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Phase I-Environmental Site Assessment

1050 and 1060 Bank Street
Ottawa, Ontario

Prepared For

2641723 Ontario Inc.

December 10, 2019

Report: PE4783-1

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TABLE OF CONTENTS

EXECUTIVE SUMMARY ii
Recommendations iii
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 11
5.0 INTERVIEWS 14
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 20
7.1 Land Use History 20
7.2 Conceptual Site Model 24
8.0 CONCLUSIONS 28
8.1 Assessment 28
8.2 Recommendations 29
9.0 STATEMENT OF LIMITATIONS 30
10.0 REFERENCES 31

List of Figures

Figure 1 - Key Plan
Figure 2 - Topographic Map
Drawing PE47831 - Site Plan
Drawing PE47832 - Surrounding Land Use Plan

List of Appendices

Appendix 1 Chain of Title
Survey Plan
Aerial Photographs
Site Photograph

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

Appendix 3 Qualifications of Assessors

EXECUTIVE SUMMARY

Assessment

Paterson Group was retained by 2641723 Ontario Inc. to conduct a Phase I-Environmental Site Assessment (ESA) for the properties addressed 1050 and 1060 Bank Street, in the City of Ottawa, Ontario. It should be noted that in addition to the lands fronting onto Bank Street, the Phase I Property includes a small parcel of land (also addressed 1060 Bank Street) separated from the larger property by an easement approximately 3m in width. The purpose of this Phase I-ESA was to research the past and current use of the Phase I Property and 250m study area and to identify any environmental concerns with the potential to have impacted the Phase I Property.

According to the historical research, the northern portion of the Phase I Property (1050 Bank Street) was developed as early as 1928 with the original portion of the present-day structure, and was operated as a retail fuel outlet and automotive service garage through the late 1970's. The southern portion of the Phase I Property (1060 Bank Street) was developed circa 1947 with the present-day building structure, and had also operated as a retail fuel outlet and automotive service garage or automotive body shop through the late 1970's. Both 1050 and 1060 Bank Street were subsequently occupied by various retail and restaurant establishments. The small parcel of land, west of the adjacent easement, appears to have never been developed.

The former tank nests and pump islands associated with the historical retail fuel outlets are potentially contaminating activities (PCAs) resulting in areas of potential environmental concern (APECs) on the Phase I Property. The former automotive service garages and/or body shop are also PCAs resulting in APECs on the Phase I Property.

The historical use of the neighbouring properties within the Phase I study area, was a combination of residential, commercial (primarily along Bank Street), community and parkland along the Rideau Canal and Brown's Inlet. A former retail fuel outlet and automotive service garage was located at 1063 Bank Street, approximately 20m east of the Phase I Property, across Bank Street. A former dry cleaner was located at 1069 Bank Street, immediately south of 1063 Bank Street, and approximately 20m southeast of the Phase I Property. A second historical drycleaner was located at 1072 Bank Street, approximately 25m south of the Phase I Property, across Euclid Street.

These off-site PCAs are considered to represent APECs on the Phase I Property.

A second retail fuel outlet was identified at 1080 Bank Street, approximately 40m south of the Phase I Property, across Sunnyside Avenue. In 2009, a Record of Site Condition was filed in the MECP Environmental Site Registry (ESR) for this property. Based on the information contained in the ESR, in combination with the separation distance, this property is not considered to represent an APEC on the Phase I Property. Other off-site PCAs identified as part of the historical review are also not considered to represent APECs on the Phase I Property based on their significant separation distances and/or orientations relative to the subject land.

Following the historical research, a site visit was conducted. The Phase I Property is currently occupied by two (2) commercial buildings. The building addressed 1050 Bank Street houses Siam Kitchen restaurant and Boomerang Kids consignment store, while the building addressed 1060 Bank Street houses the Barely Mow restaurant. The remainder of the property is occupied by paved parking areas and a vacant grassed area west of the adjacent easement. No potential environmental concerns were noted with the current use of the Phase I Property.

Neighbouring land use within the Phase I study area remains a combination of residential, community, with primarily commercial land use along Bank Street, and parkland along the Rideau Canal and Brown's Inlet. The commercial property to the east at 1063 Bank Street, remains occupied by the former automotive service garage building, although it is no longer operational. As previously noted, this property is considered to represent an APEC on the Phase I Property. No other off-site PCAs were identified within the Phase I study area at the time of the site visits.

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

Recommendations

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

1.0 INTRODUCTION

At the request of 2641723 Ontario Inc., Paterson Group (Paterson) conducted a Phase I-Environmental Site Assessment (Phase I-ESA) for the properties addressed 1050 and 1060 Bank Street, in the City of Ottawa, Ontario, herein referred to as the Phase I Property. The purpose of this Phase I-ESA was to research the past and current use of the site and study area and to identify any environmental concerns with the potential to have impacted the subject land.

Paterson was engaged to conduct this Phase I-ESA by Mr. Domenic Santaguida with 2641723 Ontario Inc. The head office of 2641723 Ontario Inc. is located at 3625 Rivergate Way, Ottawa. Mr. Santaguida can be reached by telephone at (613) 868-5536.

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

2.0 PHASE I PROPERTY INFORMATION

Address:	1050 and 1060 Bank Street, Ottawa, Ontario
Legal Description:	Part of Lots 2, 3, 4, 5, 6 and 7 of Registered Plan RP101126 and Part of Lot A of Registered Plan RP116274, in the City of Ottawa, Ontario
Property Identification Number:	04143-0673, 04143-0674, 04143-0324, 04143-0676
Location:	The Phase I Property is located on the west side of Bank Street bounded between Alymer Avenue and Euclid Avenue, in the City of Ottawa, Ontario. Refer to Figure 1 - Key Plan in the Figures section following the text.
Latitude and Longitude:	45° 23' 43.16" N, 75° 41' 3.72" W

Site Description:

Configuration:	Irregular
Site Area:	2,115 m^2 (approximately)
Zoning:	TM – Traditional Mainstreet Zone
Current Use:	The Phase I Property is used for commercial purposes: a restaurant and retail store at 1050 Bank Street and a restaurant at 1060 Bank Street.
Services:	The Phase I Property 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 O.Reg. 153/04, as amended, under the Environmental Protection Act and in compliance with the requirements of CSA Z768-01;
- Provide a preliminary environmental site evaluation based on our findings;
- Provide preliminary remediation recommendations and further investigative work if contamination is suspected or encountered.

4.0 RECORDS REVIEW

4.1 General

Phase I-ESA Study Area Determination

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

First Developed Use Determination

Based on the 1928 aerial photograph, the northern portion of the Phase I Property (1050 Bank Street) appears to be developed at this time. The first listing in the city directories for 1050 Bank Street was in 1933, listed as Imperial Oil Service Station, which coincides with the listed owner, Imperial Oil Limited, on the Chain of Title in 1928. For the purpose of this report, the Phase I Property is considered to have been first developed circa 1928 for commercial purposes.

National Archives

The 1912 and 1956 Fire Insurance Plans (FIPs) for the Phase I Property and lands within the Phase I Study Area were reviewed as part of this assessment.

The 1912 FIPs depicts the Phase I Property as vacant land while the 1956 FIP depicts the Phase I Property as occupied by two (2) gasoline service stations otherwise referred to retail fuel outlets (RFOs), each with 3 underground storage tanks (USTs) and an automotive garage. The former pump islands, USTs and automotive service garages at both 1050 and 1060 Bank Street are potentially contaminating activities (PCAs) that result in areas of potential environmental concern (APECs) on the Phase I Property.

Neighbouring properties in the 1912 FIPs are shown as residential with some community buildings (school, library) with very little commercial development along Bank Street, while the 1956 FIPs depict dense residential development in the surrounding area with commercial development along Bank Street. During the FIP review, a retail fuel outlet and automotive service garage and a drycleaner were identifed at 1080 Bank Street and 1103 Bank Street, approximately 48m and 117m south of the site, respectively. Based on the separation distances of these PCAs, they are not considered to generate APECs on the Phase I Property.

City directories were reviewed for the Phase I Property and surrounding properties within the 250m study area, from 1927 to 2011 at approximately 10-year intervals. It should be noted that Ottawa directories were not available for the Phase I Property in or prior to 1927.

According to the city directories, the Phase I Property was listed as various service stations, automotive garages and a body shop from 1933 to 1970s. Subsequently from 1981 to 2011, the Phase I Property was listed under various commercial business (retailers and restaurants). The activities listed in the directories for the Phase I Property are summarized in Table 1.

TABLE 1: Phase I Property
City Directories Review Summary

Address	Listed Activity	Years Listed	Potentially Contaminating Activity
Bank Street			
1050	Various RFOs Automotive service centre/garage	1933-1970 1970s	Yes
1050/1052	Automotive repair garage	1954-1961	Yes
1060	Various RFOs Automotive body shop	1947-1970 1970s	Yes
1050	Torino's Pizza & Subs	1980s	No
1052	Sunnyside Travel Agency	1980s	No
1054	Video Palace	1980s	No
1060	Wizards Eatery & Pub	1980s	No
1050	Siam Kitchen	1992-2011	No
1054-1056	Various retailers (Boomerang Kids, Focus Scientific Chiang Computers)	1992-2011	No
1060	Zugg Restaurant	1992	No
1060	Barley Mows	2000-2011	No

The on-site PCAs from the early 1930s to late 1970s represent APECs on the Phase I Property.

Neighbouring properties in the Phase I Study Area were listed primarily commercial along Bank Street and residential on the adjacent streets off Bank Street. Based on the city directories review, several off-site PCAs were identified within the Phase I Study Area, which included several retail fuel outlets, automotive service garages, and drycleaners, as presented in Table 2.

