970s. The presence of these former potentially contaminating activities (PCAs) were identified as areas of potential environmental concern (APECs) and assessed in previous Phase I & II ESAs conducted by Golder Associates (Golder) and Paterson in 2012 and 2016, respectively.

In 2012, Golder completed a Phase I ESA & Phase II ESA for the northeastern portion of the Phase I Property, 156-160 Lyon Street. Five (5) boreholes were drilled and completed as monitoring wells. Soil samples were retrieved and submitted for VOCs, PHCs (F1-F4) and metals. Several metals in soil (fill layer) exceeded the selected MECP standards. Groundwater was collected and submitted for PHCs (F1-F4) and VOCs. Groundwater results complied with the selected standards. Based on these findings, the presence of the former drycleaner had not impacted the subject site; however, the presence of metals in the fill material represents an APEC on the Phase I Property.

In 2016, Paterson completed a geotechnical investigation and a Phase I ESA & Phase II ESA for the southern and northcentral portions of the Phase I Property, 383-400 Albert Street. Several boreholes were drilled onsite, during which fill material of an unknown quality was encountered. The Phase I ESA identified two (2) historical on-site PCAs, a former automotive repair garage and welding shop on the southern-eastern portion of the property. The presence of fill material of

an unknown quality and on-site historical PCAs represented APECs on the Phase I Property. Subsequently, a Phase II ESA was conducted. Four (4) boreholes were drilled and completed as groundwater monitoring wells within the APEC footprint. Soil samples were recovered and submitted for PAHs, BTEX, PHCs and metals. Several soil results (fill layer) for lead and mercury were in exceedance of the selected MECP standards. Groundwater samples were collected and submitted for VOCs, PAHs, PHCs and metals. All groundwater samples were in compliance with the selected MECP standards. Based on the results, fill material on the southern and northeast portions of the site remains an APEC on the Phase I Property.

In July 2018, Paterson completed a Phase I ESA for 388 Albert Street. Based on the findings of the Phase I ESA, no environmental concerns were identified with the historical or current use of the property. Several environmental concerns were identified with the historical use of the neighbouring properties; however, based on environmental reports available for review for the adjacent properties, the former drycleaner was not considered to represent an environmental concern to the subject site. No other environmental concerns were identified with the historical use of surrounding properties.

Thirty-eight (38) off-site historical PCAs were identified within the Phase I Study Area. Based on their respective separation distances and/or orientations with respect to the subject property, none of these historical PCAs represented APECs on the Phase I Property.

Following the historical review, a site visit was conducted. The subject property is largely vacant with the exception of a two-storey building situated on the northcentral part of the property. The majority of the site serves as vehicular parking. Surrounding land use consisted of residential, commercial (retail and offices) and institutional properties. Based on the site inspection, there were no potential environmental concerns with the current use of the Phase I Property or properties within the Phase I Study Area.

Recommendation

Based on the results of this Phase I ESA, it is **our opinion that a Phase II Environmental Site Assessment is required for the property.**

9.0 STATEMENT OF LIMITATIONS

This Phase I Environmental Site Assessment report has been prepared in general accordance with O.Reg. 153/04, as amended, by O.Reg. 269/11, and meets the requirements of CSA Z768-01. The conclusions presented herein are based on information gathered from a limited historical review and field inspection program. The findings of the Phase I - ESA are based on a review of readily available geological, historical and regulatory information and a cursory review made at the time of the field assessment. The historical research relies on information supplied by others, such as, local, provincial and federal agencies and was limited within the scope-of-work, time and budget of the project herein.

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

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

Paterson Group Inc.



Mandy Witteman, M.A.Sc



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



Report Distribution:

- ☐ Main & Main (6 copies)
- ☐ Paterson Group (1 copy)

10.0 REFERENCES

Federal Records

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

Provincial Records

MECP Freedom of Information and Privacy Office.
MECP Municipal Coal Gasification Plant Site Inventory, 1991.
MECP document titled “Waste Disposal Site Inventory in Ontario”.
MECP Brownfields Environmental Site Registry.
Office of Technical Standards and Safety Authority, Fuels Safety Branch.
MNR Areas of Natural Significance.
MECP Water Well Inventory.

Municipal Records

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

Local Information Sources

Chain of Title obtained through Read Abstracts Limited, October 17, 2016.
Topographical Plan, prepared by Annis, O’Sullivan, Vollebekk Ltd., January 21, 2016.
Personal Interviews.
Previous Engineering Reports.

Public Information Sources

Google Earth.
Google Maps/Street View.

FIGURES

FIGURE 1 – KEY PLAN

FIGURE 2 – TOPOGRAPHIC MAP

DRAWING PE4581-1 – SITE PLAN

DRAWING PE4581-2 – SURROUNDING LAND USE PLAN

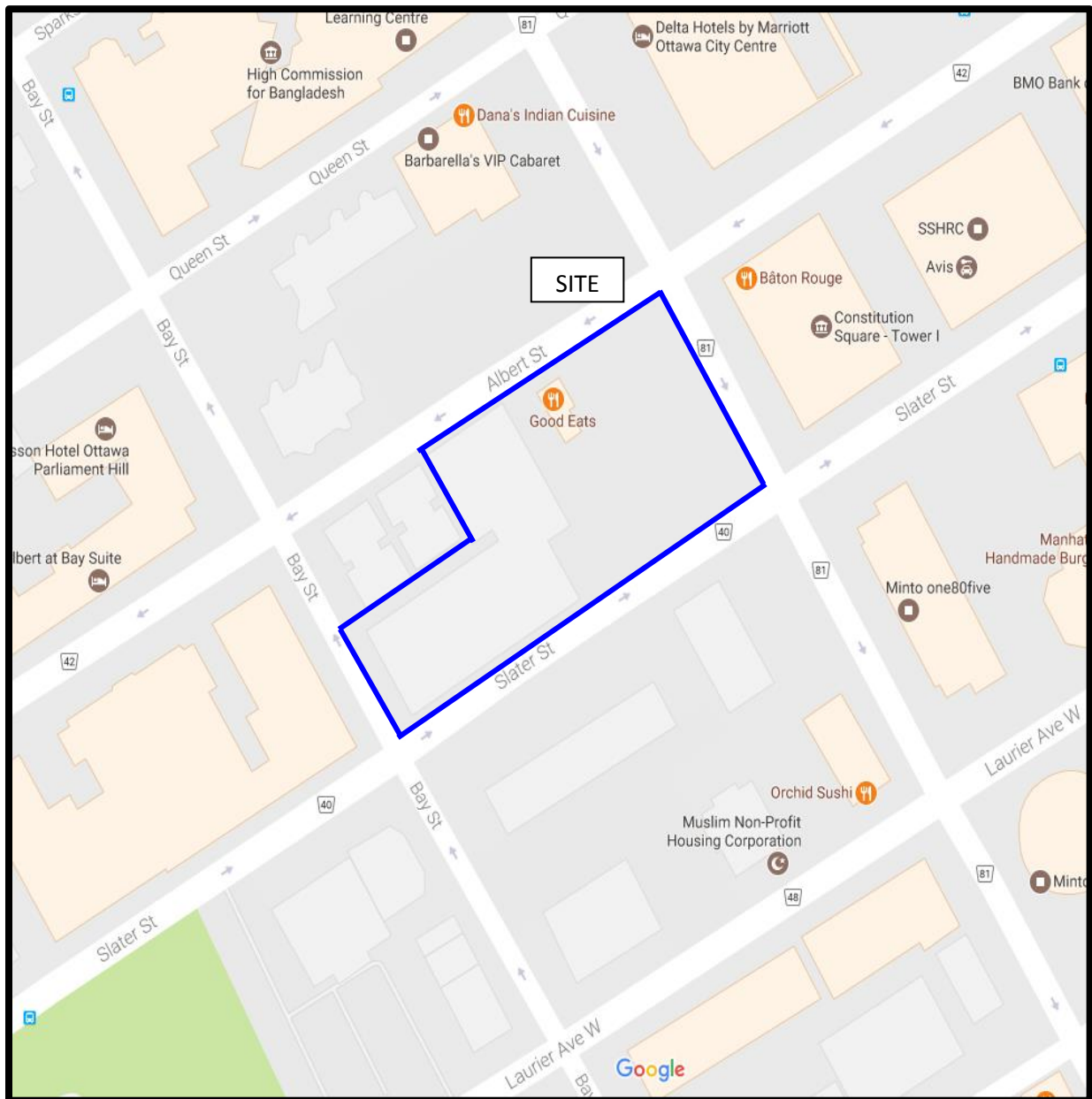


FIGURE 1
KEY PLAN

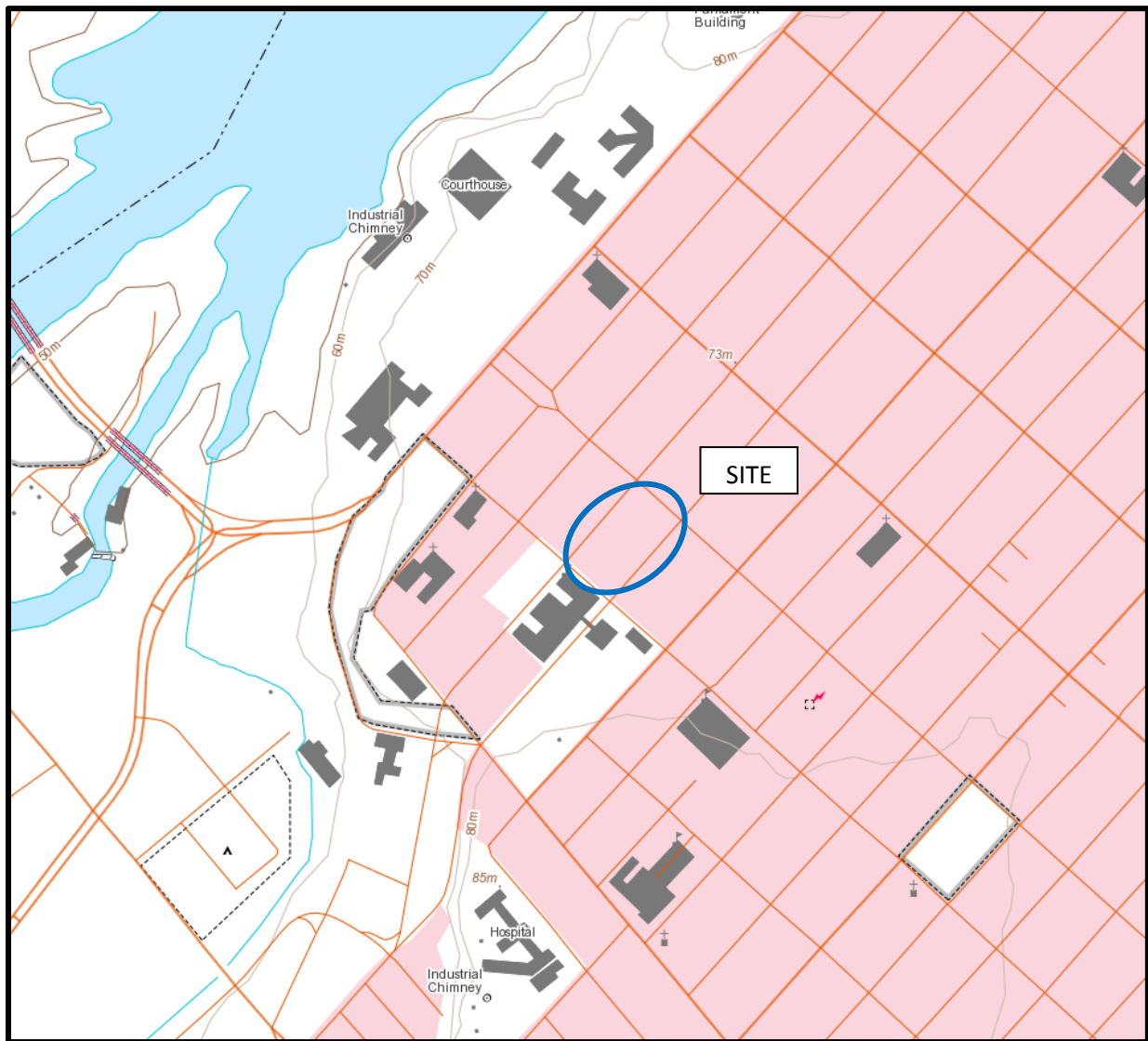
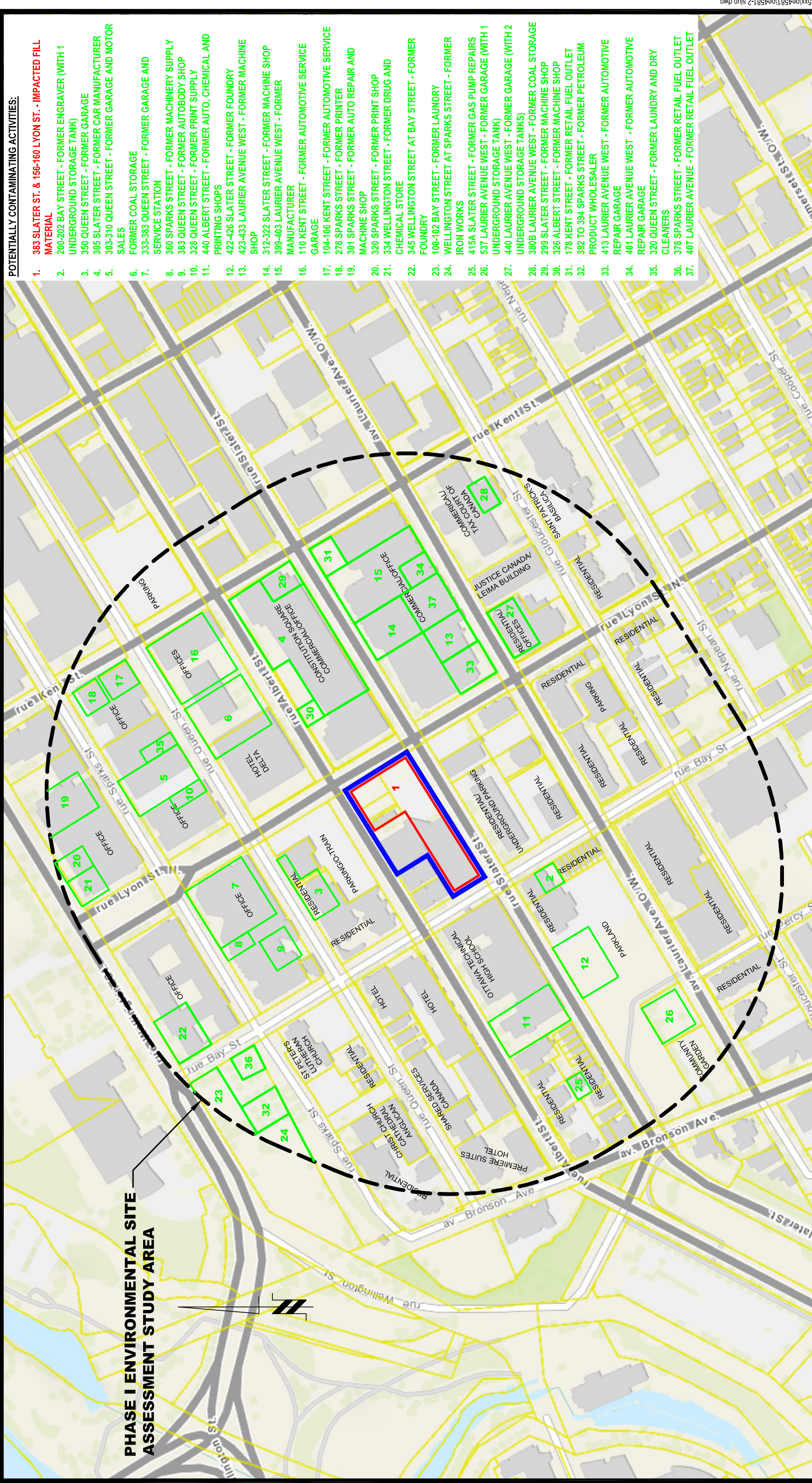


FIGURE 2
TOPOGRAPHIC MAP



1.	333 SLATER ST. & 156-160 LYON ST. - IMPACTED FILL MATERIAL
2.	200-202 BAY STREET - FORMER ENGRAVER (WITH 1 UNDERGROUND STORAGE TANK)
3.	350 QUEEN STREET - FORMER GARAGE
4.	305 SLATER STREET - FORMER CAR MANUFACTURER
5.	303-310 QUEEN STREET - FORMER GARAGE AND MOTOR SALES
6.	FORMER COAL STORAGE
7.	333-383 QUEEN STREET - FORMER GARAGE AND SERVICE STATION
8.	360 SPARKS STREET - FORMER MACHINERY SUPPLY
9.	383 QUEEN STREET - FORMER AUTOBODY SHOP
10.	328 QUEEN STREET - FORMER PRINT SUPPLY
11.	440 ALBERT STREET - FORMER AUTO, CHEMICAL AND PRINTING SHOPS
12.	422-426 SLATER STREET - FORMER FOUNDRY
13.	423-433 LAURIER AVENUE WEST - FORMER MACHINE SHOP
14.	312-322 SLATER STREET - FORMER MACHINE SHOP
15.	399-403 LAURIER AVENUE WEST - FORMER MANUFACTURER
16.	110 KENT STREET - FORMER AUTOMOTIVE SERVICE GARAGE
17.	104-106 KENT STREET - FORMER AUTOMOTIVE SERVICE
18.	278 SPARKS STREET - FORMER PRINTER
19.	301 SPARKS STREET - FORMER AUTO REPAIR AND MACHINE SHOP
20.	320 SPARKS STREET - FORMER PRINT SHOP
21.	334 WELLINGTON STREET - FORMER DRUG AND CHEMICAL STORE
22.	345 WELLINGTON STREET AT BAY STREET - FORMER FOUNDRY
23.	100-102 BAY STREET - FORMER LAUNDRY
24.	WELLINGTON STREET AT SPARKS STREET - FORMER IRON WORKS
25.	415A SLATER STREET - FORMER GAS PUMP REPAIRS
26.	537 LAURIER AVENUE WEST - FORMER GARAGE (WITH 1 UNDERGROUND STORAGE TANK)
27.	440 LAURIER AVENUE WEST - FORMER GARAGE (WITH 2 UNDERGROUND STORAGE TANKS)
28.	380B LAURIER AVENUE WEST - FORMER COAL STORAGE
29.	299 SLATER STREET - FORMER MACHINE SHOP
30.	326 ALBERT STREET - FORMER MACHINE SHOP
31.	178 KENT STREET - FORMER RETAIL FUEL OUTLET
32.	392 TO 394 SPARKS STREET - FORMER PETROLEUM PRODUCT WHOLESALE
33.	413 LAURIER AVENUE WEST - FORMER AUTOMOTIVE REPAIR GARAGE
34.	401 LAURIER AVENUE WEST - FORMER AUTOMOTIVE REPAIR GARAGE
35.	320 QUEEN STREET - FORMER LAUNDRY AND DRY CLEANERS
36.	378 SPARKS STREET - FORMER RETAIL FUEL OUTLET
37.	407 LAURIER AVENUE - FORMER RETAIL FUEL OUTLET

[illegible]

APPENDIX 1

CHAIN OF TITLE

PLAN OF SURVEY

AERIAL PHOTOGRAPHS

SITE PHOTOGRAPHS



READ Abstracts Limited

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

Email: search@readsearch.com

Tel.: 613-236-0664

Fax: 613-236-3677

ENVIRONMENTAL SEARCH

September 6, 2016

Patersongroup

Attn: Karyn Munch

BRIEF DESCRIPTION OF LAND:

383 Slater Street, 400 Albert Street, Ottawa

LTS 14 & 15, PL 3922, S/S OF ALBERT ST, LTS 12-17, PL 3922, N/S OF SLATER

ST EXCEPT PT 2, 4R10209

PIN: 04114-0008 (LT)

LAST REGISTERED OWNER: 2507701 ONTARIO INC.

CHAIN OF TITLE:

Lot 12, Plan 3922, North Slater

Plan 3922 registered March 24, 1869

Sparks & Slater, et al (owner)

Deed CR25303 registered June 11, 1886

From Charles Magee, et al to Alexander A. Henderson

Deed CR110602 registered March 14, 1912

From Estate of Alexander A. Henderson to Anthony M. Power

Deed 110606 registered March 14, 1912

From Anthony M. Power to Frederick Diamend & Reva Rosin

Deed 111624 registered April 15, 1912

From Frederick Diamend to George A. Burgess

Deed 126421 registered June 17, 1914

From George A. Burgess to Hugh S. Conn.