TABLE 2: Potentially Contaminating Activities
City Directories Review Summary

Address	Listed Activity	Years Listed	Approximate Distance / Orientation from Site
Bank Street			
1063	Automotive service garage RFO	1947-2011 1947-2000	33m East
1069	Stars drycleaners Zippy print	1940s 1990s	30m Southeast
1072	Parkers drycleaners	1927-1937	30m South
1080	Various RFOs	1961-2011	40m South
1103	Spic and span dry cleaners	1961-1970	117m South
1107	Associates drycleaners	1940s	130m South
1136	Parkers drycleaners	1947-1961	200m South
1144	Paint store	1940s	210m South
1150	Auto supply and parts	1961-2000	242m South

As per the above Table 3, the off-site PCAs identifed within 30m of the Phase I Property are considered to represent APECs on the Phase I Property, while the remaining off-site PCAs are not considered to represent areas of potential environmental concern (APECs), based on their separation distances, orientations with respect to the Phase I Property.

The aforementioned PCAs that do not result in APECs are depicted in green and those representing APECs are depicted in red on Drawing PE4783-2 - Surrounding Land Use Plan.

Chain of Title

The Chains of Title for the Phase I Property addressed 1050 and 1060 Bank Street were provided by Read Abstracts Ltd. and were reviewed as part of this assessment.

<u>1050 Bank Street (Lots 3, 4 and 5, Plan 101126)</u>

According to the chain of title, the property deeds for the northern portion (Lots 4 and 5, Plan 101126) of 1050 Bank Street was first registered in 1896 by a private individual, followed by property transfers to various private individuals until 1928, when the property was acquired by Imperial Oil Limited.

The southern portion of 1050 Bank Street (Lot 3, Plan 101126) was registered by a private individual in 1911, followed by a land transfer to the Corporation of Ottawa in 1945. In 1947 the property was acquired by various private individuals until 1954, when the property deed was transferred to Blaney Sproule, of Blaney's ESSO Service Station and Blaney's Garage and General Repairs as listed in the city directories. In 1964, Imperial Oil Limited acquired the southern portion of 1050 Bank Street. At this time, Imperial Oil Limited owned both property deeds for 1050 Bank Street (Lots 3, 4 and 5, Plan 101126) until 1985. From 1985 to 2018, 1050 Bank Street was owned by an Ontario registered business, followed by the acquisition of the property by the current property owner, 2641723 Ontario Inc., in 2018.

<u>1060 Bank Street (Lots 1 and 2 Plan 101126 and Lot A of Plan 116274)</u>

The southern portion of 1060 Bank Street (Lot A, 116274) was registered in 1923 under a private individual and transferred to Canadian Oil Companies in 1928.

The northern portion of 1060 Bank Street (Lots 1 and 2 Plan 101126) was first registered circa 1872 by private individuals, followed by a property transfer to several other private individuals until Canadian Oil Companies Limited acquired the land in 1947. At this time, Canadian Oil Companies Limited owned both property deeds for 1060 Bank Street (Lots 1 and 2 Plan 101126 and Lot A of Plan 116274) until 1956. In 1956, Sun Life Assurance Company of Canada acquired the land, followed by a title transferred to Shell Canada Limited in 1975. From 1975 to 1996, the property had been transferred to various corporations and/or Ontario registered business. In 1996, 1172437 Ontario Inc. acquired the property and remains the current owner of 1060 Bank Street.

Land use history according to the Chain of Title, including other historical information is summarized in Tables 3 and 4. A copy of the chains of title are included in Appendix 1.

Plan of Survey

A draft survey plan prepared by Farley, Smith & Denis Surveying Ltd. was reviewed as a part of this assessment. The plan depicts the Phase I Property, in its current configuration. A copy of the survey plan is provided in Appendix 1.

Previous Engineering Reports

Paterson reviewed the following reports prior to conducting the Phase II ESA:

- ❒ Shallow Soils Investigation, 1050 Bank Street, Ottawa, Ontario, prepared by Franz Environmental Inc., dated October 2013.

Three (3) boreholes were advanced across the Phase I Property to address potential soil impacts associated with the past use of the site as a retail fuel outlet. Boreholes were advanced to a maximum depth of 6.0m below grade. No visual or olfactory evidence of potential petroleum hydrocarbon impacts were identified.

One soil sample from each borehole was submitted to Maxxam Analytics for benzene, ethylbenzene, toluene and xylenes (BTEX) and petroleum hydrocarbons (PHCs, F_1-F_4) analysis. No BTEX or PHC concentrations were identified above the laboratory method detection limits; the results were in compliance with the MOECC (now the MECP) Table 3 Standards.

No further soil investigation was recommended. It should be noted that the previous investigation did not include groundwater testing on the subject site.

- ❒ Phase II Environmental Site Assessment, 1050 Bank Street, Ottawa Ontario, prepared by Paterson Group Inc., dated June 25, 2018.

Three (3) boreholes were placed across the subject site to address potential soil and groundwater impacts associated for the former use of the site. Five (5) soil samples were obtained and submitted for BTEX, PHCs and metals analysis. All soil results complied with the selected MECP Table 3 Residential Standards. Three (3) groundwater samples were recovered and analyzed for PHC and volatile organic compounds (VOC) parameters. The groundwater results complied with the selected MECP standards. No further soil investigation was recommended.

4.2 Environmental Source Information

Areas of Natural Significance

A search for areas of natural significance and features within the Phase I Study Area was conducted on the website of the Ontario Ministry of Natural Resources (MNR) on October 24, 2019. No areas of natural significance were identifed on the Phase I Property or within 30m of the Phase I Property.

The search however, identified Browns Inlet, located approximately 180m northwest of the Phase I Property, as a provincially significant wetland.

PCB Inventory

A search of national PCB waste storage sites was conducted on October 24, 2019. No PCB waste storage sites are located within the Phase I Study Area

Environment Canada

A search of the National Pollutant Release Inventory (NPRI) was conducted electronically on October 24, 2019. Based on the search results, the Phase I Property and other properties within the 250m study area are not listed in the NPRI.

Ministry of the 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 site. 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 should it contain any pertinent information.

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 should it contain any pertinent information.

MECP Submissions

A request was submitted to the MECP FOI office for information with respect to reports related to environmental conditions for the 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 should it contain any pertinent information.

MECP Coal Gasification Plant Inventory

The Ontario Ministry of Environment document titled "Municipal Coal Gasification Plant Site Inventory, 1991" was reviewed. No municipal coal gasification plant sites are located within the Phase I Study Area.

MECP Waste Management Records

A request was submitted to the MECP FOI office for information with respect to waste management records. 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 should it contain any pertinent information.

MECP Brownfields Environmental Site Registry

A search of the MECP Brownfields Environmental Site Registry (ESR) was conducted as part of this assessment for the site, neighbouring properties and the general area of the site. No Records of Site Condition (RSCs) were filed for the Phase I Property. One RSC was filed for a property approximately 40 m south of the subject site at 1080 Bank Street and 297-305 Sunnyside Avenue in 2009. Based on the information provided in the ESR in combination with the separation distance relative to the Phase I Property, the RSC Property is not considered to represent an APEC on the Phase I Property.

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. The MECP document identify one closed waste disposal site/landfill (site number 1107) also referred to Ur-27 located at Lansdowne Park, approximately 170 m north of the Phase I Property. Based on the separation distance with respect to the Phase I Property, this former landfill site does not represent an APEC on the Phase I Property.

Technical Standards and Safety Authority (TSSA)

The TSSA, Fuels Safety Branch in Toronto was contacted electronically on October 24, 2019, to inquire about current and former underground storage tanks, spills and incidents for the site and neighbouring properties. A response from the TSSA identifed several expired permits for underground storage tanks (USTs) located at 1063 Bank Street (property to the adjacent east), and at 1080 Bank Street, approximately 40 m south of the Phase I Property.

As previously discussed, an RSC was filed for 1080 Bank Street and thus, not considered to represent an APEC on the Phase I Property. The expired tank records at 1063 Bank Street are associated with the former retail fuel outlet. As identifed in the previous section (Section 4.1) of this report, the historical presence of the retail fuel outlet at 1063 Bank Street considered an APEC on the Phase I Property. A copy of the TSSA correspondence is 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. A former disposal site (Ur-27) was previously identified within the study area at Lansdown Park. According to the City of Ottawa's document, the former landfill site was in operation pre-1948. As previously discussed, due to the separation distance the former landfill is not considered to represent an APEC on the Phase I Property.

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 results did not identify any activities associated with the Phase I Property, however, there were thirty-two (32) activities associated with properties within the Phase I Study Area. Based on the review of these activities, no new PCAs in addition to those already discussed in Section 4.1 and presented in Table 2. A copy of the HLUI search response is provided in Appendix 2.

4.3 Physical Setting Sources

Aerial Photographs

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

1928 The northern portion of the Phase I Property appears to be occupied by the original portion of the present-day commercial building. The southern portion of the Phase I Property appears to be vacant and possibly in the early stages of land development. Neighbouring lands to the north, south, east and west appear to be occupied by residential and commercial buildings.

1958	The Phase I Property appears to have been developed with by two (2) additional buildings, on the central portion and an existing building on the southern portion. Properties to the east of Bank Street have been developed for commercial purposes. A retail fuel outlet can be seen on the adjacent property to the east across Bank Street. Neighbouring lands along Bank Street appear to be occupied by commercial buildings and residential buildings on the adjacent streets. A retail fuel outlet can be seen two properties south of the Phase I Property. Lands to the west remain unchanged from the previous photograph.
1965	One of the former on-site buildings, specifically the middle building appears to have been demolished and replaced by expanding the south end of the original building of 1050 Bank Street. A pump island can be seen on the northeast portion of the Phase I Property. Otherwise, no apparent changes to the Phase I Property. Neighbouring properties within the Phase I Study Area appear unchanged from the previous photograph.
1975	No significant changes are apparent on the Phase I Property or on the lands within the Phase I Study Area.
1984	The northern building on-site appears to have been enlarged/upgraded again. The Phase I Property no longer appears to be occupied by retail fuel outlets; however, the buildings appear to remain for commercial purposes. No other changes are apparent on the Phase I Property or lands within the Phase I Study Area.
1991	The Phase I Property and neighbouring lands within the Phase I Study Area appear remains unchanged from the previous photograph.
2002	No significant changes are apparent on the Phase I Property. The retail fuel outlet two (2) properties south of the Phase I Property is no longer present at this time. The remaining lands appear unchanged from the previous photograph.

2017 The Phase I Property remains unchanged from the previous photograph and appears as it currently exists. The retail fuel outlet occupying the adjacent property to the east across Bank Street is no longer present at this time. No other significant changes are apparent on the neighbouring properties.

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 regional topography generally slopes down in a south/southeasterly direction towards the Rideau River. Based on the topographic maps, the closest natural body of water to the Phase I Property is the Rideau River, the closest point of which is located approximately 650m southeast 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

The Ontario Geological Survey publication 'The Physiography of Southern Ontario, Third Edition' was reviewed as a part of this assessment. According to the publication and attached mapping, the Phase I Property is situated within the Ottawa Valley Clay Plains physiographic region, described as "clay plains interrupted by ridges of rock or sand". Mapping shows the subject land is situated in an area of limestone and till plains.

Geological Maps

The Geological Survey of Canada website on the Urban Geology of the National Capital Area was consulted as part of this assessment. Bedrock in the area of the Phase I Property is reported to consist of interbedded limestone and shale of the Verulam Formation. According to the geological survey map in the area of the Phase I Property, overburden on the Phase I Property consists of offshore marine sediments of erosional terraces with a drift thickness ranging from 1 to 5 m. However, based the previous subsurface investigation conducted by Paterson at 1050 Bank Street in 2018, boreholes were terminated in native sand at depths ranging from approximately 13.7 to 14.6m below grade; bedrock was not encountered. It is expected that the regional geological mapping extrapolated less overburden in the immediate area based on regional geological data.

Natural Water Bodies and Areas of Natural Significance

No areas of natural significance were identifed on the Phase I Property or within 30m of the Phase I Property. Browns Inlet is provincially significant wetland, located approximately 180m northwest of the Phase I Property.

Water Well Records

The MECP online interactive well record mapping system was accessed on October 25, 2019, to conduct a search for all drilled wells within 250 m of the Phase I Property. The search returned a total of thirty-seven (37) records: one potable well, thirty-two (32) monitoring wells, and four (4) decommissioned wells. No well records were identified for the Phase I Property.

One domestic well record, dated 1950, was identified for the adjacent property to the west, addressed 20 Euclid Avenue. According to the record, the stratigraphy was identified as silty sand extending to 25.2m below ground surface (mbgs), underlain by limestone bedrock. The well depth was recorded as approximately 8 mbgs with clear groundwater identified at 75.5 mgbs. It is expected that this well is no longer in use as the property is currently provided with municipal services.

Eighteen (18) monitoring wells and four (4) well abandonments from 2010 were identified for the Lansdowne Park development (925 to 1015 Bank Street), approximately 171 m northeast of the Phase I Property, across the Rideau Canal. Based on the separation distance, these properties are not considered to have impacted to the Phase I Property.

Seven (7) monitoring wells from 2017 were identified on the adjacent property to the east across Bank Street (1047 Bank Street and 780 Echo Drive).

The remaining six (6) monitoring well records were identified on properties more than 50 m of the Phase I Property, and therefore, are not considered pose a risk to the Phase I Property based on separation distance. Copies of the well records are provided in Appendix 2.

5.0 INTERVIEWS

Mr. Domenic Santaguida, the current property owner was interviewed at the time of the site visits on October 31, 2019 and on November 15, 2019. According to Mr. Santaguida, the subject buildings were originally built and occupied by the retail fuel outlet (RFOs) sometime around 1940s. Both subject buildings are currently heated by natural gas-fired furnaces.

It is not known how and when the ordinal buildings were heated when they were first constructed. According to Mr. Santaguida, the current tenants of 1050 and 1060 Bank Street have occupied the commercial spaces since circa 1998/2000.

Mr. Santaguida was unaware of any potential environmental concerns regarding the Phase I Property and surrounding properties.

6.0 SITE RECONNAISSANCE

6.1 General Requirements

An initial site visit was conducted by Ms. Mandy Witteman, from the Environmental Department of Paterson Group, on October 31, 2019. As access was not available to the entirety of the building interiors at this time, a follow-up visit was conducted on November 15, 2019. Weather conditions were overcast during both site visits, with temperatures of approximately 10°C and -8°C. At the time of the site visits, neighbouring land use within the Phase I Study Area was also observed, from publicly accessible areas.

6.2 Specific Observations at Phase I Property

Buildings and Structures

1050 Bank Street

The original portion of the one-storey building addressed 1050 Bank Street, was constructed circa 1928, with a concrete foundation and is currently occupied by Siam Kitchen restaurant. A basement level is present beneath this portion of the building. Two (2) one-storey slab-on-grade additions were made to the southern portion of the original building circa 1965 and 1980. The additions are currently occupied by Boomerang Kids consignment store. The building is of concrete construction with stone and wood decorative finishes on the eastern façade, and flat tar-and-gravel style roof.

1060 Bank Street

The building addressed 1060 Bank Street was constructed circa 1947 with a poured concrete foundation and is finished on the exterior with red brick and a flat, tar-and-gravel style roof.

The one-storey building has a basement level and is occupied by the Barley Mow restaurant. A wood patio structure is present adjacent to the east face of the building.

Both subject buildings are heated with natural gas-fired equipment. No other buildings or structures are present on the Phase I Property.

Subsurface Structures and Utilities

The Phase I Property is situated in a municipally serviced area. Underground utility services on the subject land include natural gas, electricity, municipal water and sewer services. The services enter the Phase I Property from Bank Street and Alymer Avenue. Approximate locations of underground utilities are shown on the Drawing PE4783-1 – Site Plan.

Other than service utilities, no subsurface structures were observed on the Phase I Property at the time of the site visit.

Site Features

The subject buildings occupy the western portion of the Phase I Property. The remainder of the subject land is primarily occupied by a paved parking lot, with some landscaped areas along the northern and southern property boundaries. The small lot to the west of the subject buildings, separated by a 3.3m wide granular access lane (easement), is covered with vegetation and used as storage space. A planter and storage trailer were present east of the south end of 1050 Bank Street, while two (2) storage trailers and containers for domestic waste and recycling were stored between the subject buildings and on the small parcel of land to the west of the adjacent easement.

Site drainage occurs through sheet flow to catch basins located on the Phase I Property and surrounding roadways, with some infiltration on the western parcel of land. No ponded water or signs of surficial staining were noted at the time of the initial site visit. It should be noted that the site was snow covered during the subsequent site visit.

Three (3) monitoring wells were identified at 1050 Bank Street at the time of the October 31, 2019 site visit. The wells were previously installed by Paterson during a Phase II ESA conducted in 2018 for due diligence purposes.

The Phase I Property is relatively flat and slopes slightly down to the east and to the south. The regional topography slopes downwards in a southerly direction towards the Rideau River.

Site features are presented on Drawing PE4783-1 – Site Plan, provided in the Figures section following the text.

Fill Material

No evidence of fill material was noted at the time of the site visit. Some sand and gravel fill material was noted during the previous Phase II ESA at 1050 Bank Street, within the former tank nest. The fill material was analysed and determined to be in compliance with the MECP Table 3 standards applicable to the site. Fill material was also identified at 1060 Bank Street, during the concurrent subsurface investigation. The fill material consisted of silty sand and gravel and was considered to be associated with the pavement structure or the backfill of the former tank nest and pump island. No deleterious materials or evidence of contamination were noted with respect to the fill material.

Interior Assessment

A general description of the interior of 1050 Bank Street is as follows:

- ❒ Floor finishes consist of carpet, ceramic tiles and poured concrete;
- ❒ Wall finishes consist of wood panels, decorative plaster, gypsum board and concrete or concrete blocks;
- ❒ Ceilings are finished with plaster and concrete;
- ❒ Lighting is provided by incandescent and fluorescent fixtures.

A general description of the interior of 1060 Bank Street is as follows:

- ❒ Floor finishes consist of laminate, ceramic tiles and poured concrete;
- ❒ Wall finishes consist of wood panels, decorative plaster, gypsum board and concrete or concrete blocks;
- ❒ Ceilings are finished with plaster and concrete;
- ❒ Lighting is provided by incandescent and fluorescent fixtures.

Based on the age the subject buildings, potential asbestos containing materials (ACMs) include decorative and hard plaster, ceiling stipple and drywall joint compound. Lead-based paints (LBPs) may also be present within the buildings on original or older painted surfaces, beneath more recent paints.

Potential ACMs and LBPs were in good condition at the time of the site visit.

Fuel and Chemical Storage

As previously noted, the subject buildings are heated with natural gas-fired equipment. No fuels or chemicals were observed on the interior or exterior of the Phase I Property at the time of the site assessment, with the exception of common household cleaning products that were properly stored within the subject buildings. No signs of leaks or staining were observed on the interior or exterior of the Phase I Property.

Wastewater Discharge

Wastewater discharged from the Phase I Property includes wash water and sewage. Several floor drains were observed on the interior of the subject structures. All drains appeared to be dry and clean of any debris at the time of the site visit. No concerns were noted with regards to wastewater discharge at the Phase I Property.

Waste Management

Non-hazardous food waste and recycling is stored in bins on the north side of the subject buildings and collected by a licensed contractor on a regular basis.

Grease traps are present within the Siam Kitchen and Barley Mow; all food grease is collected by a contractor licenced for these works on an as-needed basis.