Deed 167948 registered March 21, 1923
From Estate of Hugh S. Conn to Frederick Hunt

Deed 281734 registered January 31, 1950
From Estate of Frederick Hunt to Frederick J. B Hunt & Silas S.H. Hunt

Deed 333404 registered May 20, 1955
From Estate of Frederick Hunt to Estate of Thomas A. Hunt

Deed 377934 registered September 24, 1958
From Estate of Thomas A. Hunt and Silas S. H. Hunt to The Crown in right of Canada

Deed NS93607 registered August 7, 1980
From Her majesty the Queen to The Civil Service Co-operative Credit Society Limited

Lot 13, Plan 3922, North Slater

Plan 3922 registered March 24, 1869
Sparks & Slater, et al (owner)

Deed CR26470 registered April 2, 1887
From Charles Magee, et al to Alexander A. Henderson

Deed CR110602 registered March 14, 1912
From Estate of Alexander A. Henderson to Anthony M. Power

Deed 110605 registered March 14, 1912
From Anthony M. Power to Frederick Diamend & Reva Rosin

Deed 111625 registered April 15, 1912
From Frederick Diamend and Reva Rosin to Charles S. Smith

Deed 112292 registered May 3, 1912
From Charles S. Smith to John E. Wilmot

Deed 162400 registered March 30, 1922
From John E. Wilmot to Timothy A. O'Neill

Deed 167029 registered January 8, 1923
From Timothy A. O'Neill to Frederick Hunt

Deed 281730 registered January 31, 1950
From Estate of Frederick Hunt to Thomas A. Hunt

Deed 333404 registered May 20, 1955
From Estate of Frederick Hunt to Estate of Thomas A. Hunt

Deed 377934 registered September 24, 1958
From Estate of Thomas A. Hunt to The Crown in right of Canada

Deed NS93607 registered August 7, 1980
From Her majesty the Queen to The Civil Service Co-operative Credit Society Limited

Lot 14, Plan 3922, North Slater

Plan 3922 registered March 24, 1869
Sparks & Slater, et al (owner)

Deed CR14178 registered July 28, 1876
From Charles Magee, et al to Ellen E. Arnold

Deed CR23981 registered August 24, 1885
From Ellen E. Arnold to Thomas McDonald

Deed CR26470 registered April 2, 1887
From Charles Magee, et al to Alexander A. Henderson

Probate CR48105 registered January 29, 1897
From Thomas McDonald to Caroline McDonald

Deed CR56094 registered November 24, 1899
From Caroline McDonald to Thomas C. Slade

Deed CR110602 registered March 14, 1912
From Estate of Alexander A. Henderson to Anthony M. Power

Deed 110605 registered March 14, 1912
From Anthony M. Power to Frederick Diamend & Reva Rosin

Deed 111625 registered April 15, 1912
From Frederick Diamend to Charles S. Smith

Deed 112292 registered May 3, 1912
From Charles S. Smith to John E. Wilmot

Deed 162400 registered March 30, 1922
From John E. Wilmot to Timothy A. O'Neill

Deed 167029 registered January 8, 1923
From Timothy A. O'Neill to Frederick Hunt

Deed 226345 registered November 9, 1938
From Estate of Thomas Slade. to Cora G. Bouchard

Deed 225661 registered February 26, 1944
From Cora G. Bouchard to Joachim Sauve

Deed 281730 registered January 31, 1950
From Estate of Frederick Hunt to Thomas A. Hunt

Deed 304967 registered October 15, 1952
From Joachim Sauve to Mary Becker

Deed 333404 registered May 20, 1955
From Estate of Frederick Hunt. to Estate of Thomas A. Hunt

Deed 341035 registered December 8, 1955
From Mary A. Becker to Ng Wa Park

Deed 377934 registered September 24, 1958
From Estate of Thomas A. Hunt to The Crown in right of Canada

Deed 411125 registered September 2, 1960
From Ng Wa Park to The Crown in right of Canada

Deed NS93607 registered August 7, 1980
From Her majesty the Queen to The Civil Service Co-operative Credit Society Limited

Lot 15, Plan 3922, North Slater

Plan 3922 registered March 24, 1869
Sparks & Slater, et al (owner)

Deed CR9138 registered Aug 23, 1873
From Charles Magee, et al to Robert L. Hornidge

Deed CR20432 registered October 4, 1882
From Robert L. Hornidge to Abraham J. Browne

Deed CR34742 registered May 7, 1891
From Abraham J. Browne to Mary Browne

Deed CR36476 registered February 26, 1892

From Mary & N.C. Sparks to Sarah Sparks

Deed CR37272 registered July 5, 1892

From Sarah Sparks to John Scharf

Deed CR54426 registered May 6, 1899

From John Scharf to Thomas A. Beament

Deed CR67336 registered April 28, 1903

From Thomas A. Beament to Thomas Ralph

Deed CR73042 registered March 29, 1905

From Thomas Ralph to James Lennon

Deed 111539 registered April 12, 1912

From James H. Lennon to Alexandrina Lafreniere

Deed 212987 registered September 8, 1934

From Estate of Eliza Bourne to Timothy O'Neill

Deed 259781 registered July 10, 1946

From Corporation of Ottawa to E.W. Perkins

Deed 301507 registered June 13, 1950

From Estate of Timothy O'Neill to Terrance M. O'Neill and Margaret O'Neill

Deed 367817 registered January 15, 1958

From Terrance M. O'Neill and Margaret O'Neill to Odile De Bortoli in trust

Deed 367847 registered January 16, 1958

From Odile De Bortoli in trust to Odile De Bortoli, Albins Pignat, Albert Beargetts

Deed 374367 registered July 8, 1958

From Odile De Bortoli, Albins Pignat, Albert Beargetts to Shenkman Properties Limited

Deed 482241 registered August 28, 1964

From Shenkman Properties Co. Limited to The Civil Service Co-operative Credit Society Limited

Deed 569059 registered December 11, 1969

From Estate of Ernest W. Perkins to Mary C. Perkins

Deed 569153 registered December 12, 1969

From Mary C. Perkins to The Civil Service Co-operative Credit Society Limited

Lot 16, Plan 3922, North Slater

Plan 3922 registered March 24, 1869
Sparks & Slater, et al (owner)

Deed CR10129 registered April 13, 1874
From Charles Magee, et al to George Bonnell

Deed CR10352 registered May 15, 1874
From George Bonnell to Henry Living Junior

Deed CR60436 registered April 10, 1901
From Henry Howell Living to John Wadsworth

Deed CR60717 registered May 2, 1901
From Amos Bonell to Napoleon J. Lafreniere

Deed CR76286 registered February 13, 1906
From John Wadsworth to Roland Lumoine

Deed CR76477 registered March 3, 1906
From Roland Lumoine to Arthur N. Bunnell

Deed CR81793 registered June 8, 1907
From Arthur N. Bunnell to John A. Fraser

Deed 154043 registered September 10, 1920
From John A. Fraser to Nathan Bosts

Deed 169844 registered July 4, 1923
From Nathan Bosts to Thomas C. Costello

Deed 199321 registered September 16, 1930
From Mary Powers to Henry P. Young

Deed 230375 registered February 9, 1940
From Mary Egleson to Joseph C Thoms

Deed 234067 registered March 16, 1941
From Joseph C Thoms to Joseph & Karimilra Litvinchuck

Deed 239953 registered October 14, 1942
From Joseph & Karimilra Litvinchuck to Ernest W. Perkins

Deed 273163 registered September 25, 1948
From Thomas C. Costello to Ivan Griffith

Deed 293702 registered August 1, 1950
From Ivan Griffith to Harvey A. Heintzman

Lease 494940 registered June 17, 1965
From Harvey A. Heintzman to Ottawa Lodi Super-Treads Limited

Deed 516452 registered September 30, 1966
From Estate of Ernest W. Perkins to Mary C. Perkins

Deed 562126 registered July 22, 1969
From Harvey A. Heintzman to Ottawa Lodi Super-Treads Limited

Deed 569059 registered December 11, 1969
From Estate of Ernest W. Perkins to Mary C. Perkins

Deed 569153 registered December 12, 1969
From Mary C. Perkins to The Civil Service Co-operative Credit Society Limited

Deed 574286 registered April 30, 1970
From Ottawa Lodi Super-Treads Limited to The Civil Service Co-operative Credit Society Limited

Lot 17, Plan 3922, North Slater

Plan 3922 registered March 24, 1869
Sparks & Slater, et al (owner)

Deed CR4154 registered June 21, 1869
From Nicholas Sparks to Henry Living

Deed CR53634 registered February 22, 1899
From Henry Living to Mary E. Living

Deed CR57154 registered May 2, 1900
From Mary E. Living to Kate Wilson

Deed CR58493 registered August 28, 1900
From Kate & James S. Wilson to Watson L. & Charles B. Purcer

Deed CR64562 registered June 9, 1902
From Kate & James S. Wilson to Clarissa MacLean

Deed CR67263 registered April 22, 1903

From Watson L. & Charles B. Purcer to Walter Todd

Deed CR72941 registered March 17, 1905
From Clarissa and Hector M. Maclean to Amelia F. Cook

Deed CR74355 registered July 19, 1905
From Walter Todd to William W. Boucher

Deed 103207 registered April 1, 1911
From Kate & James S. Wilson to Peter Gorman

Deed 111326 registered April 4, 1912
From William W. Boucher to T.H. Crawford

Deed 158681 registered June 10, 1921
From Thomas H. Crawford to David H. McMurtry

Deed 162965 registered April 27, 1927
From Estate of Amelia F. Cook to Peter Gorman

Deed 172472 registered January 7, 1924
From David H. McMurtry to Flora Peden

Deed 207519 registered May 26, 1932
From Peter Gorman to Mary Klane

Deed 225412 registered August 4, 1938
From Estate of Flora Peden to Argue Realty Limited

Deed 226436 registered October 27, 1938
From Estate of Mary Keane to Herbert M. & Dorothy Keane

Deed 233353 registered January 11, 1941
From Herbert M. Keane to Dorothy Keane

Deed 269337 registered October 5, 1948
From Estate of Peter Gorman to Nanine Gorman

Deed 280270 registered November 1, 1949
From Nanine Gorman to Claude E. Parker

Deed 339572 registered November 1, 1955
From Dorothy Devine to Nadim and Lumila Lazdins

Deed 486369 registered November 19, 1964
From Nadim and Lumila Lazdins to Antonio & Lucia Didomenico

Deed 501955 registered November 2, 1965
From Estate of Edna M. Parker to Florida Mac Murdo

Deed 599069 registered September 30, 1971
From Argue Realty Limited to The Civil Service Co-operative Credit Society Limited

Deed 612357 registered June 16, 1972
From Antonio & Lucia Didomenico to The Regional Municipality of Ottawa-Carleton

Deed 657647 registered July 31, 1974
From Florida Mac Murdo to Michael Nasrallah

Deed N545813 registered August 10, 1990
From Michael Nasrallah to The Civil Service Co-operative Credit Society Limited

Deed N696844 registered June 24, 1994
From Antonio & Lucia Didomenico to to The Civil Service Co-operative Credit Society Limited

Lot 14, Plan 3922 South Albert Street

Plan 3922 registered March 24, 1869
Sparks & Slater, et al (owner)

Deed CR24405 registered November 28, 1885
From Charles Magee, et al to Edith Mary Carruthers

Deed CR26554 registered April 18, 1887
From Charles Magee, et al to Thomas D. McFarlane

Deed CR33747 registered November 21, 1890
From Edith Mary Carruthers to Cyrus H. McCargar

Deed CR41070 registered March 22, 1894
From Thomas D. MacFarlane to James Grant

Deed CR41739 registered June 14, 1894
From Cyrus H. McCargar to James T. Nidd

Deed CR66165 registered December 3, 1902
From James Grant to Flora Peden

Deed 172474 registered January 7, 1924
From Flora Peden to David H. McMurtry

Deed 192630 registered May 30, 1928
From David H. McMurtry to Soloman Epstein, Golda Epstein

Deed 221427 registered May 10, 1937
From Estate of James Nidd to Golda Epstein

Deed 330921 registered March 7, 1955
From Estate of Solomon Epstein and Ruth Maser to Shenkman Properties Limited

Deed 482241 registered August 28, 1964
From Shenkman Properties Co. Limited to The Civil Service Co-operative Credit Society Limited

Lot 15, Plan 3922 South Albert Street

Plan 3922 registered March 24, 1869
Sparks & Slater, et al (owner)

Deed CR6008 registered June 20, 1871
From Nicholas Sparks, et al to George Cowan

Deed CR7082 registered May 22, 1872
From Nicholas Sparks, et al to William Whitehead

Deed CR10091 registered April 7, 1974
From George Cowan to Michael Dolan

Deed CR10589 registered June 25, 1874
From Michael Dolan to Thomas E. Moore

Deed CR11484 registered December 9, 1874
From Thomas E. Moore to A. Rosenthal & L.D. Benjamin

Deed CR21037 registered May 4, 1883
From Michael Dolan to Ada L. Gilmour

Deed CR23358 registered March 4, 1885
From Ada L. Gilmour to Marie A. Lea Grison

Deed CR26437 registered March 29, 1887
From Mary Ann Kavanagh to Ada Laura Gilmour

Deed CR26438 registered March 29, 1887

From Ada L. Gilmour to Martin Macdonald

Deed CR31548 registered December 2, 1889
From Martin McDonald to Francis R. Latchford

Quit Claim Deed CR61000 registered May 20, 1901
From Estate of William Whitehead to Jane Whitehead

Deed 211970 registered April 24, 1934
From Estate of Jane Whitehead to Annie Whitehead

Deed 236897 registered December 5, 1941
From Annie Whitehead to Madge & Elizabeth Whitehead

Deed 253414 registered June 16, 1945
From Estate of Elizabeth Latchford to Eugene & Laurette Charron

Deed 283824 registered May 31, 1950
From Madge Whitehead to Eleanor Kealey

Deed 333909 registered June 2, 1955
From Eleanor Kealey to Shenkman Properties Limited

Deed 455628 registered February 11, 1963
From Eugene Charron to Laurette Charron

Deed 482241 registered August 28, 1964
From Shenkman Properties Co. Limited to The Civil Service Co-operative Credit Society Limited

Deed 642520 registered November 1, 1973
From Laurette Charron to The Civil Service Co-operative Credit Society Limited

Deed OC1779160 registered April 14, 2016
From Alterna Savings and Credit Union Limited to 2507701 Ontario Inc.

CHANGE OF NAME RECITAL

By letters patent GR15528 registered in 1964, Shenkman Properties Limited became Shenkman Properties Company Limited.

TOPOGRAPHICAL PLAN OF SURVEY

LOTS 12, 13, 14, 15, 16 AND
PART OF LOT 17
(North Slater Street)
AND
LOTS 14 & 15
(South Albert Street)
REGISTERED PLAN 3922
CITY OF OTTAWA
Surveyed by Annis, O'Sullivan, Vollebakk Ltd.

Scale 1:200
8.0 6.0 4.0 2.0 0 4 8 Metres

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

Surveyor's Certificate
I CERTIFY THAT:
1. This survey and plan are correct and in accordance with the
Surveyors Act, the Surveyors Act, the Land Titles Act and the
regulations made under them.
2. The survey was completed on the 28th day of March, 2014.

April 1, 2014
Date
Edward M. Lancaster
Ontario Land Surveyor

Notes & Legend

Denotes	Survey Monument Found
SIB	Standard Iron Bar
IB	Iron Bar
CC	Cut Cross
CP	Concrete Pin
(WIT)	Witness
Meas.	Measured
(AOG)	Annis, O'Sullivan, Vollebakk Ltd.
(P1)	(AOG) Plan dated March 31, 2011
(P2)	(AOG) Plan dated 1993 (Topo)
(P3)	Plan 4R-25778
(P4)	Plan 4R-10209
(P5)	Plan D-52
MH-ST	Maintenance Hole (Storm Sewer)
MH-S	Maintenance Hole (Sanitary)
MH-B	Maintenance Hole (Bell)
MH-T	Maintenance Hole (Traffic)
MH-H	Maintenance Hole (Hydro)
MH-G	Maintenance Hole (Gas)
VC	Valve Chamber (Watermain)
ST	Underground Storm Sewer
S	Underground Sanitary Sewer
W	Underground Water
P	Underground Power
G	Underground Gas
UP	Utility Pole
LS	Light Standard
CB	Catch Basin
FH	Fire Hydrant
WV	Water Valve
SP	Water Stand Post
GV	Gas Valve
GM	Gas Meter
TSP	Traffic Signal Post
DT	Deciduous Tree
B	Bollard
Δ	Sign
CLF	Chain Link Fence
BF	Board Fence
PBWF	Post and Wire
WRW	Wood Retaining Wall
CRW	Concrete Retaining Wall
CHW	Overhead Wires
φ	Diameter
+ 65.00	Location of Elevations
C/L	Top of Concrete Curb Elevation
---	Property Line

NOTE #1: The Location of all Sight Triangles and Street Widening
are Preliminary and must be approved by The City of Ottawa before
any design work is undertaken.

SITE AREA: 0.4920 HECTARES

Topographic data was collected under Winter Conditions.
Snow cover and ice preclude determining location and
elevation of some topographical data that is otherwise visible.

ELEVATION NOTES

- Elevations shown are geodetic and are referred to the CGVD28 geodetic 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 it's relative elevation and description
agrees with the information shown on this drawing.

UTILITY NOTES

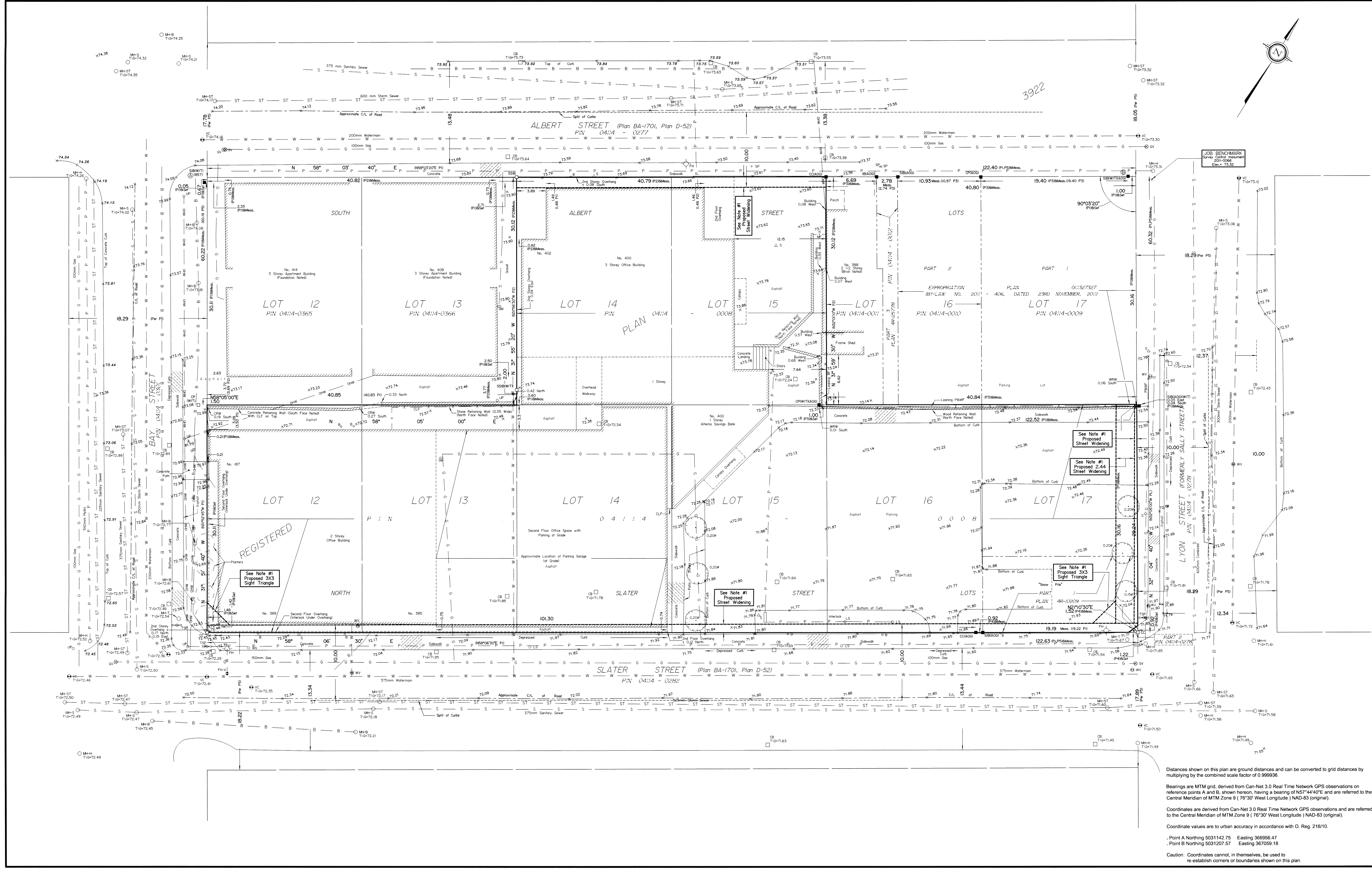
- This drawing cannot be accepted as acknowledging all of the utilities and it will
be the responsibility of the user to contact the respective utility authorities for
confirmation.
- Only visible surface utilities were located.
- A field location of underground plant by the pertinent utility authority is
mandatory before any work involving breaking ground, probing, excavating etc.
- Underground Utilities shown on this plan are compiled from the City of Ottawa
Plans D-11-18, D-11-19, D-11-24 & H-36-F.

Coordinate values are to urban accuracy in accordance with O. Reg. 216/10.

Point A Northing 5031142.75 Easting 366956.47
Point B Northing 5031207.57 Easting 367059.18

Caution: Coordinates cannot, in themselves, be used to
re-establish corners or boundaries shown on this plan.

ANNIS, O'SULLIVAN, VOLLEBEKK LTD.
14 Concourse Gate, Suite 500
Nepean, Ont. K2E 7S6
Phone: (613) 727-0850 / Fax: (613) 727-1079
Email: Nepean@annisovs.com





AERIAL PHOTOGRAPH
1928



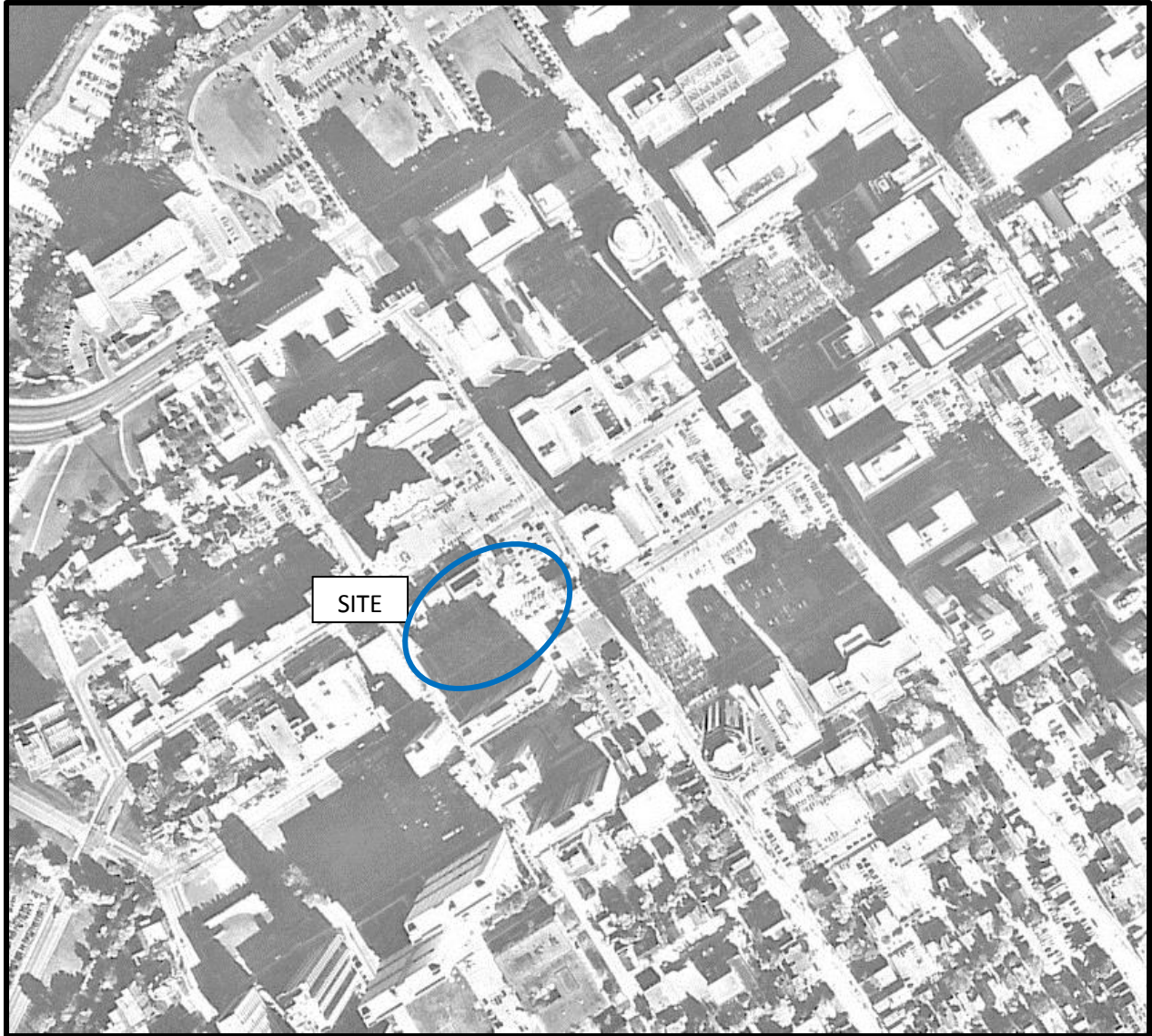
AERIAL PHOTOGRAPH
1950



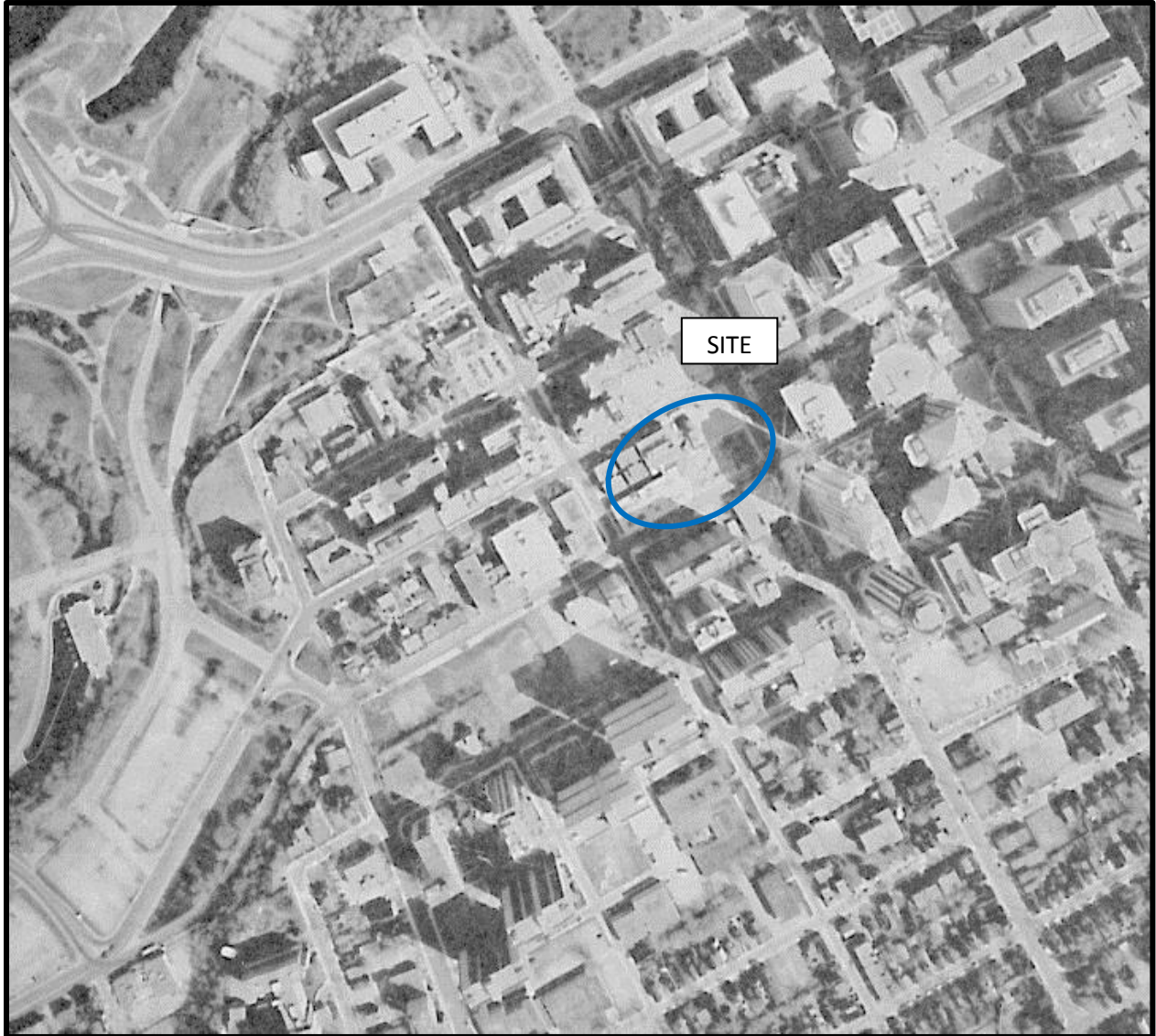
AERIAL PHOTOGRAPH
1969



AERIAL PHOTOGRAPH
1978



AERIAL PHOTOGRAPH
1986



AERIAL PHOTOGRAPH
1993



AERIAL PHOTOGRAPH
2011



AERIAL PHOTOGRAPH
2017

Site Photographs

PE4581

383 Slater Street, 388-400 Albert Street, 156-160 Lyon Street, Ottawa, ON



Photograph 1: From the center of the site, looking east. Retaining walls and the two-storey building are visible on the subject site.



Photograph 2: From the center of the site, looking southwest. Gravel parking area is typical of the subject site.

Site Photographs

PE4581

383 Slater Street, 388-400 Albert Street, 156-160 Lyon Street, Ottawa, ON



Photograph 3: From the center of the site, looking southeast.



Photograph 4: Retaining walls typical of the northern property line.

APPENDIX 2

MECP FREEDOM OF INFORMATION RESPONSE

CITY OF OTTAWA HLUI SEARCH RESULTS

TSSA CORRESPONDENCE

MECP WELL RECORDS



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 Mandy Witteman Paterson Group Inc. 154 Colonnade Road Ottawa, ON K2E 7J5 Email address: mwitteman@patersongroup.ca			FOI Request No.	Date Request Received
			Fee Paid ☐ ACCT ☐ CHQ ☐ VISA/MC ☐ CASH	
Telephone/Fax Nos. Tel. 613-226-7381 Fax 613-226-6344	Your Project/Reference No. PE-4581	Signature/Print /Name of Requester Mandy Witteman	☐ CNR ☐ ER ☐ NOR ☐ SWR ☐ WCR ☐ SAC ☐ IEB ☐ EAA ☐ EMR ☐ SWA	
Request Parameters				
Municipal Address / Lot, Concession, Geographic Township (Municipal address essential for cities, towns or regions) 156-160 Lyon Street (one site/project)				
Present Property Owner(s) and Date(s) of Ownership Main and Main				
Previous Property Owner(s) and Date(s) of Ownership				
Present/Previous Tenant(s), (if applicable)				
Search Parameters			Specify Year(s) Requested	
Files older than 2 years may require \$60.00 retrieval cost. There is no guarantee that records responsive to your request will be located.				
Environmental concerns (General correspondence, occurrence reports, abatement)			all	
Orders			all	
Spills			all	
Investigations/prosecutions ➤ Owner AND tenant information must be provided			all	
Waste Generator number/classes			all	
Certificates of Approval ➤ Proponent information must be provided				
1985 and prior records are searched manually. Search fees in excess of \$300.00 could be incurred, depending on the types and years to be searched. Specify Certificates of Approval number(s) (if known). If supporting documents are also required, mark SD box and specify type e.g. maps, plans, reports, etc.				
	SD	Specify Year(s) Requested		
air - emissions		1986-present		
water - mains, treatment, ground level, standpipes & elevated storage, pumping stations (local & booster)		1986-present		
sewage - sanitary, storm, treatment, stormwater, leachate & leachate treatment & sewage pump stations		1986-present		
waste water - industrial discharges		1986-present		
waste sites - disposal, landfill sites, transfer stations, processing sites, incinerator sites		1986-present		
waste systems - PCB destruction, mobile waste processing units, haulers: sewage, non-hazardous & hazardous waste		1986-present		
pesticides - licenses		1986-present		

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.



File Number: C10-01-16-0245

September 26, 2016

Karyn Munch
Paterson Group
154 Colonnade Rd. S
Ottawa, ON
K2E 7J5

Sent via email [KMunch@Patersongroup.ca]

Dear Karyn Munch,

Re: Information Request
383 Slater Street, 400 Albert Street, Ottawa, Ontario ("Subject Property")

Internal Department Circulation

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

- The City's Environmental Remediation Unit notes that there are environmental records pertaining to the subject property on file at the City of Ottawa's Disposals & Environmental Remediation Unit offices. Visit <http://ottawa.ca/en/city-hall/your-city-government/policies-and-administrative-structure/how-and-where-submit-request> to submit requests for information under the *Municipal Freedom of Information and Protection of Privacy Act*.

Search of Historical Land Use Inventory

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

A search of the HLUI database revealed the following information:

- There are 3 activities associated with the Subject Property: Activity Numbers 11080, 4703 and 8095.

Shaping our future together
Ensemble, formons notre avenir

City of Ottawa
Planning, Infrastructure and Economic
Development Department

110 Laurier Avenue West, 4th Floor
Ottawa, ON K1P 1J1
Tel: (613) 580-2424 ext. 24856
Fax: (613) 560-6006
www.ottawa.ca

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

110, avenue Laurier Ouest, 4e étage
Ottawa (Ontario) K1P 1J1
Tél.: (613) 580-2424 ext. 24856
Télé.: (613) 560-6006
www.ottawa.ca

The HLUI database was also searched for activity associated with properties located within 50m of the Subject Property. The search revealed the following:

- There are 54 activities associated with the properties located within 50m of the Subject Property: Activity Numbers 11393, 11177, 1130, 12034, 13306, 2021, 7152, 8393, 9235, 9892, 9893, 9951, 12595, 12738, 131, 13513, 13527, 13979, 14675, 2425, 2867, 3620, 3760, 5539, 6297, 8523, 8567, 8629, 863, 8873, 9894, 12274, 8120, 10121, 11332, 14450, 2408, 7157, 8096, 10793, 7157, 7382, 749, 8035, 10477, 10970, 11287, 12513, 14275, 14470, 3594, 3686, 8632, and 3973.

Please note that Activity Numbers 11080, 10477, 11287, 14275, 14470, 3594, 8632, 11332, 14450, 2408, 7157, 8096, 7157, 12274, 8120, 131, 2867, 3760, 8567, 9894 and 11177 have a PIN Certainty of "2". This identifier acknowledges that there is some uncertainty about the exact location of the land use activity and that the activity may or may not have been located on the Subject Property. All database entries with a PIN Certainty of "2" require independent verification as to their precise location.

A site map has been included to show the location of the Subject Property as well as the location of all the activities noted above, including the HLUI database's location of the Activity Numbers with a PIN Certainty of "2".

Additional information may be obtained by contacting:

Ontario's Environmental Registry

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

The Ontario Land Registry Office

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

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

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

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

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

If you have any further questions or comments, please contact Stephanie Mirtitsch at 613-580-2424 ext. 24856 or HLUI@ottawa.ca

Sincerely,



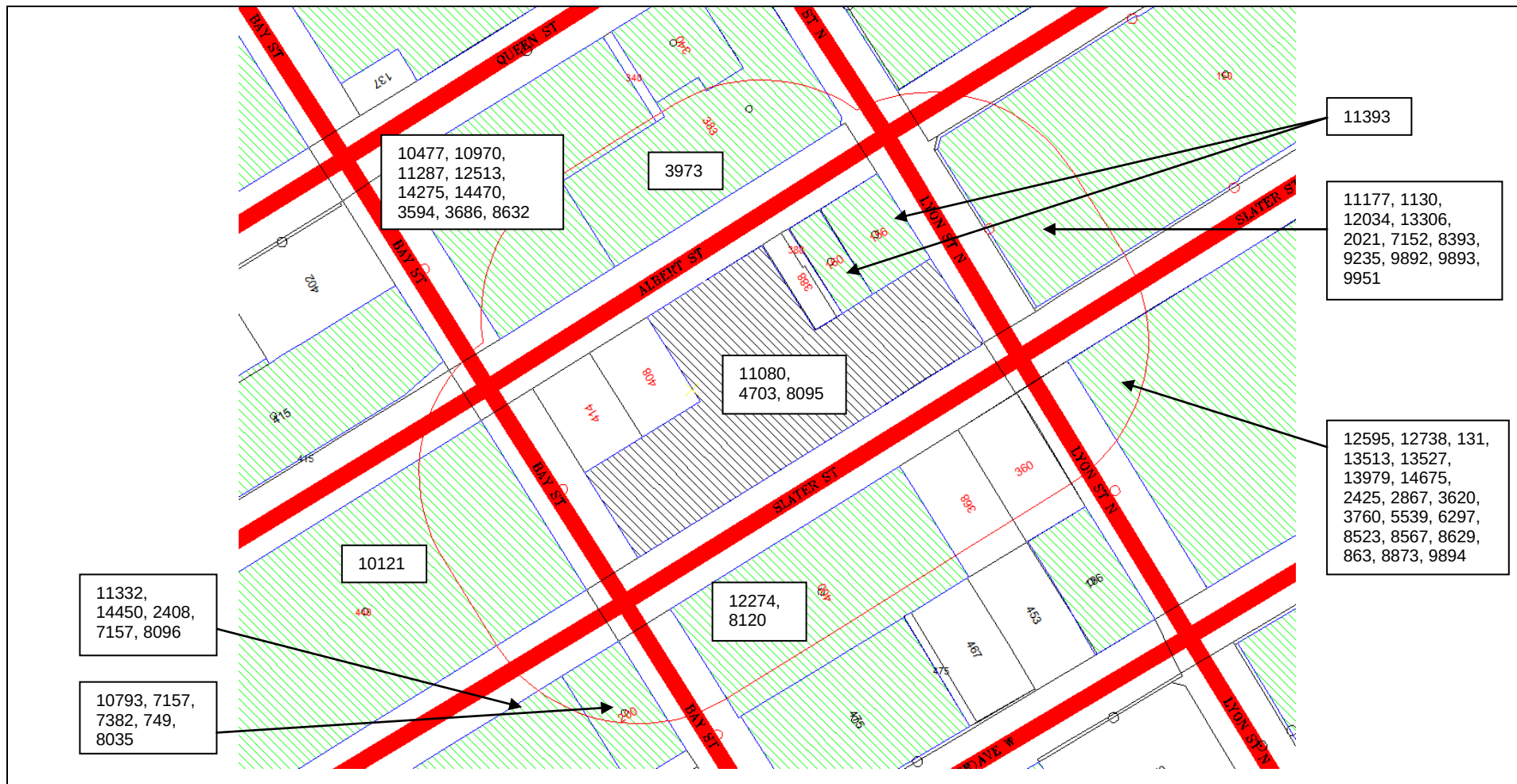
for:

David Wise, MUP, MCIP, RPP
Program Manager
Development Review (Suburban Services) - West
Planning, Infrastructure and Economic Development Department

DW / SM

Attach: 58

cc: File no. C10-01-16-0246



Scale 1: n/a

383 Slater Street, 400 Albert Street
Ottawa, ON
File # C10-01-16-0246
Stephanie Mirtitsch



Overview

ID# = Activity Identification Number

 = Subject Site



CITY OF OTTAWA
HLUI ID: __679GIG
AREA (Square Metres): 4918.361

Report: RPTC_OT_DEV0122
Run On: 21 Sep 2016 at: 16:21:33

Study Year
1998

PIN
041140008

Multi-NAIC
Y

Multiple Activities
Y

Activity ID: 11080 **Multiple PINS:** N
PIN Certainty: 2 **Previous Activity ID(s) :** 5565
Related PINS: 041140008
Name: PRECISION HYDRAULICS
Address: 369 SLATER STREET, OTTAWA
Facility Type: Other Machinery and Equipment Industries
Comments 1:
Comments 2:
Generator Number:
Storage Tanks:
HL References 1: M.1960, M.1970, M.1980
HL References 2:
HL References 3:

NAICS	SIC
333299	319
333120	319
335990	319
333910	319
333110	319
333130	319
336211	319
336510	319
333611	319
332991	319
333291	319
336120	319
333210	319
333220	319

Company Name
Precision Hydraulics

Year of Operation
c. 1960



CITY OF OTTAWA
HLUI ID: __679GIG
AREA (Square Metres): 4918.361

Report: RPTC_OT_DEV0122

Run On: 21 Sep 2016 at: 16:21:33

Study Year
1998

PIN
041140008

Multi-NAIC
Y

Multiple Activities
Y

Activity ID: 4703 **Multiple PINS:** N
PIN Certainty: 1 **Previous Activity ID(s) :** 4508
Related PINS: 041140008
Name: E.W. PERKINS WELDING
Address: 369 SLATER STREET, OTTAWA
Facility Type: Other Repair Services
Comments 1: FIP1901 - FIP1922 - residence M. 1963 - lists Laurier Motors FIP1963 - lists Ottawa Lodi-Super Treads
Comments 2:
Generator Number:
Storage Tanks:
HL References 1: M.1920, M.1948, M.1956, M.1963, M.1964; FIP1901-44-261,vol2; FIP1912-44-261,vol1; FIP1922-44-261,vol1;
FIP1948-110-261; FIP1963-110-261
HL References 2:
HL References 3:

NAICS	SIC
811411	994

Company Name

E.W. Perkins Welding

Year of Operation

c. 1948



CITY OF OTTAWA
HLUI ID: __679GIG
AREA (Square Metres): 4918.361

Report: RPTC_OT_DEV0122

Run On: 21 Sep 2016 at: 16:21:33

Study Year
1998

PIN
041140008

Multi-NAIC
Y

Multiple Activities
Y

Activity ID: 8095 **Multiple PINS:** N
PIN Certainty: 1 **Previous Activity ID(s) :** 4512
Related PINS: 041140008
Name: LAURIER MOTORS
Address: SLATER STREET, OTTAWA
Facility Type: Motor Vehicle Repair Shops
Comments 1: FIP1948 - lists welding company
Comments 2: 367 to 369
Generator Number:
Storage Tanks:
HL References 1: M.1920, M.1948, M.1956, M.1960, M.1963, M.1964, M.1970, M.1980; FIP1901-44-261,vol2; FIP1912-44-261,vol1;
FIP1922-44-261,vol1; FIP1948-110-261; FIP1963-110-261
HL References 2:
HL References 3:

NAICS	SIC
811121	635
811119	635
811112	635
415290	552
415210	552

Company Name

Laurier Motors
Ottawa Lodi-Super Treads

Year of Operation

c. 1963
c. 1960-1970



CITY OF OTTAWA
HLUI ID: __679F9U
AREA (Square Metres): 3071.947

Report: RPTC_OT_DEV0122
Run On: 21 Sep 2016 at: 16:22:58

Study Year
1998

PIN
041140005

Multi-NAIC
Y

Multiple Activities
N

Activity ID: 3973 **Multiple PINS:** Y
PIN Certainty: 1 **Previous Activity ID(s) :** 2094
Related PINS: 041140004
Name: DEPT. OF TRANSPORT
Address: QUEEN STREET, OTTAWA
Facility Type: Commercial Printing Industries
Comments 1: 340 to 342
Comments 2:
Generator Number:
Storage Tanks:
HL References 1: M.1920, M.1948, M.1960, M.1964, M.1970, M.1980; FIP1901-44-260, Vol2; FIP1912-44-260, Vol1; FIP1922-44-260, Vol1; FIP1948-110-260; FIP1963-110-260
HL References 2:
HL References 3:

NAICS	SIC
323115	281
811310	551
323119	281
913910	835
323116	281
415110	551
415190	551
323114	281
415120	551
811111	551

Company Name
Dept. of Transport

Year of Operation
c. 1948-1970



CITY OF OTTAWA
HLUI ID: __679FA4
AREA (Square Metres): 3509.489

Report: RPTC_OT_DEV0122
Run On: 21 Sep 2016 at: 16:25:18

Study Year
1998

PIN
151450000

Multi-NAIC
Y

Multiple Activities
Y

Activity ID: 10477 **Multiple PINS:** Y
PIN Certainty: 2 **Previous Activity ID(s) :** 2048
Related PINS: 151450000
Name: PEERLESS GARAGE COMPANY
Address: QUEEN STREET, OTTAWA
Facility Type: Motor Vehicle Repair Shops
Comments 1: 342 to 350
Comments 2:
Generator Number:
Storage Tanks:
HL References 1: M.1900, M.1910, M.1920, M.1930, M.1940, M.1950; FIP1901-44-260,vol2. FIP1912-44-260,vol1.
FIP1922-44-260,vol1. M.1912,
HL References 2:
HL References 3:

NAICS	SIC
811112	635
811119	635
811121	635

Company Name

Peerless Garage Company

Year of Operation

c. 1910-1912



CITY OF OTTAWA
HLUI ID: __679FA4
AREA (Square Metres): 3509.489

Report: RPTC_OT_DEV0122

Run On: 21 Sep 2016 at: 16:25:18

Study Year
1998

PIN
151450000

Multi-NAIC
Y

Multiple Activities
Y

Activity ID: 10970 **Multiple PINS:** N
PIN Certainty: 1 **Previous Activity ID(s) :** 3190
Related PINS: 151450000
Name: PATTERSON PLATING
Address: 384 QUEEN STREET, OTTAWA
Facility Type: Stamped, Pressed and Coated Metal Products Industries
Comments 1:
Comments 2:
Generator Number:
Storage Tanks:
HL References 1: M.1960, M.1970, M.1980
HL References 2:
HL References 3:

NAICS	SIC
332720	304
332210	304
332118	304
339910	304
332439	304
332431	304

Company Name
Patterson Plating

Year of Operation
c. 1960



CITY OF OTTAWA
HLUI ID: __679FA4
AREA (Square Metres): 3509.489

Report: RPTC_OT_DEV0122

Run On: 21 Sep 2016 at: 16:25:18

Study Year
1998

PIN
151450000

Multi-NAIC
Y

Multiple Activities
Y

Activity ID: 11287 **Multiple PINS:** N
PIN Certainty: 2 **Previous Activity ID(s) :** 1171
Related PINS: 151450000
Name: QUEEN ST. GARAGE
Address: 384 QUEEN STREET, OTTAWA
Facility Type: Motor Vehicle Repair Shops
Comments 1:
Comments 2:
Generator Number:
Storage Tanks:
HL References 1: M.1900, M.1910, M.1920, M.1930, M.1940, M.1950
HL References 2:
HL References 3:

NAICS	SIC
811121	635
811112	635
811119	635

Company Name

Queen St. Garage

Year of Operation

c. 1930-1940



CITY OF OTTAWA
HLUI ID: __679FA4
AREA (Square Metres): 3509.489

Report: RPTC_OT_DEV0122

Run On: 21 Sep 2016 at: 16:25:18

Study Year
1998

PIN
151450000

Multi-NAIC
Y

Multiple Activities
Y

Activity ID: 12513 **Multiple PINS:** N
PIN Certainty: 1 **Previous Activity ID(s) :** 1750
Related PINS: 151450000
Name: SPARTAN AIR SERVICES LIMITED
Address: 348 QUEEN STREET, OTTAWA
Facility Type: Platemaking, Typesetting and Bindery Industry
Comments 1:
Comments 2:
Generator Number:
Storage Tanks:
HL References 1: M.1958, M.1960, M.1961, M.1964, M.1970, M.1980
HL References 2:
HL References 3:

NAICS	SIC
812921	282
323120	282

Company Name

Spartan Air Services Ltd.

Year of Operation

c. 1958-1961



CITY OF OTTAWA
HLUI ID: __679FA4
AREA (Square Metres): 3509.489

Report: RPTC_OT_DEV0122

Run On: 21 Sep 2016 at: 16:25:18

Study Year
1998

PIN
151450000

Multi-NAIC
Y

Multiple Activities
Y

Activity ID: 14275
PIN Certainty: 2
Related PINS: 151450000

Multiple PINS: N
Previous Activity ID(s) : 163

Name: UNITED DYE WORKS COMPANY
Address: QUEEN STREET, OTTAWA
Facility Type: Other Textile Products Industries
Comments 1: 382 to 384
Comments 2:

Generator Number:

Storage Tanks:

HL References 1: M.1900, M.1910, M.1920, M.1921, M.1930, M.1940, M.1948, M.1950, M.1964; FIP1901-44-260,vol2; FIP1912-44-260,vol1; FIP1922-44-260,vol1; FIP1948-110-260; FIP1963-110-260

HL References 2:

HL References 3:

NAICS	SIC
322291	199
315990	199
313320	199
313220	199
325620	199

Company Name

United Dye Works Company

Year of Operation

c. 1920

**CITY OF OTTAWA****HLUI ID: __679FA4****AREA (Square Metres): 3509.489**

Report: RPTC_OT_DEV0122

Run On: 21 Sep 2016 at: 16:25:18

Study Year
1998**PIN**
151450000**Multi-NAIC**
Y**Multiple Activities**
Y

Activity ID: 14470 **Multiple PINS:** N
PIN Certainty: 2 **Previous Activity ID(s) :** 5648
Related PINS: 151450000
Name: WELDERS AND CUTTERS OF OTTAWA
Address: 382 QUEEN STREET, OTTAWA
Facility Type: Other Repair Services
Comments 1: FIP1922 notes oxyacetylene and electric welding
Comments 2:
Generator Number:
Storage Tanks:
HL References 1: M.1920, M.1921, M.1948, M.1964; FIP1901-44-260, Vol2; FIP1912-44-260, Vol1; FIP1922-44-260, Vol1;
FIP1948-110-260; FIP1963-110-260
HL References 2:
HL References 3:

NAICS	SIC
811411	994

Company Name

Welders and Cutters of Ottawa

Year of Operation

c. 1921-1922



CITY OF OTTAWA
HLUI ID: __679FA4
AREA (Square Metres): 3509.489

Report: RPTC_OT_DEV0122

Run On: 21 Sep 2016 at: 16:25:18

Study Year
1998

PIN
151450000

Multi-NAIC
Y

Multiple Activities
Y

Activity ID: 3594
PIN Certainty: 2
Related PINS: 151450000
Multiple PINS: N
Previous Activity ID(s) : 5649

Name: COMBER AUTO TOP AND UPHOLSTERERS
Address: 382 QUEEN STREET, OTTAWA
Facility Type: Motor Vehicle Repair Shops
Comments 1: FIP1948 Oil Storage shown. Garage and Work Shop
Comments 2:

Generator Number:

Storage Tanks:

HL References 1: M.1920, M.1921, M.1948, M.1964; FIP1901-44-260, Vol2; FIP1912-44-260, Vol1; FIP1922-44-260, Vol1; FIP1948-110-260; FIP1963-110-260

HL References 2:

HL References 3:

NAICS	SIC
333990	305
334512	305
811112	635
331222	305
332619	305
811121	635
811119	635

Company Name

Comber Auto Top and Upholsterers

Year of Operation

c. 1948-1963



CITY OF OTTAWA
HLUI ID: __679FA4
AREA (Square Metres): 3509.489

Report: RPTC_OT_DEV0122

Run On: 21 Sep 2016 at: 16:25:18

Study Year
1998

PIN
151450000

Multi-NAIC
Y

Multiple Activities
Y

Activity ID: 3686 **Multiple PINS:** N
PIN Certainty: 1 **Previous Activity ID(s) :** 2530, 4505
Related PINS: 041140002
Name: COCA COLA OF CANADA LIMITED
Address: QUEEN STREET, OTTAWA
Facility Type: Motor Vehicles, Wholesale
Comments 1: Became Cabeldu Motors Ltd. in 1956, shown on FIP1956.
Comments 2: 339 to 345
Generator Number:
Storage Tanks:
HL References 1: M.1900, M.1910, M.1920, M.1930, M.1940, M.1948, M.1950, M.1964; FIP1901-43-259,vol2; FIP1912-43-259,vol1; FIP1922-43-259,vol1; FIP1948-106-259; FIP1956-106-259;FIP1901-44-260,vol2; FIP1912-44-260,vol1; FIP1922-44-260,vol1; FIP1948-110-260; FIP1963-110-26
HL References 2:
HL References 3:

NAICS	SIC
811310	551
811111	551
415110	551
415190	551
312120	111
415120	551

Company Name

Coca Cola of Canada Ltd.
Coca-Cola Ltd.

Year of Operation

c. 1920-1948
c. 1940-1948



CITY OF OTTAWA
HLUI ID: __679FA4
AREA (Square Metres): 3509.489

Report: RPTC_OT_DEV0122

Run On: 21 Sep 2016 at: 16:25:18

Study Year
1998

PIN
151450000

Multi-NAIC
Y

Multiple Activities
Y

Activity ID: 8632 **Multiple PINS:** Y
PIN Certainty: 2 **Previous Activity ID(s) :** 4713
Related PINS: 151450000
Name: MODERN MACHINE CO.
Address: QUEEN STREET, OTTAWA
Facility Type: Machine Shop Industry
Comments 1: 344 to 348
Comments 2:
Generator Number:
Storage Tanks:
HL References 1: M.1900, M.1910, M.1920, M.1930, M.1940, M.1950; FIP1901-44-260,vol2; FIP1912-44-260,vol1; FIP1922-44-260,vol1
HL References 2:
HL References 3:

NAICS	SIC
336310	308
336350	308
332710	308
333619	308

Company Name
Modern Machine Co.

Year of Operation
c. 1912-1940



CITY OF OTTAWA
HLUI ID: __679BZQ
AREA (Square Metres): 7246.610

Report: RPTC_OT_DEV0122
Run On: 21 Sep 2016 at: 16:26:33

Study Year
2005

PIN
041120071

Multi-NAIC
N

Multiple Activities
N

Activity ID: 10121 Multiple PINS: N
PIN Certainty: 1 Previous Activity ID(s) :
Related PINS: 041120071
Name: OTTAWA-CARLETON DISTRICT SCHOOL BOARD
Address: 440 ALBERT STREET, OTTAWA
Facility Type: Elementary and Secondary Education
Comments 1: ALBERT STREET ADMINISTRATION BUILDING
Comments 2:
Generator Number: ON0375204
Storage Tanks:
HL References 1:
HL References 2:
HL References 3: 2003 PID

NAICS SIC
611110 0

Company Name	Year of Operation
OTTAWA-CARLETON DISTRICT SCHOOL BOARD	c. 2001
OTTAWA-CARLETON DISTRICT SCHOOL BOARD	c. 2000
OTTAWA-CARLETON DISTRICT SCHOOL BOARD	c. 2003
OTTAWA-CARLETON DISTRICT SCHOOL BOARD	c. 2005



CITY OF OTTAWA
HLUI ID: __679G53
AREA (Square Metres): 12764.434

Report: RPTC_OT_DEV0122
Run On: 21 Sep 2016 at: 16:27:18

Study Year
1998

PIN
041130019

Multi-NAIC
Y

Multiple Activities
Y

Activity ID: 11332 **Multiple PINS:** N
PIN Certainty: 2 **Previous Activity ID(s) :** 1320, 316
Related PINS: 041130019
Name: PROVINCIAL DEPARTMENT OF HEALTH
Address: 428 SLATER STREET, OTTAWA
Facility Type: Human Resources Administration
Comments 1:
Comments 2:
Generator Number:
Storage Tanks:
HL References 1: M.1900, M.1910, M.1920, M.1930, M.1940, M.1950
HL References 2:
HL References 3:

NAICS	SIC
912910	826

Company Name	Year of Operation
Civic Laboratories	c. 1920
Provincial Department of Health	c. 1930-1940
Provincial Department of Health	c. 1950



CITY OF OTTAWA
HLUI ID: __679G53
AREA (Square Metres): 12764.434

Report: RPTC_OT_DEV0122

Run On: 21 Sep 2016 at: 16:27:18

Study Year
1998

PIN
041130019

Multi-NAIC
Y

Multiple Activities
Y

Activity ID: 14450
PIN Certainty: 2
Related PINS: 041130019

Multiple PINS: N
Previous Activity ID(s) : 1322

Name: WATER WORKS DEPARTMENT BOOSTER STATION
Address: SLATER STREET, OTTAWA
Facility Type: Water Systems Industry
Comments 1: Ice House at this location in 1920
Comments 2: 428-458

Generator Number:

Storage Tanks:

HL References 1: M.1900, M.1910, M.1920, M.1930, M.1940, M.1948, M.1950, M.1964; FIP1901-44-271,vol1; FIP1901-44-271,vol2; FIP1922-44-271,Vol1; FIP1948-110-271; FIP1963-110-271

HL References 2:

HL References 3:

NAICS	SIC
221310	493
913910	835

Company Name

Water Works Department Booster Station

Year of Operation

c. 1930-1964



CITY OF OTTAWA
HLUI ID: __679G53
AREA (Square Metres): 12764.434

Report: RPTC_OT_DEV0122

Run On: 21 Sep 2016 at: 16:27:18

Study Year
1998

PIN
041130019

Multi-NAIC
Y

Multiple Activities
Y

Activity ID: 2408 **Multiple PINS:** N
PIN Certainty: 2 **Previous Activity ID(s) :** 4515
Related PINS: 041130019
Name: CASTINGS OF OTTAWA LIMITED
Address: SLATER STREET, OTTAWA
Facility Type: Aluminum Rolling, Casting and Extruding Industry
Comments 1: '422-426 - sand storage building (large) at rear of property M. 1920 - lists Ottawa Car Co., brass foundry FIP1912,
Comments 2: FIP1922 - lists Ottawa Electric Co. & Ottawa Car Mfg. Co. Ltd. M. 1948 - lists as Plant 2 M. 1963, FIP1963 - shows as part of Ottawa Technical High School
Generator Number:
Storage Tanks:
HL References 1: M.1900, M.1910, M.1920, M.1930, M.1940, M. 1948,M.1950, M.1963; FIP1901-44-271,vol2; FIP1912-44-271,vol1; FIP1922-44-271,vol1; FIP1948-110-271; FIP1963-110-271
HL References 2:
HL References 3:

NAICS	SIC
331511	294
332113	296
331529	296
331317	296
332810	294
331420	297

Company Name

Ottawa Car Manufacture Co. Ltd.
Castings of Ottawa Ltd.

Year of Operation

c. 1912-1922
c. 1948



CITY OF OTTAWA
HLUI ID: __679G53
AREA (Square Metres): 12764.434

Report: RPTC_OT_DEV0122

Run On: 21 Sep 2016 at: 16:27:18

Study Year
1998

PIN
041130019

Multi-NAIC
Y

Multiple Activities
Y

Activity ID: 7157 **Multiple PINS:** Y
PIN Certainty: 2 **Previous Activity ID(s) :** 2376
Related PINS: 153070000
Name: J.J. NICHOL
Address: 408 SLATER STREET, OTTAWA
Facility Type: Refined Petroleum Products Industries
Comments 1: 1900 - also residence - residence only 1910 - 1950
Comments 2:
Generator Number:
Storage Tanks:
HL References 1: M.1900, M.1910, M.1920, M.1930, M.1940, M.1950
HL References 2:
HL References 3:

NAICS	SIC
324110	361
324190	361

Company Name

J.J. Nichol

Year of Operation

c. 1900



CITY OF OTTAWA
HLUI ID: __679G53
AREA (Square Metres): 12764.434

Report: RPTC_OT_DEV0122

Run On: 21 Sep 2016 at: 16:27:18

Study Year
1998

PIN
041130019

Multi-NAIC
Y

Multiple Activities
Y

Activity ID: 8096
PIN Certainty: 2
Related PINS: 041130019
Multiple PINS: N
Previous Activity ID(s) : 2910

Name: LAURIER MOTORS
Address: 537 LAURIER AVENUE WEST, OTTAWA
Facility Type: Motor Vehicle Repair Shops
Comments 1:
Comments 2:
Generator Number:

Storage Tanks: One (1) Underground Gasoline Tank, north east corner of building
HL References 1: M.1920, M.1948, M.1960, M.1964, M.1970, M.1980; FIP1901-44-271, Vol2; FIP1912-44-271, Vol1; FIP1922-44-271, Vol1; FIP1948-110-271; FIP1963-110-271

HL References 2:

HL References 3:

NAICS	SIC
811112	635
811121	635
811119	635

Company Name

Peter Shorkey
Budget Motors
Laurier Motors

Year of Operation

c. 1920
c. 1948-1963
c. 1960

**CITY OF OTTAWA**

HLUI ID: __679E95

AREA (Square Metres): 774.388

Report: RPTC_OT_DEV0122

Run On: 21 Sep 2016 at: 16:28:18

Study Year
1998**PIN**
153070000**Multi-NAIC**
Y**Multiple Activities**
Y

Activity ID: 10793 **Multiple PINS:** N

PIN Certainty: 1 **Previous Activity ID(s) :** 4778

Related PINS: 153070000

Name: R. IRVINE SODA WATER FACTORY

Address: BAY STREET, OTTAWA

Facility Type: Soft Drink Industry

Comments 1: 200 to 202 - 'FIP1901 - lists 200 as vacant lot, & 202 as residence FIP1912 - lists R. Irvine M. 1920 - lists Langley's Dyers FIP1948 - lists John Neville Paper Co. Ltd. FIP1963 - lists Bern Engraving Ltd.

Comments 2:

Generator Number:

Storage Tanks: 5 UST - 240 gal each, gasoline-west side of property

HL References 1: M.1920, M.1921, M.1948, M.1964; FIP1901-44-271,vol1; FIP1912-44-271,vol1; FIP1922-44-271,vol1; FIP1948-110-271,vol1; FIP1963-110-271,Vol1

HL References 2:

HL References 3:

NAICS	SIC
312120	111

Company Name

R. Irvine Soda Water Factory

Year of Operation

c. 1912



CITY OF OTTAWA
HLUI ID: __679E95
AREA (Square Metres): 774.388

Report: RPTC_OT_DEV0122

Run On: 21 Sep 2016 at: 16:28:18

Study Year
1998

PIN
153070000

Multi-NAIC
Y

Multiple Activities
Y

Activity ID: 7157 **Multiple PINS:** Y
PIN Certainty: 2 **Previous Activity ID(s) :** 2376
Related PINS: 153070000
Name: J.J. NICHOL
Address: 408 SLATER STREET, OTTAWA
Facility Type: Refined Petroleum Products Industries
Comments 1: 1900 - also residence - residence only 1910 - 1950
Comments 2:
Generator Number:
Storage Tanks:
HL References 1: M.1900, M.1910, M.1920, M.1930, M.1940, M.1950
HL References 2:
HL References 3:

NAICS	SIC
324110	361
324190	361

Company Name

J.J. Nichol

Year of Operation

c. 1900



CITY OF OTTAWA
HLUI ID: __679E95
AREA (Square Metres): 774.388

Report: RPTC_OT_DEV0122

Run On: 21 Sep 2016 at: 16:28:18

Study Year
1998

PIN
153070000

Multi-NAIC
Y

Multiple Activities
Y

Activity ID: 7382 **Multiple PINS:** N
PIN Certainty: 1 **Previous Activity ID(s) :** 4779
Related PINS: 153070000
Name: JOHN NEVILLE PAPER CO.
Address: BAY STREET, OTTAWA
Facility Type: Pulp and Paper Industries
Comments 1: 200 to 202 - 'Warehouse and Offices at this location. FIP1901 - lists 200 as vacant lot, & 202 as residence
Comments 2: FIP1912 - lists R. Irvine M. 1920 - lists Langley's Dyers FIP1948 - lists John Neville Paper Co. Ltd. FIP1963 - lists Bern Engraving Ltd.
Generator Number:
Storage Tanks: 5 UST - 240 gal. each, gasoline
HL References 1: M.1920, M.1921, M.1948, M.1964; FIP1901-44-271,vol2; FIP1912-44-271,vol1; FIP1922-44-271,vol1; FIP1948-110-271; FIP1963-110-271
HL References 2:
HL References 3:

NAICS	SIC
322122	271
322130	271
322111	271
322121	271
322112	271

Company Name

John Neville Paper Co.