Neighbouring Properties

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

- North - Alymer Avenue, followed by institutional (Southminster United Church);
- South - Euclid Avenue, followed by commercial (Quinn's Pub, retail and the Mayfair Theatre);
- East - Bank Street, followed by the Ottawa Public Library and a commercial parking lot (former automotive service garage at 1063 Bank Street);
- West - Gravel access lane (easement) and/or residential dwellings.

No concerns were identified with the current use of the immediately adjacent lands.

Remaining land use within the Phase I Study Area is primarily residential with commercial land use along Bank Street, and parkland along the Rideau Canal. A previously noted automotive service garage building remains present at 1063 Bank Street although it is no longer operational; this property is currently operated as a commercial parking lot. No existing off-site PCAs were identified at the time of the site visit. Surrounding land use within the Phase I Study Area is presented on Drawing PE4783-2 – Surrounding Land Use Plan.

7.0 REVIEW AND EVALUATION OF INFORMATION

7.1 Land Use History

The following tables outline the current and past uses of the Phase I Property.

TABLE 3: Current and Past Use of 1050 Bank Street (Lots 3, 4, 5 and 6, Plan 101126)

Year	Property Owner	Description of Property	Property Use	Other Observations from FIPs, Aerial Photographs, Directories, etc.
Lots 4, 5, and 6, Plan 101126				
Prior to 1896	Unknown	Unknown	Commercial	No available observations.
1896-1928	Various private individuals	Unknown	Commercial	1928 aerial photograph shows the property is (possibly) developed at this time.
1928-1985	Imperial Oil Limited	Retail fuel outlet (Imperial Oil Service Station)	Commercial	1050 Bank Street first listed in the city directories as Imperial Oil Service Station in 1933. The 1956 FIPs identified a retail fuel outlet and possible automotive service garage on this portion of the Phase I Property. Apparent retail fuel outlet noted in 1958 and 1965 aerial photographs, on this portion of the Phase I Property.
Lot 3, Plan 101126				
Prior to 1911	Unknown	Unknown	Commercial	No other observations available for this time period.
1911-1954	City of Ottawa, followed by various private individuals	Unknown	Vacant until 1928	1928 aerial photograph shows that site is occupied.
1954-1964	Blaney Sproule	Retail fuel outlet and automotive repair garage	Commercial	City directories listed the retail fuel outlet and a service garage in 1961, Blaney's service station and garage and general repairs, which correlates with the property owner listed in the chain of title. 1956 FIP depicts a retail fuel outlet on-site with 2 USTs.
1964-1985	Imperial Oil Limited	Retail fuel outlet until 1976 followed by office and retail	Commercial	City directories lists the retail fuel outlet operating at 1050 Bank Street until 1981/1982, in which the city directories list two commercial businesses that are not affiliated with a gas station.
Lots 3, 4, 5, and 6, Plan 101126				
1985-2018	614762 Ontario Inc.	Commercial (retail and restaurants)	Commercial	City directories listed several businesses (restaurant and retail) until 2011.
2018-present	2641723 Ontario Inc.	Restaurant and retail store	Commercial	Based on site visit.

TABLE 4: Current and Past Use of 1060 Bank Street (Lot A, Plan 116274 and Lots 1 and 2, Plan 101126)

Year	Property Owner	Description of Property	Property Use	Other Observations from FIPs, Aerial Photographs, Directories, etc.
Lots 1 and/or 2, Plan 101126				
Prior to 1873	Unknown	Unknown	Commercial	No other available observations for this time period.
1873-1949	Various private individuals	Unknown and vacant until 1947	Commercial	1928 aerial photograph shows the property as vacant at this time. The property was first listed in the city directories in 1947 as a retail fuel outlet and automotive body shop. The chain of title lists Canadian Oil Companies Ltd. as the owner at this time, which correlates with the listed activity in the directories.
1949-1956	Canadian Oil Companies Limited	Retail fuel outlet	Commercial	City directories listed Trudel Ernest service station in 1954. The 1956 FIPs depicts a retail fuel outlet. The property owner remains the same as previous listing.
Lot A, Plan 116274				
Prior to 1912	Unknown	Unknown	Commercial	No other available observations for this time period.
1912-1939	Various private individuals	Unknown and vacant	Commercial	1928 aerial photograph shows the property as vacant at this time. The chain of title lists Canadian Oil Companies Ltd., as the owner at this time.
1939-1956	Canadian Oil Companies Limited	Retail fuel outlet	Commercial	City directories listed Trudel Ernest service station in 1954. The 1956 FIPs depicts a retail fuel outlet. The 1956 aerial photograph shows pumps island on the northeast corner of the property.
Lot A, Plan 116272 and Lots 1 and 2, Plan 101126				
1956-1975	Sun life Assurance Company of Canada	Retail fuel outlet automotive service garage/body shop	Commercial	The pump island associated with a retail fuel outlet can be seen in the 1958 and 1965 aerial photographs. City directories list a retail fuel outlet, auto body shop and repair garage from 1947 to 1970.
1975-1996	Various individuals and Ontario registered corporations	Commercial (restaurant)	Commercial	City directories listed three (3) different restaurants from1981/1982 to 2011. Based on the 1984 and 1991 aerial photographs this portion of the Phase I Property the pump island and tank nest, associated with the former retail fuel outlet, appear to have been removed.
1996-present	1172437 Ontario Inc.	Commercial (restaurant)	Commercial	Based on aerial photographs, city directories, site visit and personal interviews.

Potentially Contaminating Activities and Areas of Potential Environmental Concern

TABLE 5: Areas of Potential Environmental Concern

Area of Potential Environmental Concern	Location of Area of Potential Environmental Concern	Potentially Contaminating Activity	Location of PCA (on-site or off-site)	Contaminants of Potential Concern	Media Potentially Impacted (Groundwater, Soil, and/or Sediment)
APEC 1 (Resulting from former on-site USTs at 1050 Bank Street)	Northeastern portion of the Phase I Property	PCA 28 – Gasoline and Associated Products Storage in Fixed Tanks	On-site	BTEX PHCs (F_1-F_4)	Soil, Groundwater
APEC 2 (Resulting from former on-site pump island at 1050 Bank Street)	North-central portion of the Phase I Property	PCA 28 – Gasoline and Associated Products Storage in Fixed Tanks	On-site	BTEX PHCs (F_1-F_4)	Soil, Groundwater
APEC 3 (Resulting from former on-site automotive service garage)	Central portion of the Phase I Property	PCA 52 – Storage, maintenance, fuelling and repairing of equipment, vehicles, and materials used to maintain transportation systems	On-site	BTEX PHCs (F_1-F_4) VOCs PAHs	Soil, Groundwater
APEC 4 (Resulting from former on-site pump island at 1060 Bank Street)	South-central portion of the Phase I Property	PCA 28 – Gasoline and Associated Products Storage in Fixed Tanks	On-site	BTEX PHCs (F_1-F_4)	Soil, Groundwater
APEC 5 (Resulting from former on-site USTs)	South-central portion of the Phase I Property	PCA 28 – Gasoline and Associated Products Storage in Fixed Tanks	On-site	BTEX PHCs (F_1-F_4)	Soil, Groundwater
APEC 6 (Resulting from former on-site automotive body shop)	Southwestern portion of the Phase I Property	PCA 10 – Commercial Autobody Shops	On-site	BTEX PHCs (F_1-F_4) VOCs PAHs	Soil, Groundwater

TABLE 5: Areas of Potential Environmental Concern

Area of Potential Environmental Concern	Location of Area of Potential Environmental Concern	Potentially Contaminating Activity	Location of PCA (on-site or off-site)	Contaminants of Potential Concern	Media Potentially Impacted (Groundwater, Soil, and/or Sediment)
APEC 7 (Resulting from fill material)	Across the majority of the Phase I Property	PCA 30 - Importation of Fill Material of Unknown Quality	On-site	Metals (including As, Sb, Se) Hg CrVI	Soil
APEC 8 (Resulting from former retail fuel outlet and existing service garage at 1063 Bank Street)	Eastern portion of the Phase I Property	PCA 52 – Storage, maintenance, fuelling and repairing of equipment, vehicles, and materials used to maintain transportation systems PCA 28 – Gasoline and Associated Products Storage in Fixed Tanks	Off-site	BTEX PHCs (F_1-F_4) VOCs PAHs	Groundwater
APEC 9 (Resulting from former off-site dry cleaner at 1069 Bank Street)	Southeastern portion of the Phase I Property	PCA 37 – Operation of Dry-Cleaning Equipment (where chemicals are used)	Off-site	VOCs	Groundwater
APEC 10 (Resulting from former off-site dry cleaner at 1072 Bank Street)	Southeastern portion of the Phase I Property	PCA 37 – Operation of Dry-Cleaning Equipment (where chemicals are used)	Off-site	VOCs	Groundwater

The aforementioned APECs are outlined on Drawing PE4783-1 – Site Plan. Off-site PCAs considered to results in APECs on the Phase I Property are shown in red on Drawing PE4720-2 – Surrounding Land Use Plan, while off-site PCAs not considered to result in APECs, based on their separation distances and/or

Contaminants of Potential Concern

As noted in Table 5, contaminants of potential concern (CPCs) present is the soil and/or groundwater on or beneath the Phase I Property include the following:

- Benzene, ethylbenzene, toluene and xylenes (BTEX);
- Petroleum hydrocarbons (PHCs, Fractions F_1-F_4);
- Volatile organic compounds (VOCs);
- Polycyclic aromatic hydrocarbons (PAHs);
- Metals;
- Hydride-forming compounds (As, Sb, Se);
- Mercury (Hg); and
- Hexavalent Chromium (CrVI).