Year of Operation

c. 1948

**CITY OF OTTAWA**

HLUI ID: __679E95

AREA (Square Metres): 774.388

Report: RPTC_OT_DEV0122

Run On: 21 Sep 2016 at: 16:28:18

Study Year
1998**PIN**
153070000**Multi-NAIC**
Y**Multiple Activities**
Y

Activity ID: 749 **Multiple PINS:** N

PIN Certainty: 1 **Previous Activity ID(s) :** 4780

Related PINS: 153070000

Name: BERN ENGRAVING LIMITED

Address: BAY STREET, OTTAWA

Facility Type: Platemaking, Typesetting and Bindery Industry

Comments 1: FIP1901 - lists 200 as vacant lot, & 202 as residence FIP1912 - lists R. Irvine M. 1920 - lists Langley's Dyers FIP1948 - lists John Neville Paper Co. Ltd. FIP1963 - lists Bern Engraving Ltd.

Comments 2:

Generator Number:

Storage Tanks: 5 UST - 240 gal. each, gasoline, west side of property

HL References 1: M.1920, M.1921, M.1948, M.1960, M.1964, M.1970, M.1971, M.1980, S.1970/71; FIP1901-44-271,vol1; FIP1912-44-271,vol1; FIP1922-44-271,vol1; FIP1948-110-271,Vol1, FIP1963-110-271,Vol1

HL References 2:

HL References 3:

NAICS	SIC
323120	282
448310	656
331490	392
812921	282

Company Name

Bern Engraving Ltd.

Year of Operation

c. 1960-1971

**CITY OF OTTAWA**

HLUI ID: __679E95

AREA (Square Metres): 774.388

Report: RPTC_OT_DEV0122

Run On: 21 Sep 2016 at: 16:28:18

Study Year
1998**PIN**
153070000**Multi-NAIC**
Y**Multiple Activities**
Y

Activity ID: 8035 **Multiple PINS:** N

PIN Certainty: 1 **Previous Activity ID(s) :** 3700

Related PINS: 153070000

Name: LANGLEY'S DYERS

Address: BAY STREET, OTTAWA

Facility Type: Laundries and Cleaners

Comments 1: 200 to 202 - 'FIP1901 - lists 200 as vacant lot, & 202 as residence FIP1912 - lists R. Irvine M. 1920 - lists Langley's Dyers FIP1948 - lists John Neville Paper Co. Ltd. FIP1963 - lists Bern Engraving Ltd.

Comments 2:

Generator Number:

Storage Tanks: 5 UST - 240 gal. each, gasoline- west side of property

HL References 1: M.1900, M.1910, M.1920, M.1921, M.1930, M.1940, M.1948, M.1950, M.1964; FIP1901-44-271,vol2; FIP1912-44-271,vol1; FIP1922-44-271,vol1; FIP1948-110-271,Vol1; FIP1963-110-271,Vol1

HL References 2:

HL References 3:

NAICS	SIC
322291	199
812320	972
313220	199
812310	972
325620	199
812330	972
315990	199
561740	972
313320	199

Company Name

Langley's Dyers

Year of Operation

c. 1920-1930



CITY OF OTTAWA
HLUI ID: __679F9E
AREA (Square Metres): 3184.556

Report: RPTC_OT_DEV0122
Run On: 21 Sep 2016 at: 16:29:33

Study Year
1998

PIN
041140018

Multi-NAIC
Y

Multiple Activities
Y

Activity ID: 12274 Multiple PINS: N
PIN Certainty: 2 Previous Activity ID(s) : 2057
Related PINS: 041140018
Name: ROBERT H. WALKER
Address: 412 SLATER STREET, OTTAWA
Facility Type: Exterior Close In Work
Comments 1:
Comments 2:
Generator Number:
Storage Tanks:
HL References 1: M.1900, M.1910, M.1920, M.1930, M.1940, M.1950
HL References 2:
HL References 3:

NAICS	SIC
238310	423
238140	423
238150	423
238160	423

Company Name
Robert H. Walker

Year of Operation
c. 1910



CITY OF OTTAWA
HLUI ID: __679F9E
AREA (Square Metres): 3184.556

Report: RPTC_OT_DEV0122

Run On: 21 Sep 2016 at: 16:29:33

Study Year
1998

PIN
041140018

Multi-NAIC
Y

Multiple Activities
Y

Activity ID: 8120 **Multiple PINS:** Y
PIN Certainty: 2 **Previous Activity ID(s) :** 3698
Related PINS: 153420000
Name: LAWRENCE DUNNE
Address: 203 BAY STREET, OTTAWA
Facility Type: Other Transportation Industries
Comments 1:
Comments 2:
Generator Number:
Storage Tanks:
HL References 1: M.1900, M.1910, M.1920, M.1930, M.1940, M.1950
HL References 2:
HL References 3:

NAICS	SIC
485310	458
485320	458

Company Name

Lawrence Dunne

Year of Operation

c. 1930



CITY OF OTTAWA

HLUI ID: __679ACD

AREA (Square Metres): 10087.763

Report: RPTC_OT_DEV0122

Run On: 21 Sep 2016 at: 16:30:33

Study Year

1998

2005

PIN

041140304

041149503

Multi-NAIC

Y

Y

Multiple Activities

Y

Y

Activity ID: 12595

Multiple PINS: N

PIN Certainty: 1

Previous Activity ID(s) : 1417

Related PINS: 041140304

Name: SCRIVENS BATTERY SERVICE

Address: 411 LAURIER STREET WEST, OTTAWA

Facility Type: Other Electrical Products Industries

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: M.1900, M.11910, M.1920, M.1930, M.1940, M.1950

HL References 2:

HL References 3:

NAICS

SIC

335910

339

Company Name

Scrivens Battery Service

Year of Operation

c. 1930



CITY OF OTTAWA
HLUI ID: __679ACD
AREA (Square Metres): 10087.763

Report: RPTC_OT_DEV0122

Run On: 21 Sep 2016 at: 16:30:33

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	041140304	Y	Y
2005	041149503	Y	Y

Activity ID: 12738 **Multiple PINS:** N
PIN Certainty: 1 **Previous Activity ID(s) :** 3434
Related PINS: 041140304
Name: SHAMROCK PARKING LIMITED -GASBAR
Address: 407 LAURIER AVENUE WEST, OTTAWA
Facility Type: Gasoline Service Stations
Comments 1:
Comments 2:
Generator Number:
Storage Tanks:
HL References 1: M.1960, M.1970, M.1980
HL References 2:
HL References 3:

NAICS	SIC
447190	633
447110	633
811199	633

Company Name	Year of Operation
Shamrock Parking Ltd.-Gasbar	c. 1980



CITY OF OTTAWA
HLUI ID: __679ACD
AREA (Square Metres): 10087.763

Report: RPTC_OT_DEV0122

Run On: 21 Sep 2016 at: 16:30:33

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	041140304	Y	Y
2005	041149503	Y	Y

Activity ID: 131 **Multiple PINS:** Y
PIN Certainty: 2 **Previous Activity ID(s) :** 1488
Related PINS: 041140040
Name: ARMSTRONG SIDDELEY MOTORS LIMITED
Address: 312 SLATER STREET, OTTAWA
Facility Type: Aircraft and Aircraft Parts Industry
Comments 1:
Comments 2:
Generator Number:
Storage Tanks:
HL References 1: M.1900, M.1910, M.1920, M.1930, M.1940, M.1950
HL References 2:
HL References 3:

NAICS	SIC
336410	321
336320	321

Company Name	Year of Operation
Armstrong Siddelay Motors Ltd.	c. 1930

**CITY OF OTTAWA**

HLUI ID: __679ACD

AREA (Square Metres): 10087.763

Report: RPTC_OT_DEV0122

Run On: 21 Sep 2016 at: 16:30:33

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	041140304	Y	Y
2005	041149503	Y	Y

Activity ID: 13513 **Multiple PINS:** N

PIN Certainty: 1 **Previous Activity ID(s) :** 4649

Related PINS: 041140304

Name: T.K. WEBSTER LIMITED

Address: LYON STREET, OTTAWA

Facility Type: Asphalt Roofing Industry

Comments 1: 183 to 185

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: M.1900-M.1963; FIP1901-41-253,vol1; FIP1912-41-253,vol1; FIP1922-41-253,vol1; FIP1948-111-253; FIP1963-11

HL References 2:

HL References 3:

NAICS	SIC
324122	272
238220	424

Company Name	Year of Operation
T.K. Webster Ltd.	c. 1948
Brunt Manufacturing Co. Ltd	c. 1940

**CITY OF OTTAWA**

HLUI ID: __679ACD

AREA (Square Metres): 10087.763

Report: RPTC_OT_DEV0122

Run On: 21 Sep 2016 at: 16:30:33

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	041140304	Y	Y
2005	041149503	Y	Y

Activity ID: 13527 **Multiple PINS:** N
PIN Certainty: 1 **Previous Activity ID(s) :** 1061, 4651

Related PINS: 041140304

Name: SYMONDS ALBERT
Address: 413 LAURIER AVENUE WEST, OTTAWA
Facility Type: Motor Vehicle Repair Shops
Comments 1: Furniture warehouse at this location in 1950
Comments 2:

Generator Number:

Storage Tanks:

HL References 1: M.1900, M.1910, M.1920, M.1930, M.1940, M.1947, M.1948, M.1949, M.1950, M.1963; FIP1901-41-253,vol2;
FIP1912-41-253,vol1; FIP1922-41-253,vol1; FIP1948-111-253; FIP1963-111-253

HL References 2:

HL References 3:

NAICS	SIC
811121	635
811112	635
811119	635

Company Name	Year of Operation
Symonds Albert	c. 1940
Unnamed Garage	c. 1948



CITY OF OTTAWA
HLUI ID: __679ACD
AREA (Square Metres): 10087.763

Report: RPTC_OT_DEV0122

Run On: 21 Sep 2016 at: 16:30:33

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	041140304	Y	Y
2005	041149503	Y	Y

Activity ID: 13979 **Multiple PINS:** N

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

Related PINS: 041149503

Name: TRU COLOR 1 HOUR PHOTO

Address: 407 LAURIER AVENUE WEST, OTTAWA

Facility Type: Camera and Photographic Supply Stores

Comments 1: MINTO PLACE

Comments 2:

Generator Number: ON1848800

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2000 PID

NAICS	SIC
443130	0
812922	0

Company Name	Year of Operation
TRU COLOR 1 HOUR PHOTO	c. 2001
TRU COLOR 1 HOUR PHOTO	c. 2000



CITY OF OTTAWA
HLUI ID: __679ACD
AREA (Square Metres): 10087.763

Report: RPTC_OT_DEV0122

Run On: 21 Sep 2016 at: 16:30:33

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	041140304	Y	Y
2005	041149503	Y	Y

Activity ID: 14675 Multiple PINS: N

PIN Certainty: 1 Previous Activity ID(s) :

Related PINS: 041149503

Name: VISTAR TELECOMMUNICATIONS

Address: 427 LAURIER AVENUE, OTTAWA

Facility Type: Communication and Other Electronic Equipment Industries

Comments 1: SUITE 1410

Comments 2:

Generator Number: ON2514600

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2000 PID

NAICS	SIC
334410	0
334220	0
334210	0

Company Name

VISTAR TELECOMMUNICATIONS

VISTAR TELECOMMUNICATIONS

Year of Operation

c. 2000

c. 2003



CITY OF OTTAWA
HLUI ID: __679ACD
AREA (Square Metres): 10087.763

Report: RPTC_OT_DEV0122

Run On: 21 Sep 2016 at: 16:30:33

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	041140304	Y	Y
2005	041149503	Y	Y

Activity ID: 2425 **Multiple PINS:** N

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

Related PINS: 041149503

Name: CB RICHARD ELLIS LIMITED

Address: 344 SLATER STREET, OTTAWA

Facility Type: Machinery and Equipment Rental and Leasing Service

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2001 Employment Survey

NAICS **SIC**

532490 0

Company Name

CB RICHARD ELLIS LIMITED

Year of Operation

c. 2001

**CITY OF OTTAWA**

HLUI ID: __679ACD

AREA (Square Metres): 10087.763

Report: RPTC_OT_DEV0122

Run On: 21 Sep 2016 at: 16:30:33

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	041140304	Y	Y
2005	041149503	Y	Y

Activity ID: 2867 **Multiple PINS:** Y
PIN Certainty: 2 **Previous Activity ID(s) :** 1059, 4202, 4871

Related PINS: 041140040

Name: UPTOWN GARAGE
Address: 401 LAURIER AVENUE WEST, OTTAWA
Facility Type: Motor Vehicle Repair Shops
Comments 1:
Comments 2:

Generator Number:

Storage Tanks: One (1) Underground Gasoline Tank

HL References 1: FIP1901-41-253, Vol2; FIP1912-41-253, Vol1; FIP1922-41-253, Vol1; FIP-111-253; FIP1963-111-253, M.1900, M.1910, M.1920, M.1930, M.1940, M.1948, M.1950, M.1960, M.1964, M.1970, M.1980; SC98

HL References 2:

HL References 3:

NAICS	SIC
811112	635
811119	635
811121	635

Company Name	Year of Operation
Johnston Clarence Garage	c. 1930
Canadian Tire Corp. Associate Store	c. 1960-1999
Hughes Owens Co. Ltd.	c. 1960
Uptown Garage	c. 1940

**CITY OF OTTAWA**

HLUI ID: __679ACD

AREA (Square Metres): 10087.763

Report: RPTC_OT_DEV0122

Run On: 21 Sep 2016 at: 16:30:33

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	041140304	Y	Y
2005	041149503	Y	Y

Activity ID: 3620 **Multiple PINS:** N

PIN Certainty: 1 **Previous Activity ID(s) :** 4646

Related PINS: 041140304

Name: CLARK'S DAIRY LIMITED

Address: LYON STREET, OTTAWA

Facility Type: Dairy Products Industries

Comments 1: 182 to 185

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: M.1920-M.1963; FIP1901-41-253,vol1; FIP1912-41-253,vol1; FIP1922-41-253,vol1; FIP1948-111-253; FIP1963-11

HL References 2:

HL References 3:

NAICS	SIC
311511	104
311520	104
311515	104

Company Name	Year of Operation
Clark's Dairy	c. 1920-1922



CITY OF OTTAWA
HLUI ID: __679ACD
AREA (Square Metres): 10087.763

Report: RPTC_OT_DEV0122

Run On: 21 Sep 2016 at: 16:30:33

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	041140304	Y	Y
2005	041149503	Y	Y

Activity ID: 3760 **Multiple PINS:** Y

PIN Certainty: 2 **Previous Activity ID(s) :** 1017

Related PINS: 041140040

Name: CORDWOOD ALL AWAY

Address: SLATER STREET, OTTAWA

Facility Type: Lumber and Building Materials, Wholesale

Comments 1: S.E.corner of Slater & Lyon. Property runs to the end of the block. 4 areas of stacked lumber & the rest of the property is open yards. FIP1912 shows as 324-334 Slater and 20 foot high slabs in an open yard.

Comments 2: 326 to 354

Generator Number:

Storage Tanks:

HL References 1: FIP1901-41-253,vol2. FIP1912-41-253,vol1. FIP1922-41-253,vol1; FIP1948- 111-253; FIP1963-111-253, M.1920, M.1948, M.1963

HL References 2:

HL References 3:

NAICS	SIC
321111	251
416310	563
416320	563
493120	479
321920	251
444190	563
321112	251
444120	563
493190	479
321919	251
444110	563
416340	563
493130	479

Company Name	Year of Operation
Cordwood All Away	c. 1901-1912

**CITY OF OTTAWA**

HLUI ID: __679ACD

AREA (Square Metres): 10087.763

Report: RPTC_OT_DEV0122

Run On: 21 Sep 2016 at: 16:30:33

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	041140304	Y	Y
2005	041149503	Y	Y

Activity ID: 5539 **Multiple PINS:** N

PIN Certainty: 1 **Previous Activity ID(s) :** 4540

Related PINS: 041140304

Name: G. MCGILLVRAY

Address: 411 LAURIER AVENUE WEST, OTTAWA

Facility Type: Sash, Door and Other Millwork Industries

Comments 1: M. 1920 - lists as George McGillivray, Blacksmith

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: M.1920; FIP1901-41-253,vol2; FIP1912-41-253,vol1; FIP1922-41-253,vol1

HL References 2:

HL References 3:

NAICS	SIC
337110	254
321215	254
321992	254
321911	254
811411	994

Company Name	Year of Operation
G. McGillivray	c. 1920-1922



CITY OF OTTAWA
HLUI ID: __679ACD
AREA (Square Metres): 10087.763

Report: RPTC_OT_DEV0122

Run On: 21 Sep 2016 at: 16:30:33

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	041140304	Y	Y
2005	041149503	Y	Y

Activity ID: 6297 **Multiple PINS:** N

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

Related PINS: 041149503

Name: HALLMARK HOUSEKEEPING SVC

Address: 427 LAURIER AVENUE WEST,

Facility Type: Services to Buildings and Dwellings

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2005 Select Phone

NAICS	SIC
561722	0
561799	0

Company Name

HALLMARK HOUSEKEEPING SVC

Year of Operation

c. 2005



CITY OF OTTAWA
HLUI ID: __679ACD
AREA (Square Metres): 10087.763

Report: RPTC_OT_DEV0122

Run On: 21 Sep 2016 at: 16:30:33

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	041140304	Y	Y
2005	041149503	Y	Y

Activity ID: 8523 **Multiple PINS:** N
PIN Certainty: 1 **Previous Activity ID(s) :** 4215, 194
Related PINS: 041140304
Name: MODERN DRY CLEANERS
Address: 407 LAURIER AVENUE WEST, OTTAWA
Facility Type: Laundries and Cleaners
Comments 1:
Comments 2:
Generator Number:
Storage Tanks:
HL References 1: M.1900, M.1910, M.1920, M.1930, M.1940, M.1950; SC98
HL References 2:
HL References 3:

NAICS	SIC
812330	972
812320	972
561740	972
812310	972

Company Name	Year of Operation
Modern Dry Cleaners	c. 1998
Lyle Blackwell Ltd.	c. 1950



CITY OF OTTAWA
HLUI ID: __679ACD
AREA (Square Metres): 10087.763

Report: RPTC_OT_DEV0122

Run On: 21 Sep 2016 at: 16:30:33

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	041140304	Y	Y
2005	041149503	Y	Y

Activity ID:	8567	Multiple PINS:	Y
PIN Certainty:	2	Previous Activity ID(s) :	1312

Related PINS: 041140040

Name: LOW FRED K. R.
Address: 330 SLATER STREET, OTTAWA
Facility Type: Motor Vehicle Industry
Comments 1:
Comments 2:

Generator Number:

Storage Tanks:

HL References 1: M.1900, M.1910, M.1920, M.1930, M.1940, M.1950

HL References 2:

HL References 3:

NAICS	SIC
336110	323

Company Name

Low Fred K. R.

Year of Operation

c. 1930-1940



CITY OF OTTAWA
HLUI ID: __679ACD
AREA (Square Metres): 10087.763

Report: RPTC_OT_DEV0122

Run On: 21 Sep 2016 at: 16:30:33

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	041140304	Y	Y
2005	041149503	Y	Y

Activity ID: 8629 **Multiple PINS:** N

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

Related PINS: 041149503

Name: MODERN DRY CLEANERS

Address: 407 LAURIER AVENUE, OTTAWA

Facility Type: Laundries and Cleaners

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2001 Employment Survey

NAICS **SIC**

812320 0

Company Name

MODERN DRY CLEANERS

Year of Operation

c. 2001

**CITY OF OTTAWA**

HLUI ID: __679ACD

AREA (Square Metres): 10087.763

Report: RPTC_OT_DEV0122

Run On: 21 Sep 2016 at: 16:30:33

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	041140304	Y	Y
2005	041149503	Y	Y

Activity ID: 863 **Multiple PINS:** N

PIN Certainty: 1 **Previous Activity ID(s) :** 4643

Related PINS: 041140304

Name: A. HUCKELS & CO.

Address: LYON STREET, OTTAWA

Facility Type: Soft Drink Industry

Comments 1: 181 to 185

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: M.1900-M.1963; FIP1901-41-253,vol1; FIP1912-41-253,vol1; FIP1922-41-253,vol1; FIP1948- 111-253; FIP1963-111-253

HL References 2:

HL References 3:

NAICS	SIC
312120	111

Company Name	Year of Operation
A. Huckels & Co.	c. 1910-1912

**CITY OF OTTAWA**

HLUI ID: __679ACD

AREA (Square Metres): 10087.763

Report: RPTC_OT_DEV0122

Run On: 21 Sep 2016 at: 16:30:33

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	041140304	Y	Y
2005	041149503	Y	Y

Activity ID: 8873 **Multiple PINS:** N

PIN Certainty: 1 **Previous Activity ID(s) :** 765

Related PINS: 041140304

Name: MCMULLEN-PERKINS LIMITED

Address: LAURIER AVENUE WEST, OTTAWA

Facility Type: Machine Shop Industry

Comments 1: FIP1948 company known as McMullen Supplies Ltd. Company has a secondary address on 332 Slater St.

Comments 2: 423-433

Generator Number:

Storage Tanks:

HL References 1: S.1958, S.1961, S.1964-65, M.1920, M.1948, M.1958, M.1961, M.1964; FIP1901-41-253, Vol1; FIP1912-41-253, Vol1; FIP1922-41-253, Vol1; FIP1948-11-253; FIP1963-11-253

HL References 2:

HL References 3:

NAICS	SIC
336350	308
333619	308
336310	308
332710	308

Company Name	Year of Operation
McMullen-Perkins Limited	c. 1948-1964

**CITY OF OTTAWA**

HLUI ID: __679ACD

AREA (Square Metres): 10087.763

Report: RPTC_OT_DEV0122

Run On: 21 Sep 2016 at: 16:30:33

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	041140304	Y	Y
2005	041149503	Y	Y

Activity ID: 9894 **Multiple PINS:** Y
PIN Certainty: 2 **Previous Activity ID(s) :** 1306

Related PINS: 041140040

Name: OTTAWA CAR CO.

Address: 312 SLATER STREET, OTTAWA

Facility Type: Stamped, Pressed and Coated Metal Products Industries

Comments 1: Machine shop, brass finishing, pattern storage

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: M.1900, M.1910, M.1920, M.1930, M.1940, M.1950; M.1920; FIP1901-41-253,vol2; FIP1912-41-253,vol1; FIP1922-41-253,vol1

HL References 2:

HL References 3:

NAICS	SIC
332210	304
336410	321
332118	304
336212	324
336215	324
332439	304
332431	304
332720	304
336110	323
336320	321
321991	324
339910	304

Company Name

Ottawa Car Co.

Ottawa Car Manufacturers Co.

Year of Operation

c. 1940

c. 1910-1930



CITY OF OTTAWA
HLUI ID: __679G17
AREA (Square Metres): 9932.456

Report: RPTC_OT_DEV0122
Run On: 21 Sep 2016 at: 16:35:19

Study Year
1998

PIN
041140032

Multi-NAIC
Y

Multiple Activities
Y

Activity ID: 11177 **Multiple PINS:** N
PIN Certainty: 2 **Previous Activity ID(s) :** 5201, 5364
Related PINS: 041140032
Name: PICTORAMA INC.
Address: 345 SLATER STREET, OTTAWA
Facility Type: Platemaking, Typesetting and Bindery Industry
Comments 1:
Comments 2:
Generator Number:
Storage Tanks:
HL References 1: SC98
HL References 2:
HL References 3:

NAICS	SIC
541920	993
323120	282
812921	282

Company Name	Year of Operation
Pictorama Inc	c. 1998
Remembrance Group of Studios	c. 1998



CITY OF OTTAWA
HLUI ID: __679G17
AREA (Square Metres): 9932.456

Report: RPTC_OT_DEV0122

Run On: 21 Sep 2016 at: 16:35:19

Study Year
1998

PIN
041140032

Multi-NAIC
Y

Multiple Activities
Y

Activity ID: 1130 **Multiple PINS:** N

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

Related PINS: 041140032

Name: ALLEN MAINTENANCE LIMITED

Address: 360 ALBERT STREET,

Facility Type: Services to Buildings and Dwellings

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2005 Select Phone

NAICS	SIC
561722	0
561799	0

Company Name

ALLEN MAINTENANCE LIMITED

Year of Operation

c. 2005



CITY OF OTTAWA
HLUI ID: __679G17
AREA (Square Metres): 9932.456

Report: RPTC_OT_DEV0122

Run On: 21 Sep 2016 at: 16:35:19

Study Year
1998

PIN
041140032

Multi-NAIC
Y

Multiple Activities
Y

Activity ID: 12034 **Multiple PINS:** N

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

Related PINS: 041140032

Name: RAYTHEON CANADA LIMITED

Address: 360 ALBERT STREET,

Facility Type: Communication and Other Electronic Equipment Industries

Comments 1: #1640

Comments 2:

Generator Number:

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2005 Select Phone

NAICS	SIC
334511	0

Company Name

RAYTHEON CANADA LIMITED

Year of Operation

c. 2005



CITY OF OTTAWA
HLUI ID: __679G17
AREA (Square Metres): 9932.456

Report: RPTC_OT_DEV0122

Run On: 21 Sep 2016 at: 16:35:19

Study Year
1998

PIN
041140032

Multi-NAIC
Y

Multiple Activities
Y

Activity ID: 13306 **Multiple PINS:** N
PIN Certainty: 1 **Previous Activity ID(s) :**
Related PINS: 041140032
Name: SUN MICROSYSTEMS OF CANADA
Address: 350 ALBERT STREET, OTTAWA
Facility Type: Electrical and Electronic Machinery, Equipment and Supplies, Wholesale
Comments 1:
Comments 2:
Generator Number:
Storage Tanks:
HL References 1:
HL References 2:
HL References 3: 2001 Employment Survey

NAICS **SIC**
443120 0

Company Name **Year of Operation**
SUN MICROSYSTEMS OF CANADA c. 2001



CITY OF OTTAWA
HLUI ID: __679G17
AREA (Square Metres): 9932.456

Report: RPTC_OT_DEV0122

Run On: 21 Sep 2016 at: 16:35:19

Study Year
1998

PIN
041140032

Multi-NAIC
Y

Multiple Activities
Y

Activity ID: 2021 **Multiple PINS:** N
PIN Certainty: 1 **Previous Activity ID(s) :** 6852
Related PINS: 041140032
Name: CANADA COUNCIL
Address: 350 ALBERT STREET, OTTAWA
Facility Type: Commercial Printing Industries
Comments 1: Generator #ON0912501 (waste generator)
Comments 2:
Generator Number:
Storage Tanks:
HL References 1: PID1994
HL References 2:
HL References 3:

NAICS	SIC
323114	281
323116	281
323119	281
323115	281

Company Name

Canada Council

Year of Operation

c. 1994



CITY OF OTTAWA
HLUI ID: __679G17
AREA (Square Metres): 9932.456

Report: RPTC_OT_DEV0122

Run On: 21 Sep 2016 at: 16:35:19

Study Year
1998

PIN
041140032

Multi-NAIC
Y

Multiple Activities
Y

Activity ID: 7152 **Multiple PINS:** N
PIN Certainty: 1 **Previous Activity ID(s) :** 4641
Related PINS: 041140032
Name: J.H. CONNOR & SON LIMITED - PLANT NO. 2
Address: SLATER STREET, OTTAWA
Facility Type: Hardware, Tool and Cutlery Industries
Comments 1: - machine shops
Comments 2: 331 to 343
Generator Number:
Storage Tanks:
HL References 1: M.1920, M.1947, M.1949, M.1963; FIP1901-41-252,vol1; FIP1912-41-252,vol1; FIP1922-41-252,vol1;
FIP1948-111-252; FIP1963-111-252
HL References 2:
HL References 3:

NAICS	SIC
333519	306
336350	308
332510	306
333619	308
333511	306
336310	308
332710	308

Company Name

J.H. Connor & Son Ltd. - Plant No. 2

Year of Operation

c. 1948



CITY OF OTTAWA
HLUI ID: __679G17
AREA (Square Metres): 9932.456

Report: RPTC_OT_DEV0122
Run On: 21 Sep 2016 at: 16:35:19

Study Year
1998

PIN
041140032

Multi-NAIC
Y

Multiple Activities
Y

Activity ID: 8393 **Multiple PINS:** N

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

Related PINS: 041140032

Name: LE CALUMET

Address: 350 ALBERT STREET, OTTAWA

Facility Type: Motor Vehicles, Wholesale

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2001 Employment Survey

NAICS	SIC
415120	0

Company Name

LE CALUMET

Year of Operation

c. 2001



CITY OF OTTAWA
HLUI ID: __679G17
AREA (Square Metres): 9932.456

Report: RPTC_OT_DEV0122

Run On: 21 Sep 2016 at: 16:35:19

Study Year
1998

PIN
041140032

Multi-NAIC
Y

Multiple Activities
Y

Activity ID: 9235 **Multiple PINS:** N

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

Related PINS: 041140032

Name: MERCK FROSST CANADA INC.

Address: 360 ALBERT STREET, OTTAWA

Facility Type: Other Converted Paper Products Industries

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2001 Employment Survey

NAICS	SIC
325999	0

Company Name

MERCK FROSST CANADA INC.

Year of Operation

c. 2001



CITY OF OTTAWA
HLUI ID: __679G17
AREA (Square Metres): 9932.456

Report: RPTC_OT_DEV0122

Run On: 21 Sep 2016 at: 16:35:19

Study Year
1998

PIN
041140032

Multi-NAIC
Y

Multiple Activities
Y

Activity ID:	9892	Multiple PINS:	N
PIN Certainty:	1	Previous Activity ID(s) :	4825
Related PINS:	041140032		
Name:	OTTAWA CAR & AIRCRAFT CO. LIMITED		
Address:	SLATER STREET, OTTAWA		
Facility Type:	Electric Power Systems Industry		
Comments 1:	FIP1901 - open lumber yards, no tank FIP1922 - oil storage in basement - paint shops, electric power plant, car/carriage shop, woodworking shop, lumber storage, planing mill FIP1963 - lists vacant lots & office building		
Comments 2:	301 to 325		
Generator Number:			
Storage Tanks:	1 AGT - 10,000 gal. contents unknown, roof tank, 30 ft. high, listed as water (1922) - FIP1922 - gasoline tanks of 750 gal. each r		
HL References 1:	M.1900-M.1963; FIP1901-41-252,vol2; FIP1912-41-252,vol2; FIP1922-41-252,vol1; FIP1948- 111-252; FIP1963-111-252		
HL References 2:			
HL References 3:			



CITY OF OTTAWA
HLUI ID: __679G17
AREA (Square Metres): 9932.456

Report: RPTC_OT_DEV0122

Run On: 21 Sep 2016 at: 16:35:19

Study Year
1998

PIN
041140032

Multi-NAIC
Y

Multiple Activities
Y

NAICS	SIC
484223	456
221121	491
336110	323
482113	453
484221	456
562110	456
321919	251
484110	456
488490	456
488210	453
221119	491
336410	321
484222	456
484122	456
336320	321
484239	456
221112	491
238220	424
321112	251
321920	251
482112	453
483116	453
484121	456
484229	456
484232	456
221122	491
321111	251
336990	329
482114	453
484231	456
484233	456
221111	491
221113	491

Company Name

Ottawa Car & Aircraft Co. Ltd.
Ottawa Car Manufacturing Co. Ltd.

Year of Operation

c. 1940-1948
c. 1900-1930



CITY OF OTTAWA
HLUI ID: __679G17
AREA (Square Metres): 9932.456

Report: RPTC_OT_DEV0122

Run On: 21 Sep 2016 at: 16:35:19

Study Year
1998

PIN
041140032

Multi-NAIC
Y

Multiple Activities
Y

Activity ID: 9893 **Multiple PINS:** N
PIN Certainty: 1 **Previous Activity ID(s) :** 125
Related PINS: 041140032
Name: OTTAWA CAR & AIRCRAFT LIMITED
Address: ALBERT STREET, OTTAWA
Facility Type: Truck and Bus Body and Trailer Industries
Comments 1: Company changed name to Ottawa Car and Aircraft Ltd in 1940 and 1950. Their address in 1940, 1950 was # 352-360 Albert St.
Comments 2: 348 to 360
Generator Number:
Storage Tanks: Two (2) fuel oil tanks
HL References 1: FIP1956; FIP1963; M.1900, M.1910, M.1920, M.1930, M.1940, M.1950
HL References 2:
HL References 3:

NAICS	SIC
336215	324
321991	324
336320	321
336990	329
336212	324
336410	321

Company Name

Ottawa Car & Aircraft Ltd.
Ottawa Car Manufacturing Company

Year of Operation

c. 1940-1950
c. 1920-1930



CITY OF OTTAWA
HLUI ID: __679G17
AREA (Square Metres): 9932.456

Report: RPTC_OT_DEV0122

Run On: 21 Sep 2016 at: 16:35:19

Study Year
1998

PIN
041140032

Multi-NAIC
Y

Multiple Activities
Y

Activity ID: 9951 **Multiple PINS:** N

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

Related PINS: 041140032

Name: OXFORD PROPERTIES GROUP

Address: 350 ALBERT STREET, OTTAWA

Facility Type: General Administrative Services

Comments 1:

Comments 2:

Generator Number: ON1280728

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2003 PID

NAICS **SIC**

911910 0

Company Name

OXFORD PROPERTIES GROUP

Year of Operation

c. 2003

Mandy Witteman

From: Public Information Services <publicinformationsservices@tssa.org>
Sent: March-28-19 1:40 PM
To: Mandy Witteman
Subject: Re: Search Records Request (PE4581) (No Record)

Hello,

Thank you for your inquiry.

We have no record in our database of any fuel storage tanks at the subject address (addresses).

For a further search in our archives please complete our release of public information form found at https://www.tssa.org/en/about-tssa/release-of-public-information.aspx?_mid_=392 and email the completed form to publicinformationsservices@tssa.org or through mail along with a fee of \$56.50 (including HST) per location. The fee is payable with credit card (Visa or MasterCard) or with a Cheque made payable to TSSA.

Although TSSA believes the information provided pursuant to your request is accurate, please note that TSSA does not warrant this information in any way whatsoever.

Thank you and have a great day,

Roxana



Roxana Mashtaler | Public Information Agent

Facilities

345 Carlingview Drive

Toronto, Ontario M9W 6N9

Tel: +1-416-734-3472 | Fax: +1-416-231-6183 | E-Mail: rmashtaler@tssa.org

www.tssa.org



From: Mandy Witteman <MWitteman@Patersongroup.ca>
Sent: March 28, 2019 11:21 AM
To: Public Information Services <publicinformationsservices@tssa.org>
Subject: Search Records Request (PE4581)

Good Morning,

Could you please complete a search of your records for **underground/aboveground storage tanks, historical spills or other incidents/infractions** for the following addresses in Ottawa, ON:

Albert St: 400, 388, 408, 414, 440

Slater St: 360, 368, 400

Lyon Street: 160, 156,

Thank you very much!

Cheers,

Mandy Witteman

patersongroup
Solution Oriented Engineering

154 Colonnade Road South
Ottawa - Ontario - K2E 7J5
Tel: (613) 226-7381
Fax: (613) 226-6344
Cell: (403)-921-1157
Email: mwitteman@patersongroup.ca

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

Well ID Number: 7208755
Well Audit Number: Z147171
Well Tag Number: A150085

This table contains information from the original well record and any subsequent updates.

Well Location

Address of Well Location	280 QUEEN ST.
Township	NEPEAN TOWNSHIP
Lot	
Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	Ottawa
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18
	Easting: 445016.00
	Northing: 5029812.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
BRWN	FILL	GRVL	LOOS	0 m	1.5 m
BRWN	SAND	TILL	LOOS	1.5 m	2.74 m
	ROCK			2.74 m	6.4 m

Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed
0 m	.31 m	FLUSHMOUNT/ CONCRETE	
.31 m	3.35 m	BENSEAL	
3.35 m	6.4 m	SAND	

Method of Construction & Well Use

Method of Construction	Well Use
Direct Push	Monitoring and Test Hole

Status of Well

Monitoring and Test Hole

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
4.03 cm	PLASTIC	0 m	3.35 m

Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To
4.82 cm	PLASTIC	3.35 m	6.4 m

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7241

Results of Well Yield Testing

After test of well yield, water was
If pumping discontinued, give reason
Pump intake set at
Pumping Rate
Duration of Pumping
Final water level
If flowing give rate
Recommended pump depth
Recommended pump rate
Well Production
Disinfected?

Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
45		45	
50		50	
60		60	

Water Details

Water Found at Depth	Kind
----------------------	------

Hole Diameter

Depth From	Depth To	Diameter
0 m	2.74 m	10 cm
2.74 m	6.4 m	8 cm

Audit Number: Z147171

Date Well Completed: August 20, 2013

Date Well Record Received by MOE: October 02, 2013

Well ID Number: 7242293
Well Audit Number: C22608
Well Tag Number: A153994

This table contains information from the original well record and any subsequent updates.

Well Location

Address of Well Location	
Township	NEPEAN TOWNSHIP
Lot	
Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18
	Easting: 444856.00 Northing: 5029655.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
----------------	----------------------	-----------------	---------------------	------------	----------

Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed
------------	----------	--	---------------

Method of Construction & Well Use

Method of Construction	Well Use
------------------------	----------

Status of Well

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
-----------------	-----------------------	------------	----------

Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To
------------------	----------	------------	----------

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 1844

Results of Well Yield Testing

After test of well yield, water was
If pumping discontinued, give reason
Pump intake set at
Pumping Rate
Duration of Pumping
Final water level
If flowing give rate
Recommended pump depth
Recommended pump rate
Well Production
Disinfected?

Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
45		45	
50		50	
60		60	

Water Details

Water Found at Depth	Kind
----------------------	------

Hole Diameter

Depth From	Depth To	Diameter
------------	----------	----------

Audit Number: C22608

Date Well Completed: December 06, 2013

Date Well Record Received by MOE: June 01, 2015

Updated: March 7, 2019

Rate [Rate](#)

Share [facebook](#) [twitter](#) [Print](#)

Tags

- [Environment and energy.](#)
- [Drinking water](#)

Well ID Number: 7292920
Well Audit Number: Z206419
Well Tag Number: A182730

This table contains information from the original well record and any subsequent updates.

Well Location

Address of Well Location	555 LAURIER ST. WEST
Township	OTTAWA CITY
Lot	
Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	OTTAWA
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18
	Easting: 444662.00
	Northing: 5029360.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
BRWN	LOAM		SOFT	0 ft	.91 ft
GREY	LMSN		LYRD	.91 ft	12.19 ft

Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed
0 ft	.31 ft	CONCRETE / FLUSHMOUNT	
.31 ft	8.84 ft	BENTONITE	
8.84 ft	12.19 ft	FILTER SAND	

Method of Construction & Well Use

Method of Construction	Well Use
Air Percussion	Monitoring Test Hole

Status of Well

Monitoring and Test Hole

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
4.03 inch	PLASTIC	0 ft	9.14 ft

Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To
4.82 inch	PLASTIC	9.4 ft	12.19 ft

Well Contractor and Well Technician Information

Results of Well Yield Testing

After test of well yield, water was
If pumping discontinued, give reason
Pump intake set at
Pumping Rate
Duration of Pumping
Final water level
If flowing give rate
Recommended pump depth
Recommended pump rate
Well Production
Disinfected?

Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
45		45	
50		50	
60		60	

Water Details

Water Found at Depth	Kind
----------------------	------

Hole Diameter

Depth From	Depth To	Diameter
0 ft	1.22 ft	11.43 inch
1.22 ft	12.19 ft	7.62 inch

Audit Number: Z206419

Date Well Completed: July 11, 2017

Date Well Record Received by MOE: August 18, 2017

Updated: March 7, 2019

Rate [Rate](#)

Share [facebook](#) [twitter](#) [Print](#)

Well ID Number: 7292921
Well Audit Number: Z206420
Well Tag Number: A189864

This table contains information from the original well record and any subsequent updates.

Well Location

Address of Well Location	555 LAURIER AVE. WEST
Township	OTTAWA CITY
Lot	
Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	OTTAWA
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18
	Easting: 444624.00
	Northing: 5029340.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
BLCK	GRVL		DNSE	0 m	.31 m
BRWN	SAND	STNS	DNSE	.31 m	1.22 m
GREY	LMSN		LYRD	1.22 m	12.19 m

Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed
0 m	.31 m	CONCRETE / FLUSHMOUNT	
.31 m	8.84 m	BENTONITE	
8.84 m	12.19 m	FILTER SAND	

Method of Construction & Well Use

Method of Construction	Well Use
Air Percussion	Test Hole

Status of Well

Monitoring and Test Hole

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
4.03 cm	PLASTIC	0 m	9.14 m

Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To
4.82 cm	PLASTIC	9.14 m	12.19 m

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7241

Results of Well Yield Testing

After test of well yield, water was
If pumping discontinued, give reason
Pump intake set at
Pumping Rate
Duration of Pumping
Final water level
If flowing give rate
Recommended pump depth
Recommended pump rate
Well Production
Disinfected?

Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
45		45	
50		50	
60		60	

Water Details

Water Found at Depth	Kind
----------------------	------

Hole Diameter

Depth From	Depth To	Diameter
0 m	2.13 m	11.43 cm
2.13 m	12.19 m	7.62 cm

Audit Number: Z206420

Date Well Completed: July 11, 2017

Date Well Record Received by MOE: August 18, 2017

Well ID Number: 7292922
Well Audit Number: Z206421
Well Tag Number: A182729

This table contains information from the original well record and any subsequent updates.

Well Location

Address of Well Location	555 LAURIER AVE. WEST
Township	OTTAWA CITY
Lot	
Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	OTTAWA
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18
	Easting: 444693.00
	Northing: 5029379.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
BLCK	GRVL		DNSE	0 m	.31 m
BRWN	SAND		DNSE	.31 m	2.44 m
GREY	LMSN		LYRD	2.44 m	15.24 m

Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed
0 m	.31 m	CONCRETE	
.31 m	11.88 m	BENTONITE	
11.88 m	15.24 m	FILTER SAND	

Method of Construction & Well Use

Method of Construction	Well Use
Air Percussion	Test Hole

Status of Well

Observation Wells

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
4.03 cm	PLASTIC	0 m	12.19 m

Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To
4.82 cm	PLASTIC	12.19 m	15.24 m

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7241

Results of Well Yield Testing

After test of well yield, water was
If pumping discontinued, give reason
Pump intake set at
Pumping Rate
Duration of Pumping
Final water level
If flowing give rate
Recommended pump depth
Recommended pump rate
Well Production
Disinfected?

Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
45		45	
50		50	
60		60	

Water Details

Water Found at Depth	Kind
----------------------	------

Hole Diameter

Depth From	Depth To	Diameter
0 m	3.1 m	11.43 cm
3.1 m	15.24 m	7.62 cm

Audit Number: Z206421

Date Well Completed: July 11, 2017

Date Well Record Received by MOE: August 18, 2017

Well ID Number: 7208756
Well Audit Number: Z151177
Well Tag Number: A150088

This table contains information from the original well record and any subsequent updates.

Well Location

Address of Well Location	280 QUEEN ST.
Township	NEPEAN TOWNSHIP
Lot	
Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	Ottawa
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18
	Easting: 445016.00
	Northing: 5029812.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
BRWN	FILL	GRVL	LOOS	0 m	1.5 m
BRWN	SAND	TILL	LOOS	1.5 m	3.35 m
	ROCK			3.35 m	7.93 m

Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed
0 m	.31 m	FLUSHMOUNT/ CONCRETE	
.31 m	4.88 m	BENSEAL	
4.88 m	7.93 m	SAND	

Method of Construction & Well Use

Method of Construction	Well Use
Direct Push	Monitoring and Test Hole

Status of Well

Monitoring and Test Hole

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
4.03 cm	PLASTIC	0 m	4.88 m

Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To
4.82 cm	PLASTIC	4.88 m	7.93 m

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7241

Results of Well Yield Testing

After test of well yield, water was
If pumping discontinued, give reason
Pump intake set at
Pumping Rate
Duration of Pumping
Final water level
If flowing give rate
Recommended pump depth
Recommended pump rate
Well Production
Disinfected?

Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
45		45	
50		50	
60		60	

Water Details

Water Found at Depth	Kind
----------------------	------

Hole Diameter

Depth From	Depth To	Diameter
0 m	3.35 m	10 cm
3.35 m	7.93 m	8 cm

Audit Number: Z151177

Date Well Completed: August 21, 2013

Date Well Record Received by MOE: October 02, 2013

Well ID Number: 7208757
Well Audit Number: Z151179
Well Tag Number: A150089

This table contains information from the original well record and any subsequent updates.

Well Location

Address of Well Location	280 QUEEN ST.
Township	NEPEAN TOWNSHIP
Lot	
Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	Ottawa
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18
	Easting: 445016.00
	Northing: 5029812.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
BRWN	FILL	GRVL	LOOS	0 m	1.5 m
BRWN	SAND	TILL	LOOS	1.5 m	3.1 m
BRWN	TILL	SHLE	LOOS	3.1 m	3.96 m
	ROCK			3.96 m	7.93 m

Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed
0 m	.31 m	FLUSHMOUNT/ CONCRETE	
.31 m	4.88 m	BENSEAL	
4.88 m	7.93 m	SAND	

Method of Construction & Well Use

Method of Construction	Well Use
Direct Push	Monitoring and Test Hole

Status of Well

Monitoring and Test Hole

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
4.03 cm	PLASTIC	0 m	4.88 m

Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To
4.82 cm	PLASTIC	4.88 m	7.93 m

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7241

Results of Well Yield Testing

After test of well yield, water was
If pumping discontinued, give reason
Pump intake set at
Pumping Rate
Duration of Pumping
Final water level
If flowing give rate
Recommended pump depth
Recommended pump rate
Well Production
Disinfected?

Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
45		45	
50		50	
60		60	

Water Details

Water Found at Depth	Kind
----------------------	------

Hole Diameter

Depth From	Depth To	Diameter
0 m	3.96 m	10 cm
3.93 m	7.93 m	8 cm

Audit Number: Z151179

Date Well Completed: August 21, 2013

Date Well Record Received by MOE: October 02, 2013

Well ID Number: 7208758
Well Audit Number: Z151178
Well Tag Number: A150090

This table contains information from the original well record and any subsequent updates.

Well Location

Address of Well Location	280 QUEEN ST.
Township	NEPEAN TOWNSHIP
Lot	
Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	OTTAWA
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18
	Easting: 445016.00
	Northing: 5029812.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
BRWN	FILL	GRVL	LOOS	0 m	1.5 m
BRWN	SAND	TILL	LOOS	1.5 m	3.1 m
	ROCK			3.1 m	7.93 m

Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed
0 m	.31 m	FLUSHMOUNT/ CONCRETE	
.31 m	4.88 m	BENSEAL	
4.88 m	7.93 m	SAND	

Method of Construction & Well Use

Method of Construction	Well Use
Direct Push	Monitoring and Test Hole

Status of Well

Monitoring and Test Hole

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
4.03 cm	PLASTIC	0 m	4.88 m

Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To
4.82 cm	PLASTIC	4.88 m	7.93 m

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7241

Results of Well Yield Testing

After test of well yield, water was
If pumping discontinued, give reason
Pump intake set at
Pumping Rate
Duration of Pumping
Final water level
If flowing give rate
Recommended pump depth
Recommended pump rate
Well Production
Disinfected?

Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
45		45	
50		50	
60		60	

Water Details

Water Found at Depth	Kind
----------------------	------

Hole Diameter

Depth From	Depth To	Diameter
0 m	3.1 m	10 cm
3.1 m	7.93 m	8 cm

Audit Number: Z151178

Date Well Completed: August 21, 2013

Date Well Record Received by MOE: October 02, 2013

Well ID Number: 7208759
Well Audit Number: Z147170
Well Tag Number: A150091

This table contains information from the original well record and any subsequent updates.

Well Location

Address of Well Location	280 QUEEN ST.
Township	NEPEAN TOWNSHIP
Lot	
Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	Ottawa
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18
	Easting: 445016.00
	Northing: 5029812.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
BRWN	FILL	GRVL	LOOS	0 m	1.5 m
BRWN	SAND	TILL	LOOS	1.5 m	3.35 m
	ROCK			3.35 m	7.01 m

Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed
0 m	.31 m	FLUSHMOUNT/ CONCRETE	
.31 m	3.96 m	BENSEAL	
3.96 m	7.01 m	SAND	

Method of Construction & Well Use

Method of Construction	Well Use
Direct Push	Monitoring and Test Hole

Status of Well

Monitoring and Test Hole

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
4.03 cm	PLASTIC	0 m	3.96 m

Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To
4.82 cm	PLASTIC	3.96 m	7.01 m

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7241

Results of Well Yield Testing

After test of well yield, water was
If pumping discontinued, give reason
Pump intake set at
Pumping Rate
Duration of Pumping
Final water level
If flowing give rate
Recommended pump depth
Recommended pump rate
Well Production
Disinfected?

Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
45		45	
50		50	
60		60	

Water Details

Water Found at Depth	Kind
----------------------	------

Hole Diameter

Depth From	Depth To	Diameter
0 m	3.96 m	10 cm
3.96 m	7.01 m	8 cm

Audit Number: Z147170

Date Well Completed: August 20, 2013

Date Well Record Received by MOE: October 02, 2013

Well ID Number: 7211954
Well Audit Number: Z168851
Well Tag Number: A113483

This table contains information from the original well record and any subsequent updates.

Well Location

Address of Well Location	LYON & QUEEN ST
Township	OTTAWA CITY
Lot	
Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	OTTAWA
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18
	Easting: 444838.00
	Northing: 5029694.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
BRWN	GRVL	SOFT	DRY	0 m	2.44 m
BRWN	SAND	SILT	SOFT	2.44 m	3.35 m
GREY	LMSN	SHLE	SOFT	3.35 m	7.93 m

Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed
0 m	.31 m	CONCRETE	
.31 m	4.57 m	HOLEPLUG	
4.57 m	7.93 m	SAND	

Method of Construction & Well Use

Method of Construction	Well Use
Air Percussion	Monitoring and Test Hole

Status of Well

Monitoring and Test Hole

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
4.03 cm	PLASTIC	0 m	4.88 m

Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To
4.82 cm	PLASTIC	4.88 m	7.93 m

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7241

Results of Well Yield Testing

After test of well yield, water was
If pumping discontinued, give reason
Pump intake set at
Pumping Rate
Duration of Pumping
Final water level
If flowing give rate
Recommended pump depth
Recommended pump rate
Well Production
Disinfected?

Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
45		45	
50		50	
60		60	

Water Details

Water Found at Depth	Kind
----------------------	------

Hole Diameter

Depth From	Depth To	Diameter
0 m	3.96 m	11.43 cm
3.96 m	7.93 m	8 cm

Audit Number: Z168851

Date Well Completed: October 26, 2013

Date Well Record Received by MOE: November 28, 2013

Well ID Number: 7211955
Well Audit Number: Z168852
Well Tag Number: A092342

This table contains information from the original well record and any subsequent updates.

Well Location

Address of Well Location	LYON ST & QUEEN
Township	OTTAWA CITY
Lot	
Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	OTTAWA
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18
	Easting: 444840.00
	Northing: 5029724.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
BRWN	GRVL	HARD	DRY	0 m	1.83 m
BRWN	SAND	SILT	SOFT	1.83 m	3.35 m
GREY	LMSN	SHLE	SOFT	3.35 m	7.93 m

Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed
0 m	.31 m	CONCRETE	
.31 m	4.57 m	HOLEPLUG	
4.57 m	7.93 m	SAND	

Method of Construction & Well Use

Method of Construction	Well Use
Air Percussion	Monitoring and Test Hole

Status of Well

Monitoring and Test Hole

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
4.03 cm	PLASTIC	0 m	4.88 m

Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To
4.82 cm	PLASTIC	4.88 m	7.93 m

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7241

Results of Well Yield Testing

After test of well yield, water was
If pumping discontinued, give reason
Pump intake set at
Pumping Rate
Duration of Pumping
Final water level
If flowing give rate
Recommended pump depth
Recommended pump rate
Well Production
Disinfected?

Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
45		45	
50		50	
60		60	

Water Details

Water Found at Depth	Kind
----------------------	------

Hole Diameter

Depth From	Depth To	Diameter
0 m	3.96 m	11.43 cm
3.96 m	7.93 m	8 cm

Audit Number: Z168852

Date Well Completed: October 20, 2013

Date Well Record Received by MOE: November 28, 2013



A038552

Regulation 903 Ontario Water Resources Act

Page 1 of 1

Audit No. M 00089	Well Contractor No.
Date Received (yyyy/mm/dd) AUG 11 2008	Date of Inspection (yyyy/mm/dd)
Remarks	



Well T.	A 038552	nt Well Tag No.)
	A 038552	

Cluster Well Information for Cluster Well Construction
Regulation 903 Ontario Water Resources Act

First Name	Last Name	Mailing Address (Street No./Name, RR)	Municipality
Public Works + Government Services Canada (Trow Associates)		154 Colonnade Road South	Ottawa
Province	Postal Code	E-mail Address	Telephone No. (Inc. area code)
Ontario	K2E7T5		

Address of Well Location (Street Number/Name, RR) 390 Wellington Street		Lot	Concession	Township Ottawa	County/District/Municipality	
City/Town/Village Ottawa	Province Ontario	Postal Code	GPS Unit Make Magellan	Model Sportrac	Unit Mode of Operation ☐ Undifferentiated ☒ Averaged	☐ Differentiated, specify:

Consent to release additional information to the Director upon request

Signature of Technician/Contractor	Date (yyyy/mm/dd)
------------------------------------	-------------------

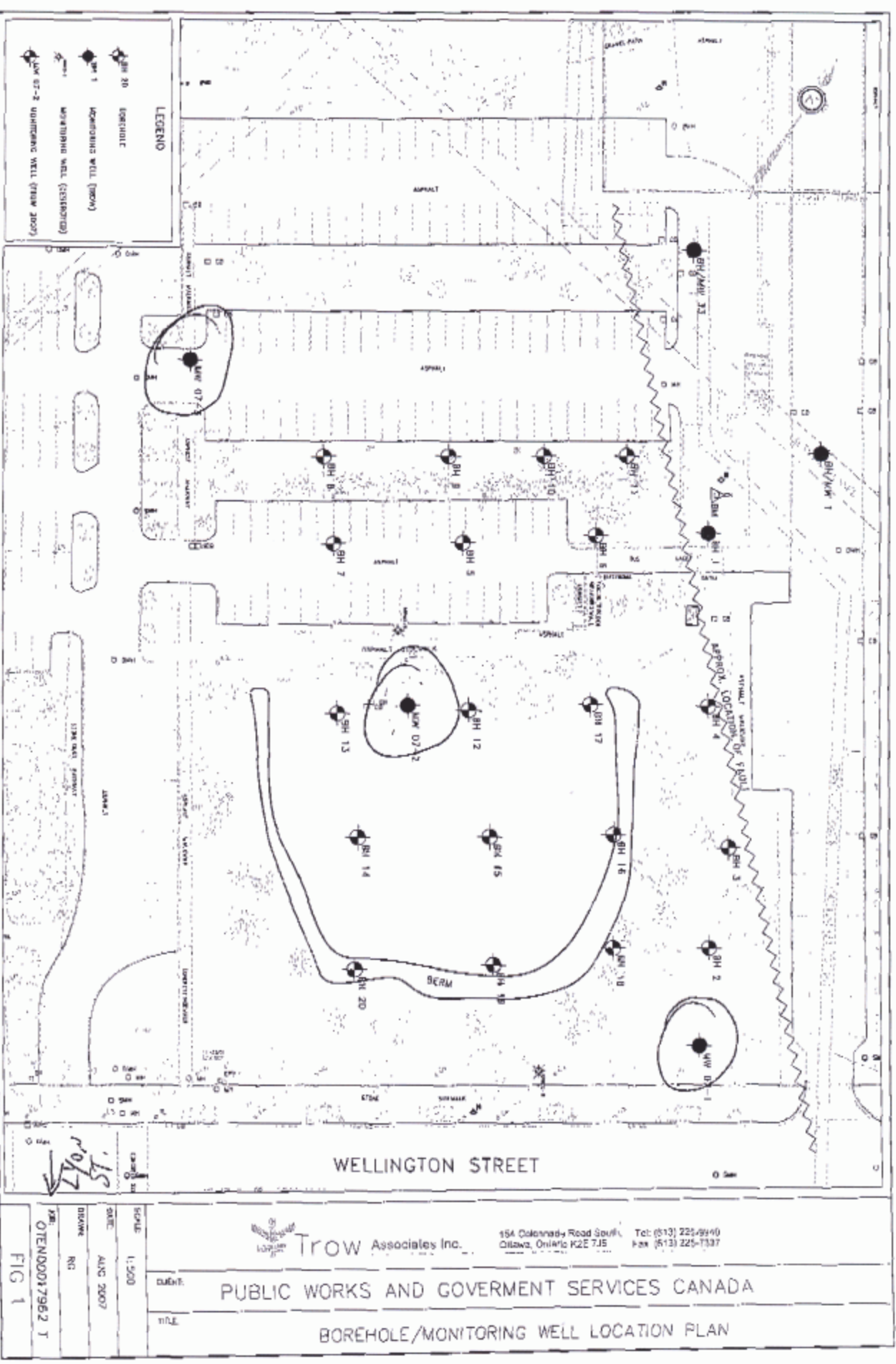
2007/09/19

[illegible]

Business Name of Well Contractor George Downing Estate Drilling Ltd.		Business Address (Street Number/Name, RR) 410 Rue Principale		Municipality Grenville Sur La Rouse	Province QC
Postal Code J0V 1B0	Business Telephone No. (inc. area code) 819 242 6469	Well Contractor's Licence No. 1844	Business E-mail Address downingdrilling@bellnet.ca		
Name of Well Technician (First Name, Last Name) Bruce Downing		Well Technician's Licence No. 2173	Date Submitted (yyyy/mm/dd) 2007/09/19	Signature of Technician <i>Bruce Downing</i>	

Date 1st Well in Cluster Constructed (yyyy/mm/dd) 2007/07/18	Date Last Well in Cluster Constructed (yyyy/mm/dd) 2007/07/19
--	---

Date Received (yyyy/mm/dd) AUG 11 2008	Date Inspected (yyyy/mm/dd)
Audit No. C 00037	Remarks M00089



M00089 C-18447
 AUG 11 2008
 C 00037

Master Well Owner's and Land Owner's Information

First Name Shell Canada Products	Last Name	E-mail Address
Mailing Address (Street Number/Name, RR) 90 Sheppard Ave East Suite 600 Toronto	Municipality ON	Province ON
Postal Code M2N 6Y2	Telephone No. (inc. area code) 416 227 7111	

Location and Construction of the Master Well in the Cluster

Address of Well Location (Street Number/Name, RR) 154 O'Connor Street	Township	Lot	Concession
County/District/Municipality	City/Town/Village Ottawa	Province Ontario	Postal Code

UTM Coordinates NAD 83 18 44 50 63 50 29 67	Zone 18	Easting 44 50 63	Northing 50 29 67	GPS Unit Make Garmin	Model Etrex	Mode of Operation: ☐ Undifferentiated ☒ Averaged ☐ Differentiated, specify
--	-------------------	----------------------------	-----------------------------	--------------------------------	-----------------------	---

Overburden and Bedrock Materials (see instructions on the back of this form)

General Colour	Most Common Material	Other Materials	General Description	Depth (Metres) From To
			Mw 5 and Mw 10 abandoned under Tag A074637 (Mw #10)	
			Remove casing + screen; back fill borehole from 6.7 m below surface to surface with aquaguard cement as per ONT MOE Reg 903	
			Tag remains affixed to Mw #9.	

Hole Details

Depth (Metres) From To	Diameter (Centimetres)
0 6.7	20/10

Water Use

☐ Public	☐ Industrial	☐ Not used	☐ Other, specify
☐ Domestic	☐ Commercial	☐ Dewatering	
☐ Livestock	☐ Municipal	☐ Monitoring	
☐ Irrigation	☐ Test Hole	☐ Cooling & Air Conditioning	

Method of Construction

☐ Cable Tool	☐ Air Percussion	☐ Digging
☐ Rotary (Conventional)	☐ Diamond	☐ Boring
☐ Rotary (Reverse)	☐ Jetting	☐ Other, specify
☐ Rotary (Air)	☐ Driving	

Status of Well

☐ Test Hole	☐ Abandoned, Insufficient Supply
☐ Replacement Well	☐ Abandoned, Poor Water Quality
☐ Dewatering Well	☐ Other, specify
☐ Alteration (Construction)	☒ Abandoned, other, specify M.W.

No Casing and Screen Used

Open Hole	☐ Yes ☒ No	Metres
-----------	---	--------

Static Water Level Test

Screen	☐ Galvanized ☐ Steel ☐ Fibreglass ☐ Concrete ☐ Plastic
Outside Diameter (Centimetres)	Slot No.

Water Details

Water found at Depth Metres	Kind of Water ☐ Gas ☐ Fresh ☐ Salty ☐ Sulphur ☐ Minerals
Water found at Depth Metres	Kind of Water ☐ Gas ☐ Fresh ☐ Salty ☐ Sulphur ☐ Minerals
Water found at Depth Metres	Kind of Water ☐ Gas ☐ Fresh ☐ Salty ☐ Sulphur ☐ Minerals

Disinfected ☐ Yes ☒ No	If no, provide reason:	Date Master Well Completed (yyyy/mm/dd) 2009/11/09
---	------------------------	--

Cluster Information (Please also fill out the additional Cluster Well Information for Well Construction for each parcel of land and cluster.)