7.2 Conceptual Site Model

Geological and Hydrogeological Setting

Based on the 2017 subsurface program, site soils generally consisted of a pavement structure over fill material, underlain by native sand. Bedrock was not encountered during the subsurface program; according to the Geological Survey of Canada website, the bedrock in the area of the Phase I Property is reported to consist of interbedded limestone and shale of the Verulam Formation and is present at depths ranging from approximately 1 to 5 mbgs. As previously discussed, our previous subsurface investigation at 1050 Bank Street, three (3) deep wells were drilled more than 14 m below ground surface (mbgs), which never encountered bedrock.

During the previous subsurface investigation, groundwater was encountered within the overburden at approximately 11.7m bgs. Based on groundwater contour mapping completed at the time, the groundwater flow beneath the Phase I Property was in a northwesterly direction. Regional groundwater flow is inferred to be to the north, towards the Ottawa River.

Water Bodies and Areas of Natural Significance

No natural water bodies or areas of natural significance are known to exist on or within 30m of the Phase I Property. Browns Inlet, located approximately 180m northwest of the Phase I Property, is identified as a provincially significant wetland.

Potable Water Well Records

No potable well records were identified for the Phase I Property. However, the MECP online interactive well record mapping system identified one domestic well record, dated 1950 on a property to the west of the subject land, at 20 Euclid Avenue. It is expected that this well has not been used since the area was provided with municipally services.

Monitoring Well Records

According to the MECP online interactive well record mapping system, there were no monitoring wells identified on the Phase I Property. However, during the site visit, three (3) monitoring wells drilled during the subsurface investigation in 2017 were identified on the northern portion of the Phase I Property (1050 Bank Street).

Existing Buildings and Structures

1050 Bank Street

The original portion of the one-storey building addressed 1050 Bank Street, was constructed circa 1928, with a concrete foundation and is currently occupied by Siam Kitchen restaurant. A basement level is present beneath this portion of the building. Two (2) one-storey slab-on-grade additions were made to the southern portion of the original building circa 1965 and 1980. The additions are currently occupied by Boomerang Kids consignment store. The building is of concrete construction with stone and wood decorative finishes on the eastern façade, and flat tar-and-gravel style roof.

1060 Bank Street

The building addressed 1060 Bank Street was constructed circa 1947 with a poured concrete foundation and is finished on the exterior with red brick and a flat, tar-and-gravel style roof.

The one-storey building has a basement level and is occupied by the Barley Mow restaurant. A wood patio structure is present adjacent to the east face of the building.

Both subject buildings are heated with natural gas-fired equipment. No other buildings or structures are present on the Phase I Property.

Subsurface Structures and Utilities

The Phase I Property is situated in a municipally serviced area. Underground utility services on the subject land include natural gas, electricity, municipal water and sewer services. The services enter the Phase I Property from Bank Street and Aylmer Avenue. Other than service utilities, no subsurface structures were observed on the Phase I Property at the time of the site visit.

Based on standard practice for subsurface utility installation, service trenches are expected to be present approximately 1 to 2 m below existing grade. In general, trench backfill may provide a preferential pathway for contaminant transport if the water table is at or above the base of the trenches. Based on the findings of the 2018 Phase II ESA, the water table was identified at depths of approximately 11.4 to 11.75m below grade. As the water table was identified at a significant depth below standard service trenches, underground services are not considered to have the potential to create preferential pathways for contaminant migration.

Fill Material

No evidence of fill material was noted at the time of the site visit. Some sand and gravel fill material was noted during the previous Phase II ESA at 1050 Bank Street, within the former tank nest. The fill material was analysed and determined to be in compliance with the MECP Table 3 standards applicable to the site. Fill material was also identified at 1060 Bank Street, during the concurrent subsurface investigation. The fill material consisted of silty sand and gravel and was considered to be associated with the pavement structure or the backfill of the former tank nest and pump island. No deleterious materials or evidence of contamination were noted with respect to the fill material.

Neighbouring Land Use

Neighbouring land use within the Phase I Study Area consists primarily of residential and commercial (along Bank Street) with occasional institutional and community land use, as well as parkland along the Rideau Canal and Brown's Inlet.

Potentially Contaminating Activities and Areas of Potential Environmental Concern

As presented in Table 5 in Section 7.1 of this report, seven (7) historical on-site PCAs and four (4) historical off-site PCAs are considered to have resulted in 10 APECs on the Phase I Property.

Contaminants of Potential Concern

As noted in Table 5, the contaminants of potential concern (CPCs) in soil and/or groundwater, and associated with the APECs identified in this Phase I ESA include:

- Benzene, ethylbenzene, toluene and xylenes (BTEX);
- Petroleum hydrocarbons (PHCs, Fractions F_1-F_4);
- Volatile Organic Compounds (VOCs);
- Polycyclic aromatic hydrocarbons (PAHs);
- Metals;
- Hydride-forming compounds (As, Sb, Se);
- Mercury (Hg); and
- Hexavalent Chromium (CrVI).

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 historical on-site and off-site PCAs have resulted in APECs on the Phase I Property. While several additional historical off-site PCAs were identified during this assessment, they were not considered to represent APECs on the Phase I Property, based on their separation distances and/or orientations relative to the subject land.

A variety of independent sources were consulted as part of this assessment, and as such, the conclusions of this report are not affected by uncertainty which may be present with respect to the individual sources.

8.0 CONCLUSIONS

8.1 Assessment

Paterson Group was retained by 2641723 Ontario Inc. to conduct a Phase I-Environmental Site Assessment (ESA) for the properties addressed 1050 and 1060 Bank Street, in the City of Ottawa, Ontario. It should be noted that in addition to the lands fronting onto Bank Street, the Phase I Property includes a small parcel of land (also addressed 1060 Bank Street) separated from the larger property by an easement approximately 3m in width. The purpose of this Phase I-ESA was to research the past and current use of the Phase I Property and 250m study area and to identify any environmental concerns with the potential to have impacted the Phase I Property.

According to the historical research, the northern portion of the Phase I Property (1050 Bank Street) was developed as early as 1928 with the original portion of the present-day structure, and was operated as a retail fuel outlet and automotive service garage through the late 1970's. The southern portion of the Phase I Property (1060 Bank Street) was developed circa 1947 with the present-day building structure, and had also operated as a retail fuel outlet and automotive service garage or automotive body shop through the late 1970's. Both 1050 and 1060 Bank Street were subsequently occupied by various retail and restaurant establishments. The small parcel of land, west of the adjacent easement, appears to have never been developed.

The former tank nests and pump islands associated with the historical retail fuel outlets are potentially contaminating activities (PCAs) resulting in areas of potential environmental concern (APECs) on the Phase I Property. The former automotive service garages and/or body shop are also PCAs resulting in APECs on the Phase I Property.

The historical use of the neighbouring properties within the Phase I study area, was a combination of residential, commercial (primarily along Bank Street), community and parkland along the Rideau Canal and Brown's Inlet. A former retail fuel outlet and automotive service garage was located at 1063 Bank Street, approximately 20m east of the Phase I Property, across Bank Street. A former dry cleaner was located at 1069 Bank Street, immediately south of 1063 Bank Street, and approximately 20m southeast of the Phase I Property. A second historical drycleaner was located at 1072 Bank Street, approximately 25m south of the Phase I Property, across Euclid Street.

These off-site PCAs are considered to represent APECs on the Phase I Property.

A second retail fuel outlet was identified at 1080 Bank Street, approximately 40m south of the Phase I Property, across Sunnyside Avenue. In 2009, a Record of Site Condition was filed in the MECP Environmental Site Registry (ESR) for this property. Based on the information contained in the ESR, in combination with the separation distance, this property is not considered to represent an APEC on the Phase I Property. Other off-site PCAs identified as part of the historical review are also not considered to represent APECs on the Phase I Property based on their significant separation distances and/or orientations relative to the subject land.

Following the historical research, a site visit was conducted. The Phase I Property is currently occupied by two (2) commercial buildings. The building addressed 1050 Bank Street houses Siam Kitchen restaurant and Boomerang Kids consignment store, while the building addressed 1060 Bank Street houses the Barely Mow restaurant. The remainder of the property is occupied by paved parking areas and a vacant grassed area west of the adjacent easement. No potential environmental concerns were noted with the current use of the Phase I Property.

Neighbouring land use within the Phase I study area remains a combination of residential, community, with primarily commercial land use along Bank Street, and parkland along the Rideau Canal and Brown's Inlet. The commercial property to the east at 1063 Bank Street, remains occupied by the former automotive service garage building, although it is no longer operational. As previously noted, this property is considered to represent an APEC on the Phase I Property. No other off-site PCAs were identified within the Phase I study area at the time of the site visits.

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

8.2 Recommendations

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

9.0 STATEMENT OF LIMITATIONS

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

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

This report was prepared for the sole use of 2641723 Ontario Inc. Permission and notification from 2641723 Ontario Inc. and Paterson will be required to release this report to any other party.

Paterson Group Inc.

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

Karyn Munch, P.Eng., QP_{ESA}

LICENSED PROFESSIONAL ENGINEER
K. MUNCH
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PROVINCE OF ONTARIO

Report Distribution:

- ❑ 2641723 Ontario Inc.
- ❑ Paterson Group Inc.

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
National Energy Board.

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

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

Local Information Sources
Personal Interviews.
Chain of Title

Public Information Sources
Google Earth.
Google Maps/Street View.

FIGURES

FIGURE 1 – KEY PLAN

FIGURE 2 – TOPOGRAPHIC MAP

DRAWING PE4783-1 – SITE PLAN

DRAWING PE4783-2 – SURROUNDING LAND USE PLAN

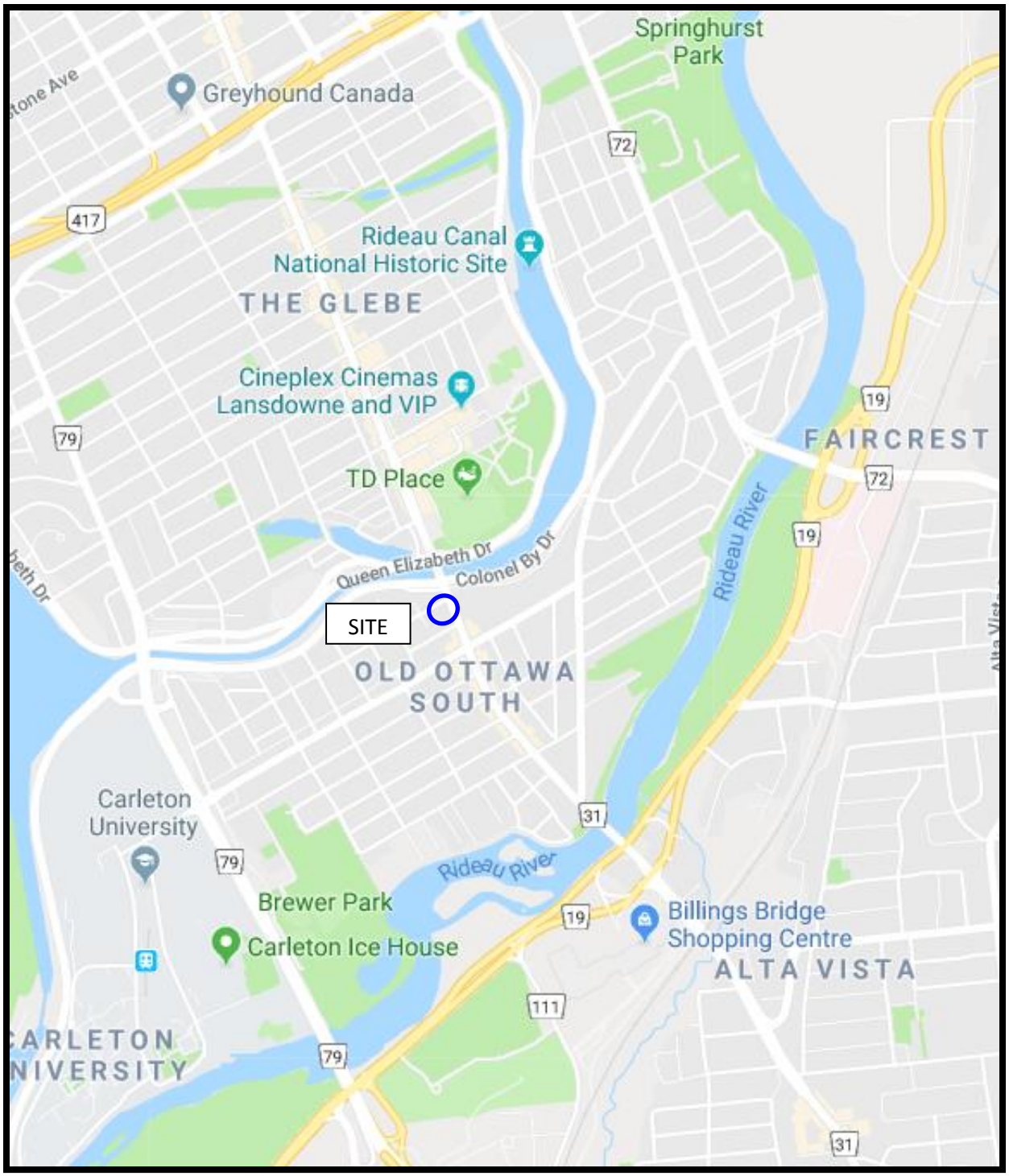


FIGURE 1

KEY PLAN

patersongroup

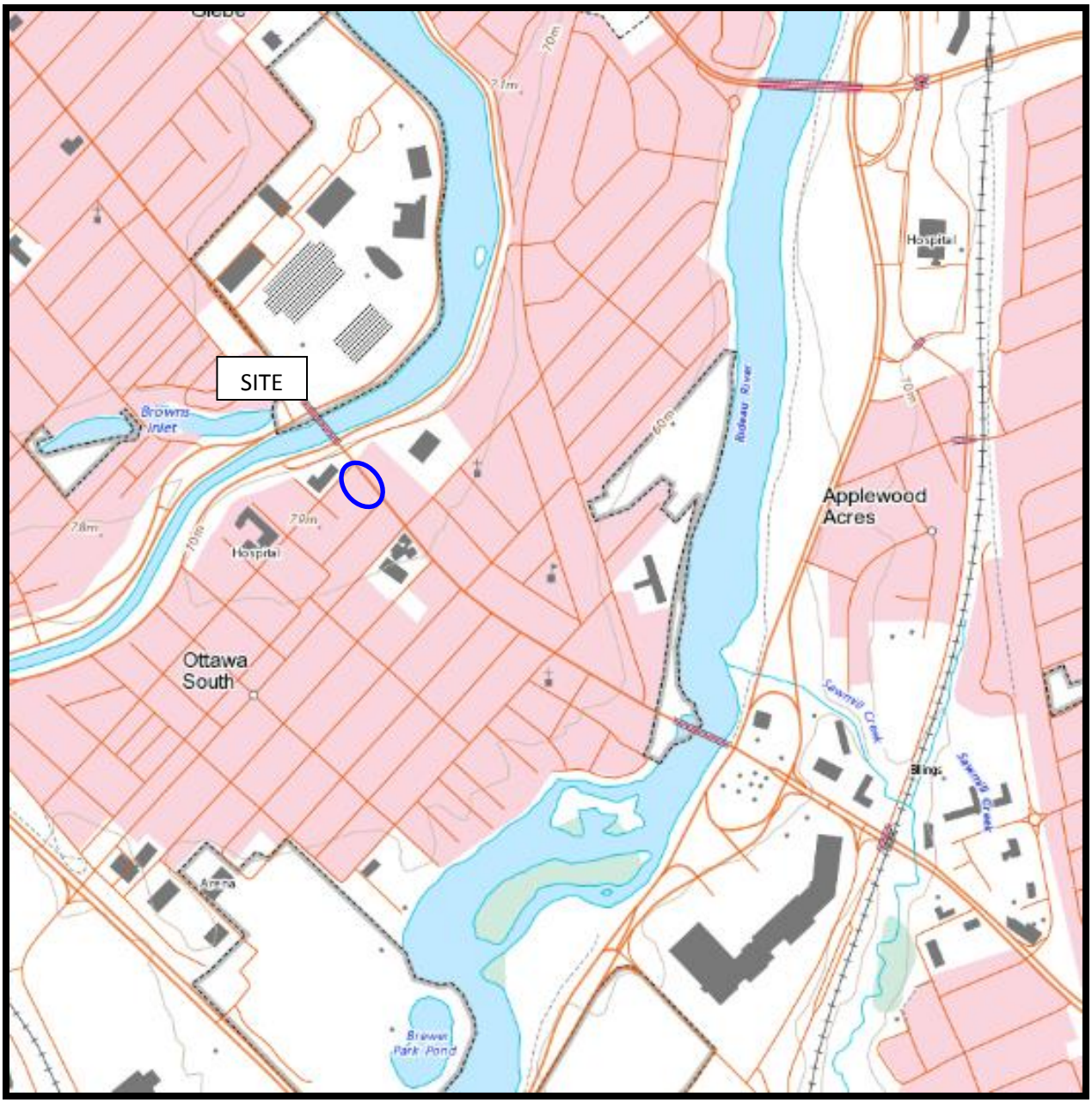
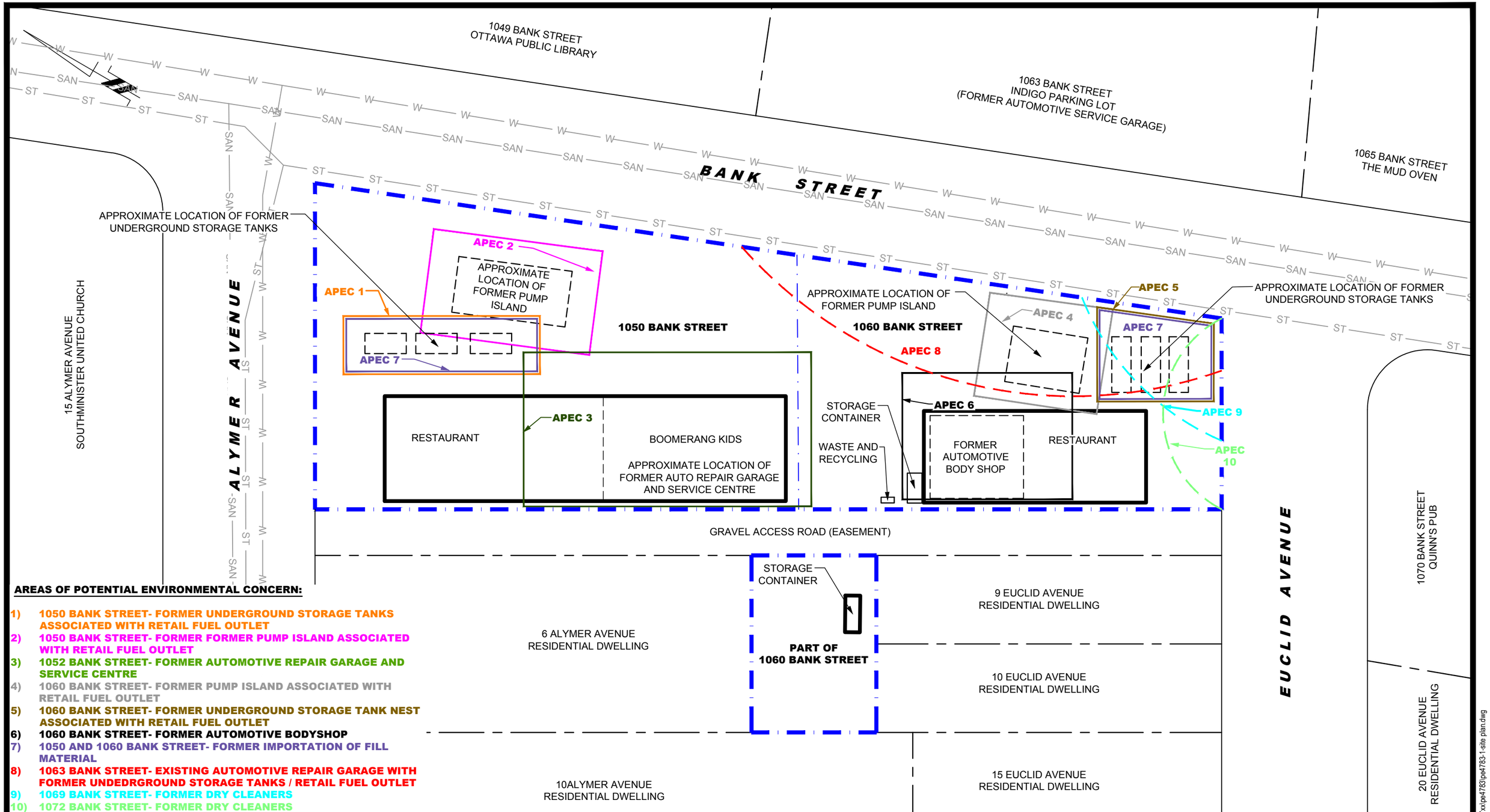