Total Wells in Cluster 2	Please indicate Number of Cluster Well Information Log Sheets Submitted 1
Total Wells on this Property unknown	

Location of Well Cluster

Detailed Map must be provided as an attachment no larger than legal size (8.5" x 14"). Sketches are not allowed.
☒ Check box to confirm detailed map is provided as per Section 11.1 (3)

Consent to release additional information concerning the cluster to the Director

--

Construction Details

Inside Diameter (Centimetres)	Material (steel, plastic, fibreglass, concrete, galvanized)	Wall Thickness	Depth (Metres) From To

Annular Space/Abandonment Sealing Record

Depth Set at (Metres) From To	Type of Sealant Used (Material and Type)	Volume Used (Cubic Metres)
0 6.7	Bibblicate Aquaguard Cement	40 Kgs

Well Contractor and Well Technician Information

Business Name of Well Contractor George Downing Estate Drilling Ltd	Well Contractor's Licence No. 1181414
Business Address (Street No./Name, number, RR) 410 Rue Principale Grenville Sur La Ronge	Municipality
Province QC	Postal Code J0V1B0
Business E-mail Address downing@hawk.iqs.net	
Bus. Telephone No. (inc. area code) 819 242 6469	Name of Well Technician (Last Name, First Name) Downing, Bruce
Well Technician's Licence No.	Signature of Technician B. Downing
Date Submitted (yyyy/mm/dd) 2009/12/01	

Ministry Use Only

Audit No. M 05531	Well Contractor No.
Date Received (yyyy/mm/dd) JAN 07 2010	Date of Inspection (yyyy/mm/dd)
Remarks	



Well Tag No. for Master Well (Print Well Tag No.)
2 M.W. abandonments under
Tag A074637 (5 remaining wells)

Cluster Well Information for Cluster Well Construction

Regulation 903 Ontario Water Resources Act

Page 1 of 1

Property Owner's Information

First Name Shell Canada Products		Last Name		Mailing Address (Street No./Name, RR) 90 Sheppard Ave. East Suite 600		Municipality Toronto	
Province ON		Postal Code M2N 6Y2		E-mail Address		Telephone No. (inc. area code) 416 227 7111	

Cluster Well Information

Address of Well Location (Street Number/Name, RR) 154 O'Connor Street			Lot	Concession	Township	County/District/Municipality	
City/Town/Village Ottawa	Province Ontario	Postal Code		GPS Unit Make Garmin	Model Etrex	Unit Mode of Operation ☐ Undifferentiated ☒ Averaged	☐ Differentiated, specify:

Signature of Technician/Contractor	Date (yyyy/mm/dd)
	2009/12/01

[illegible]

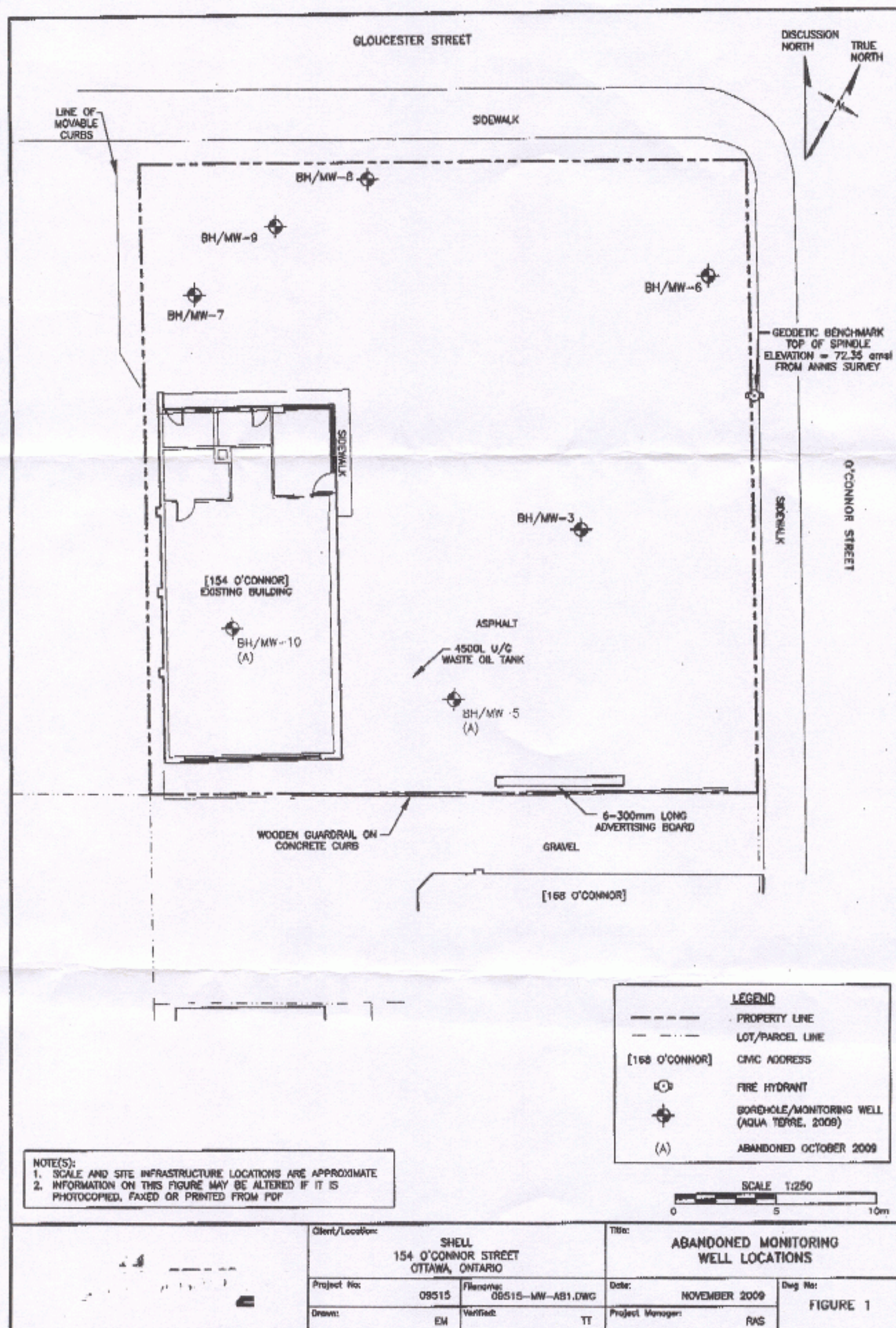
Well Contractor and Well Technician Information

Business Name of Well Contractor George Downing Estate Drilling Ltd.		Business Address (Street Number/Name, RR) 410 Rue Principale Grenville Sur La Rouge		Municipality GRC.	Province QC.
Postal Code J0V 1B0	Business Telephone No. (inc. area code) 819 242 6469	Well Contractor's Licence No. 18 44	Business E-mail Address downing@hawk.igs.net		
Name of Well Technician (First Name, Last Name) Bruce Downing		Well Technician's Licence No. 21 73	Date Submitted (yyyy/mm/dd) 2009/12/01	Signature of Technician <i>Bruce Downing</i>	

Date 1st Well in Cluster Constructed (yyyy/mm/dd) 2009/11/09	Date Last Well in Cluster Constructed (yyyy/mm/dd) 2009/11/09
--	---

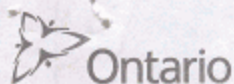
Ministry Use Only	
-------------------	--

Date Received (yyyy/mm/dd) JAN 07 2010	Date Inspected (yyyy/mm/dd)
Audit No. c 06149	Remarks mo5531



C-1844
moss31
C06149

JAN 07 2010

Ministry of
the Environment

Well Tag No. (Place Sticker and/or Print Below)

A097302

A 097302

Well Record

Regulation 903 Ontario Water Resources Act

Measurements recorded in: ☐ Metric ☐ Imperial

Page 1 of 3

Well Owner's Information

First Name	Last Name / Organization Public Works Canada	E-mail Address	☐ Well Constructed by Well Owner
Mailing Address (Street Number/Name)	Municipality Ottawa	Province ON	Postal Code
		Telephone No. (inc. area code)	

Well Location

Address of Well Location (Street Number/Name) 384 Wellington St.	Township	Lot	Concession
County/District/Municipality	City/Town/Village Ottawa	Province Ontario	Postal Code
UTM Coordinates NAD 83	Zone 18	Easting 444637	Northing 5029763
Municipal Plan and Sublot Number		Other	

Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	To
BRN	Topsoil		soft, dry	0	.31
BRN	sand		soft, dry	.31	2.13
GRY	shale		hard	2.13	10.05

Annular Space		
Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)
0	.31	Concrete/Flushmount
.31	6.7	ben seal
6.7	10.05	filter sand

Method of Construction		Well Use		
☐ Cable Tool	☐ Diamond	☐ Public	☐ Commercial	☐ Not used
☐ Rotary (Conventional)	☐ Jetting	☐ Domestic	☐ Municipal	☐ Dewatering
☐ Rotary (Reverse)	☐ Driving	☐ Livestock	☒ Test Hole	☐ Monitoring
☐ Boring	☐ Digging	☐ Irrigation	☐ Cooling & Air Conditioning	
☒ Air percussion		☐ Industrial		
☐ Other, specify		☐ Other, specify		

Construction Record - Casing				Status of Well	
Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	To	
7.45	PVC	.356	0	7.01	☐ Water Supply
					☐ Replacement Well
					☒ Test Hole
					☐ Recharge Well
					☐ Dewatering Well
					☒ Observation and/or Monitoring Hole
					☐ Alteration (Construction)
					☐ Abandoned, Insufficient Supply
					☐ Abandoned, Poor Water Quality
					☐ Abandoned, other, specify
					☐ Other, specify

Construction Record - Screen				Status of Well	
Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	To	
4.21	PVC	10	7.01	10.05	☐ Water Supply
					☐ Replacement Well
					☒ Test Hole
					☐ Recharge Well
					☐ Dewatering Well
					☒ Observation and/or Monitoring Hole
					☐ Alteration (Construction)
					☐ Abandoned, Insufficient Supply
					☐ Abandoned, Poor Water Quality
					☐ Abandoned, other, specify
					☐ Other, specify

Water Details		Hole Diameter		
Water found at Depth (m/ft)	Kind of Water: ☐ Fresh ☐ Untested ☐ Gas ☐ Other, specify	Depth (m/ft) From	To	Diameter (cm/in)
		0	2.13	8.25
		2.13	10.05	5.71

Well Contractor and Well Technician Information			
Business Name of Well Contractor Strata soil Sampling Inc	Well Contractor's Licence No. 712411		
Business Address (Street Number/Name) 147-2 West Beaver Creek Rd	Municipality Richmond Hill		
Province Ontario	Postal Code L4B1C6	Business E-mail Address wrecords@stratasoil.com	
Bus. Telephone No. (inc. area code) 905-764-9304	Name of Well Technician (Last Name, First Name) Muir, Mike		
Well Technician's Licence No. 3448	Signature of Technician and/or Contractor <i>[Signature]</i>	Date Submitted 20101130	

Results of Well Yield Testing

After test of well yield, water was: ☐ Clear and sand free ☐ Other, specify	Draw Down		Recovery	
	Time (min)	Water Level (m/ft)	Time (min)	Water Level (m/ft)
If pumping discontinued, give reason: Static Level	1		1	
	2		2	
	3		3	
	4		4	
	5		5	
	10		10	
If flowing give rate (l/min / GPM)	15		15	
	20		20	
	25		25	
	30		30	
	40		40	
	50		50	
Recommended pump depth (m/ft)	60		60	
Recommended pump rate (l/min / GPM)		Well production (l/min / GPM)		
Disinfected? ☐ Yes ☐ No				

Map of Well Location

Please provide a map below following instructions on the back.

Well owner's information package delivered ☐ Yes ☐ No	Date Package Delivered Y Y Y Y M M D D 20101108	Ministry Use Only Audit No. z113208 Received DEC 08 2010
---	---	--

Measurements recorded in: ☒ Metric ☐ Imperial

A097305 **A 097305**

1979 Page 3 of 3

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	☐ Well Constructed by Well Owner
	City of Ottawa Public Works	Canada	
Mailing Address (Street Number/Name)	Municipality	Province	Postal Code
	Ottawa	ON	
		Telephone No. (inc. area code)	

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
384 Wellington St.			
County/District/Municipality	City/Town/Village	Province	Postal Code
	Ottawa	Ontario	
UTM Coordinates	Zone	Easting	Northing
NAD 83	18	444645	5029725
Municipal Plan and Sublot Number		Other	

Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft)
From	To			From To
GRY	Concrete	gravel	hard	0 .31
GRY	shale		hard	.31 7.62

Annular Space		
Depth Set at (m/ft)	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
From To		
0 .31	Concrete/flushmount	
.31 4.27	benesal	
4.27 7.62	filter sand	

Method of Construction	Well Use
☐ Cable Tool ☐ Rotary (Conventional) ☐ Rotary (Reverse) ☐ Boring ☒ Air percussion ☐ Other, specify	☐ Diamond ☐ Jetting ☐ Driving ☐ Digging ☐ Public ☐ Domestic ☐ Livestock ☐ Irrigation ☐ Industrial ☐ Commercial ☐ Municipal ☒ Test Hole ☐ Cooling & Air Conditioning ☐ Not used ☐ Dewatering ☒ Monitoring

Construction Record - Casing				Status of Well	
Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		
			From To		
3.45	PVC	.356	0 4.57	☐ Water Supply ☐ Replacement Well ☒ Test Hole ☐ Recharge Well ☐ Dewatering Well ☒ Observation and/or Monitoring Hole ☐ Alteration (Construction) ☐ Abandoned, Insufficient Supply ☐ Abandoned, Poor Water Quality ☐ Abandoned, other, specify ☐ Other, specify	

Construction Record - Screen					
Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)		
			From To		
4.21	PVC	10	4.57 7.62		

Water Details		Hole Diameter	
Water found at Depth (m/ft)	Kind of Water: ☐ Fresh ☐ Untested ☐ Gas ☐ Other, specify	Depth (m/ft)	Diameter (cm/in)
		From To	
		0 .31	8.25
		.31 7.62	5.71

Business Name of Well Contractor		Well Contractor's Licence No.	
Strata Soil Sampling Inc		7241	
Business Address (Street Number/Name)		Municipality	
147-2 West Beaver Creek Rd		Richmond Hill	
Province	Postal Code	Business E-mail Address	
Ontario	L4B1C6	Wrecords@stratasoil.com	
Bus. Telephone No. (inc. area code)		Name of Well Technician (Last Name, First Name)	
905-764-9304		Mike Mike	
Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted	
3448	Mike Mike	20101130	

Results of Well Yield Testing			
After test of well yield, water was:		Draw Down	
		Time (min)	Water Level (m/ft)
☐ Clear and sand free			
☐ Other, specify			
If pumping discontinued, give reason:		Static Level	
Pump intake set at (m/ft)		1	1
Pumping rate (l/min / GPM)		2	2
Duration of pumping		3	3
hrs + min		4	4
Final water level end of pumping (m/ft)		5	5
If flowing give rate (l/min / GPM)		10	10
Recommended pump depth (m/ft)		15	15
Recommended pump rate (l/min / GPM)		20	20
Well production (l/min / GPM)		25	25
Disinfected?		30	30
☐ Yes ☐ No		40	40
		50	50
		60	60

Map of Well Location

Please provide a map below following instructions on the back.

Comments:

Well owner's information package delivered	Date Package Delivered	Ministry Use Only
☐ Yes ☐ No	Y Y Y Y M M D D	
Date Work Completed	20101108	Audit No. z113206
		DEC 08 2010

Measurements recorded in: ☐ Metric ☒ Imperial

Page _____ of _____

Well Owner's Information

First Name	Last Name / Organization City of Ottawa	E-mail Address	☐ Well Constructed by Well Owner
Mailing Address (Street Number/Name) 100 Constellation Cres.	Municipality Ottawa	Province Ontario	Postal Code K2G5J9
		Telephone No. (inc. area code) 6135802424	

Well Location

Address of Well Location (Street Number/Name) Queen St (Bronson & Bay)	Township	Lot	Concession
County/District/Municipality Ottawa - Carleton	City/Town/Village Ottawa	Province Ontario	Postal Code K1R5A7
UTM Coordinates NAD 83 184446645029399	Zone	Easting	Northing
Municipal Plan and Sublot Number		Other	

Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	To
			(deep well) Bentonite 0-244	0'	24'4
			(Shallow well) Bentonite 0-16.7	0'	16'7

Annular Space			
Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)

Method of Construction ☐ Cable Tool ☐ Rotary (Conventional) ☐ Rotary (Reverse) ☐ Boring ☐ Air percussion ☐ Other, specify _____	☐ Diamond ☐ Jetting ☐ Driving ☐ Digging ☐ Other, specify _____	Well Use ☐ Public ☐ Domestic ☐ Livestock ☐ Irrigation ☐ Industrial ☐ Other, specify _____	☐ Commercial ☐ Municipal ☐ Test Hole ☐ Cooling & Air Conditioning ☐ Not used ☐ Dewatering ☐ Monitoring
--	---	--	---

Construction Record - Casing				Status of Well	
Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	To	

Construction Record - Screen				Status of Well	
Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	To	

Water Details		Hole Diameter		
Water found at Depth (m/ft)	Kind of Water: ☐ Fresh ☐ Untested ☐ Gas ☐ Other, specify _____	Depth (m/ft) From	To	Diameter (cm/in)
3'8		0'	24'4	1.25"
16'5		0'	16'7	1.25"

Business Name of Well Contractor Marathon Drilling Co Ltd.		Well Contractor's Licence No. 6894	
Business Address (Street Number/Name) 6847 Hiram Dr. Greely		Municipality Greely	
Province Ontario	Postal Code K4P1A2	Business E-mail Address Info@Marathondrilling.com	
Bus. Telephone No. (inc. area code) 6138220571		Name of Well Technician (Last Name, First Name) DuPerron, Jeff	
Well Technician's Licence No. 2833	Signature of Technician and/or Contractor <i>[Signature]</i>		Date Submitted 20160819

Results of Well Yield Testing			
After test of well yield, water was:		Draw Down	
☐ Clear and sand free ☐ Other, specify _____		Time (min)	Water Level (m/ft)
If pumping discontinued, give reason:		Static Level	
Pump intake set at (m/ft)		1	1
Pumping rate (l/min / GPM)		2	2
Duration of pumping ____ hrs + ____ min		3	3
Final water level end of pumping (m/ft)		4	4
If flowing give rate (l/min / GPM)		5	5
Recommended pump depth (m/ft)		10	10
Recommended pump rate (l/min / GPM)		15	15
Well production (l/min / GPM)		20	20
Disinfected? ☐ Yes ☐ No		25	25
		30	30
		40	40
		50	50
		60	60

Map of Well Location

Please provide a map below following instructions on the back.

Comments:
Double well installation

Well owner's information package delivered ☐ Yes ☐ No	Date Package Delivered Y Y Y Y M M D D	Ministry Use Only Audit No. 2221573 SEP 19 2016 Received
Date Work Completed Y Y Y Y M M D D		

Well ID Number: 7211956
Well Audit Number: Z168849
Well Tag Number: A113560

This table contains information from the original well record and any subsequent updates.

Well Location

Address of Well Location	LYON & QUEEN ST
Township	NEPEAN TOWNSHIP
Lot	
Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	OTTAWA
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18
	Easting: 444849.00
	Northing: 5029681.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
BRWN	GRVL	SOFT	DRY	0 m	2.13 m
BRWN	SILT	SAND	SOFT	2.13 m	3.35 m
GREY	LMSN	SHLE	SOFT	3.35 m	7.62 m

Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed
0 m	.31 m	CONCRETE	
.31 m	4.27 m	HOLEPLUG	
4.27 m	7.62 m	SAND	

Method of Construction & Well Use

Method of Construction	Well Use
Air Percussion	Monitoring and Test Hole

Status of Well

Monitoring and Test Hole

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
4.03 cm	PLASTIC	0 m	4.57 m

Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To
4.82 cm	PLASTIC	4.57 m	7.62 m

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7241

Results of Well Yield Testing

After test of well yield, water was
If pumping discontinued, give reason
Pump intake set at
Pumping Rate
Duration of Pumping
Final water level
If flowing give rate
Recommended pump depth
Recommended pump rate
Well Production
Disinfected?

Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
45		45	
50		50	
60		60	

Water Details

Water Found at Depth	Kind
----------------------	------

Hole Diameter

Depth From	Depth To	Diameter
0 m	3.35 m	11.43 cm
3.35 m	7.62 m	8 cm

Audit Number: Z168849

Date Well Completed: October 26, 2013

Date Well Record Received by MOE: November 28, 2013

Well ID Number: 7211974
Well Audit Number: Z168850
Well Tag Number: A150043

This table contains information from the original well record and any subsequent updates.

Well Location

Address of Well Location	LYON & QUEEN
Township	NEPEAN TOWNSHIP
Lot	
Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	OTTAWA
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18
	Easting: 444841.00
	Northing: 5029689.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
BLCK	GRVL	SOFT	DRY	0 m	2.44 m
GREY	SAND	SILT	SOFT	2.44 m	3.96 m

Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed
0 m	.31 m	CONCRETE	
.31 m	1.83 m	HOLEPLUG	
1.83 m	3.96 m	SAND	

Method of Construction & Well Use

Method of Construction	Well Use
Direct Push	Monitoring and Test Hole

Status of Well

Monitoring and Test Hole

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
4.03 cm	PLASTIC	0 m	2.13 m

Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To
4.82 cm	PLASTIC	2.13 m	3.96 m

Well Contractor and Well Technician Information

Results of Well Yield Testing

After test of well yield, water was
If pumping discontinued, give reason
Pump intake set at
Pumping Rate
Duration of Pumping
Final water level
If flowing give rate
Recommended pump depth
Recommended pump rate
Well Production
Disinfected?

Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
45		45	
50		50	
60		60	

Water Details

Water Found at Depth	Kind
----------------------	------

Hole Diameter

Depth From	Depth To	Diameter
0 m	3.96 m	8.25 cm

Audit Number: Z168850

Date Well Completed: October 26, 2013

Date Well Record Received by MOE: November 28, 2013

Updated: March 7, 2019

Rate [Rate](#)

Share [facebook](#) [twitter](#) [Print](#)

APPENDIX 3

QUALIFICATIONS OF ASSESSORS

Geotechnical
Engineering

Environmental
Engineering

Hydrogeology

Geological
Engineering

Materials Testing

Building Science

Archaeological
Services

POSITION

Environmental Engineer

EDUCATION

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

MEMBERSHIPS & AWARDS

Alberta Professional Engineers and Geoscience Association
NSERC Industry R&D Scholarship

EXPERIENCE

2018 – Present

Paterson Group Inc.

Consulting Engineers
Geotechnical and Environmental Division
Environmental Engineer

2014 – 2015

Thurber Engineering Limited

Oil Sand Tailings Group
Tailings Engineer

2014 – 2013

Carleton University

Department of Civil & Environmental Engineering
Research Engineer

2013 - 2009

Carleton University

Department of Civil & Environmental Engineering
Research Assistant and Teachers Assistant

2008 – 2009

SLR Consulting Limited

Contaminated Sites
Junior Environmental Engineer

Geotechnical
Engineering

Environmental
Engineering

Hydrogeology

Geological
Engineering

Materials Testing

Building Science

Archaeological
Services

POSITION

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

EDUCATION

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

MEMBERSHIPS

Ottawa Geotechnical Group
Professional Engineers of Ontario

EXPERIENCE

1991 to Present

Paterson Group Inc.

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

SELECT LIST OF PROJECTS

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