FIGURE 2

TOPOGRAPHIC MAP

patersongroup



AREAS OF POTENTIAL ENVIRONMENTAL CONCERN:

1) 1050 BANK STREET- FORMER UNDERGROUND STORAGE TANKS ASSOCIATED WITH RETAIL FUEL OUTLET
2) 1050 BANK STREET- FORMER FORMER PUMP ISLAND ASSOCIATED WITH RETAIL FUEL OUTLET
3) 1052 BANK STREET- FORMER AUTOMOTIVE REPAIR GARAGE AND SERVICE CENTRE
4) 1060 BANK STREET- FORMER PUMP ISLAND ASSOCIATED WITH RETAIL FUEL OUTLET
5) 1060 BANK STREET- FORMER UNDERGROUND STORAGE TANK NEST ASSOCIATED WITH RETAIL FUEL OUTLET
6) 1060 BANK STREET- FORMER AUTOMOTIVE BODYSHOP
7) 1050 AND 1060 BANK STREET- FORMER IMPORTATION OF FILL MATERIAL
8) 1063 BANK STREET- EXISTING AUTOMOTIVE REPAIR GARAGE WITH FORMER UNDEDRGROUND STORAGE TANKS / RETAIL FUEL OUTLET
9) 1069 BANK STREET- FORMER DRY CLEANERS
10) 1072 BANK STREET- FORMER DRY CLEANERS

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NO.	REVISIONS	DATE	INITIAL

2641723 ONTARIO INC.

PHASE I - ENVIRONMENTAL SITE ASSESSMENT
1050 AND 1060 BANK STREET

OTTAWA, ONTARIO

Title: **SITE PLAN**

Scale: 1:300	Date: 11/2019
Drawn by: YA	Report No.: PE4783-1
Checked by: MW	Dwg. No.: PE4783-1
Approved by: MSD	Revision No.:

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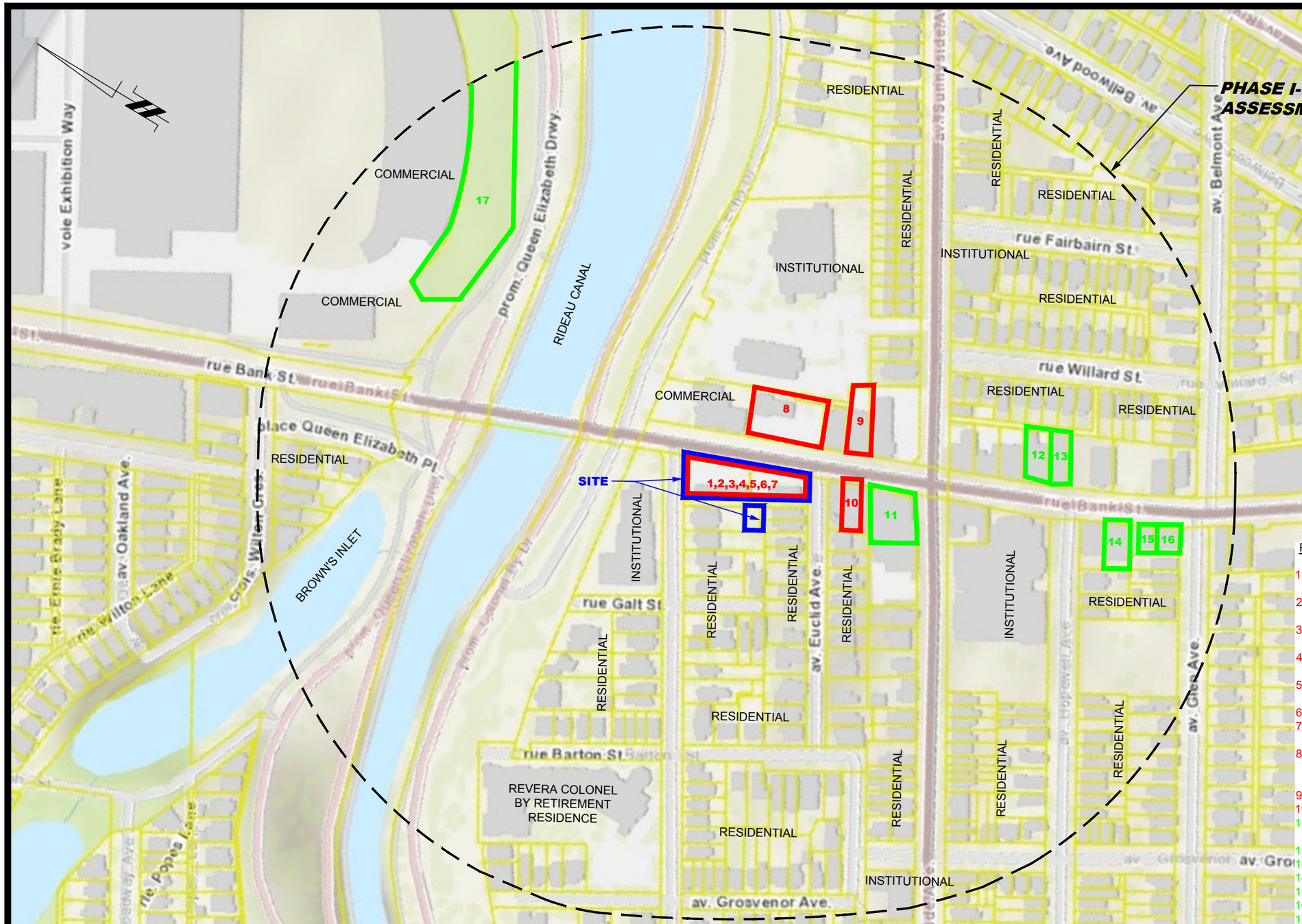

POTENTIALLY CONTAMINATING ACTIVITIES:

1) 1050 BANK STREET- FORMER UNDERGROUND STORAGE TANK NEST ASSOCIATED WITH RETAIL FUEL OUTLET
2) 1050 BANK STREET- FORMER PUMP ISLAND ASSOCIATED WITH RETAIL FUEL OUTLET
3) 1052 BANK STREET- FORMER AUTOMOTIVE REPAIR GARAGE AND SERVICE CENTRE
4) 1060 BANK STREET-FORMER PUMP ISLAND ASSOCIATED WITH RETAIL FUEL OUTLET
5) 1060 BANK STREET-FORMER UNDERGROUND STORAGE TANK NEST ASSOCIATED WITH RETAIL FUEL OUTLET
6) 1060 BANK STREET-FORMER AUTOMOTIVE BODY SHOP
7) 1050 AND 1060 BANK STREET-FORMER IMPORTATION OF FILL MATERIAL OF UNKNOWN QUALITY
8) 1063 BANK STREET-EXISTING AUTOMOTIVE REPAIR GARAGE WITH FORMER UNDERGROUND STORAGE TANKS / RETAIL FUEL OUTLET
9) 1069 BANK STREET-FORMER STARS DRY CLEANERS
10) 1072 BANK STREET-FORMER DRY CLEANERS
11) 1080 BANK STREET-FORMER RETAIL FUEL OUTLET WITH 3 UNDERGROUND STORAGE TANKS
12) 1103 BANK STREET-FORMER CLEANERS
13) 1107 BANK STREET-FORMER ASSOCIATIVE DRY CLEANERS
14) 1136 BANK STREET-FORMER PARKER'S DRY CLEANERS
15) 1144 BANK STREET-FORMER PAINT STORE
16) 1150 BANK STREET-FORMER AUTO SUPPLY AND PARTS
17) 945 BANK STREET- LANSDOWNE LANDFILL (Ur-27)

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NO.	REVISIONS	DATE	INITIAL

2641723 ONTARIO INC.

PHASE I - ENVIRONMENTAL SITE ASSESSMENT
1050 AND 1060 BANK STREET

OTTAWA, ONTARIO

Title:

SURROUNDING LAND USE PLAN

Scale: 1:2500	Date: 11/2019
Drawn by: YA	Report No.: PE4783-1
Checked by: MW	Dwg. No.: PE4783-2
Approved by: MSD	Revision No.:

p:\autocad drawings\environmental\pe47xx\pe4783\pe4783-2-surrounding land use plan.dwg

APPENDIX 1

CHAIN OF TITLE

SURVEY PLAN

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

PatersonGroup
Attn: Mandy

BRIEF DESCRIPTION OF LAND:

1050 and 1060 Bank St.
Lots 3, 4, 5, and 6, Plan 101126;
Lot A, Plan 116274 and Lot 2, plan 101126.

PIN: 04143-0674 (1050 Bank)
04143-0676 (1060 Bank)

LAST REGISTERED OWNER: 2641723 ONTARIO INC. (1050 Bank)
1172437 ONTARIO INC. (1060 Bank)

CHAIN OF TITLE:

Plan 36 registered Sep 2, 1872
By John Garland and Alex Mutchmor

Plan 158 registered Jan 22, 1896
By James McLean and George McLean

Lot 2, Plan 36, West Bank

Deed NP1512 registered Dep 21, 1872
From John Garland to Gilbert Berry

Deed NP6313 registered Apr 14, 1879
From Gilbert Berry to James Ritchie

Foreclosure NP16425 registered Feb 11, 1894
From M. L. & S. Company top John McNicol

Deed CR101125 registered Dec 21, 1910
From John McNicol to Thomas Clarey

Lot 1, Plan 36, West Bank

Deed NP2261 registered Sep 26, 1873
From Garland and Mutchmor to William Grier

Deed NP3218 registered Dec 7, 1874
From William Grier to William Loney

Deed NP4781 registered Sep 28, 1876
From William Loney to Thomas Keults

Deed NP7335 registered Jun 21, 1881
From Thomas Keults to Hugh Mason

Deed NP11030 registered May 7, 1886
From Hugh Mason to James Ritchie

Foreclosure NP16425 registered Feb 11, 1894
From M. L. & S. Company top John McNicol

Deed CR101125 registered Dec 21, 1910
From John McNicol to Thomas Clarey

Lot 1 and 2, Plan 158, West Bank

Deed NP18637 registered Aug 7, 1900
From James McLean to Thomas McNicol

Deed CR101125 registered Dec 21, 1910
From John McNicol to Thomas Clarey

Lot 1, Plan 158, North Euclide

Deed NP18711 registered Nov 22, 1900
From George McLean to Thomas McNicol

Deed CR101125 registered Dec 21, 1910
From John McNicol to Thomas Clarey

Plan 101126 registered Dec 21, 1910
By Thomas Clarey
(A subdivision of Lot 1 and 2, Plan 36, West Bank and Lot 1, Plan 158, North Euclide and Lot 1 and 2, Plan 158, West Bank)

Lot 1, Plan 101126

Deed 101127 registered Dec 21, 1910
From Thomas Clarey to William Spratt

Deed CR108616 registered Dec 7, 1911
From William Spratt to Francis Cluff and George Popham

Lot 2, Plan 101126

Deed CR105018 registered Jun 6, 1911
From Thomas Clarey to Stanley Metcalfe

Deed CR279156 registered Sep 6, 1949
From Stanley Metcalfe to William Karam

Deed CR279157 registered Sep 6, 1949
From William Karam to Canadian Oil Companies Limited

Lot 3, Plan 101126

Deed CR105016 registered Jun 6, 1911
From Thomas Clarey to Frederick Cluff

Tax Deed CR251845 registered Apr 10, 1945
To Corporation of Ottawa

Deed CR264216 registered Apr 9, 1947
From Corporation of Ottawa to Everest and Florence Welch

Deed CR285079 registered Aug 4, 1950
From Everest and Florence Welch to Arthur Duff

Deed CR307398 registered Jan 15, 1953
From Arthur Duff to J. Ernest Madden

Deed CR318741 registered Feb 18, 1954
From J. Ernest Madden to Blaney Sproule

Deed CR475368 registered Apr 10, 1964
From Blaney Sproule to Imperial Oil Limited

Lot 4, Plan 101126

Deed CR105020 registered Jun 6, 1911
From Thomas Clarey to Francis Cluff

Deed CR139638 registered Jun 28, 1917
From estate of Francis Cluff to Frederick Cluff

Deed CR191279 registered Feb 14, 1928
From Frederick Cluff to Imperial Oil Limited

Lot 5, Plan 101126

Deed CR103341 registered Apr 5, 1911
From Thoams Clarey to John McLennan

Deed CR191191 registered Feb 6, 1928
From John McLennan to Imperial Oil Limited

Lot 6, Plan 101126

Deed CR105613 registered Jul 3, 1911
From Thomas Clarey to George Popham

Deed CR138907 registered Apr 28, 1917
From George Popham to John Rochester

Deed CR174245 registered May 17, 1924
From John Rochester to Alexander M Warafe

Deed CR174246 registered May 17, 1924
From Alexander M Warafe to Walter Dudley

Deed CR174247 registered May 17, 1924
From Walter Dudley to Ledman Edwards

Deed CR190606 registered Dec 16, 1927
From Ledman Edwards to John Rochester

Deed CR191189 registered Feb 6, 1928
From John Rochester to Silvanus Waffle

Deed CR191190 registered Feb 6, 1928
From Silvanus Waffle to Imperial Oil Limited

Plan 116274 registered Nov 15, 1912
By Francis Cluff and George Popham
(subdivision of Lot 1, Plan 101126)

Lot A, Plan 116274

Deed170080 registered Jul 18, 1923
From George Popham to Cluff Realty Ltd.

Deed CR226423 registered Nov 17, 1938
From Cluff Realty Ltd. To Frederick Cluff

Deed CR227900 registered May 11, 1939
From Frederick Cluff to Canadian Oil Companies Limited

Lots 3, 4, 5, and 6, Plan 101126 (PIN 0674, 1050 Bank St.)

Deed N287439 registered May 17, 1985
From Imperial Oil Limited to 614762 Ontario Inc.

Deed OC2012950 registered Jul 12, 2018
From 614762 Ontario Inc. to 2641723 Ontario Inc.

Lot A, Plan 116274 and Lot 2, Plan 101126 (PIN 0676, 1060 Bank St.)
Deed CR354486 registered Dec 19, 1956
From Canadian Oil Companies Limited to Sun life Assurance Company of Canada

Deed CR665736 registered Jan 2, 1975
From Sun life Assurance Company of Canada to Shell Canada Limited

Deed CR669098 registered Apr 18, 1975
From Shell Canada Limited to Diego Papalia

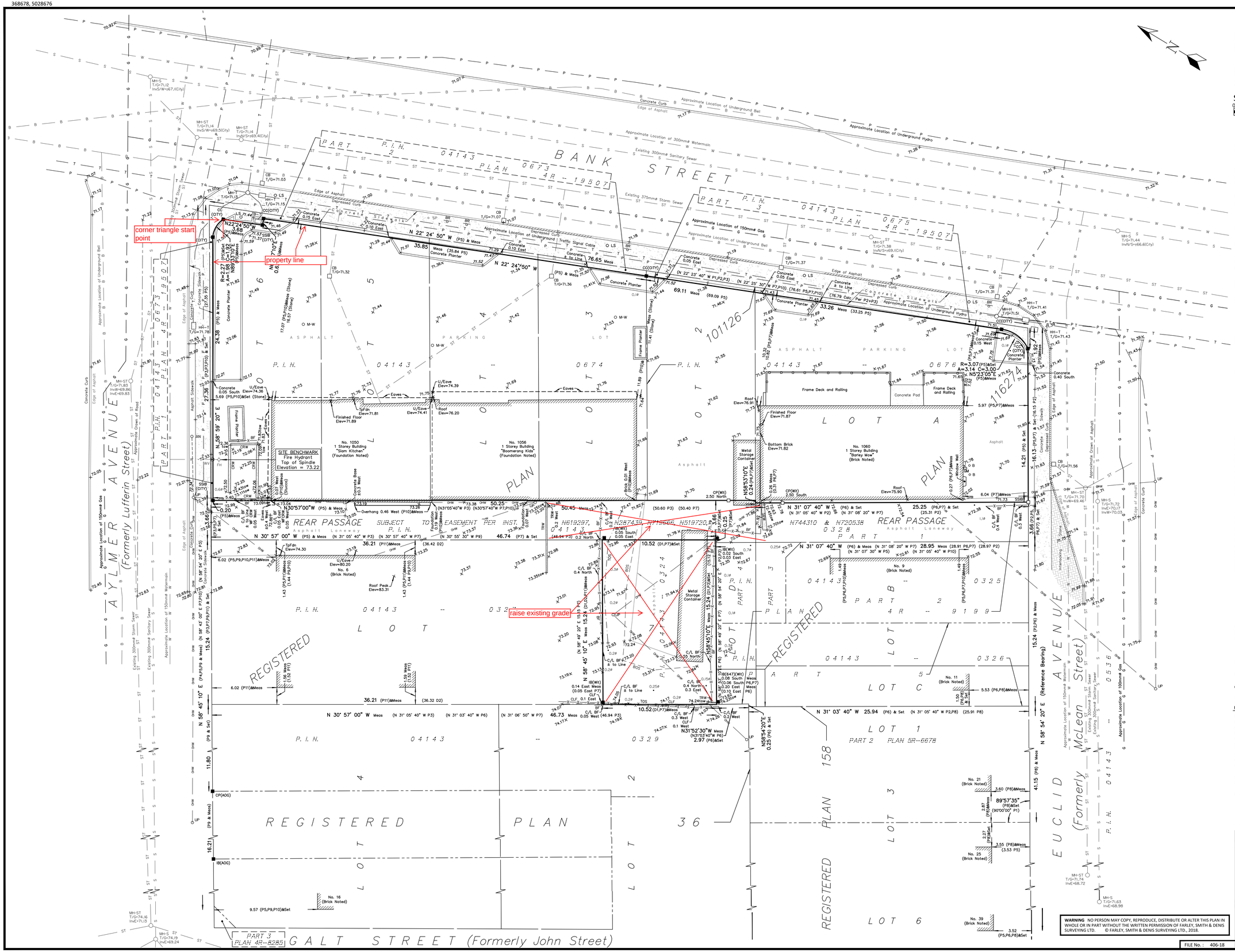
Deed NS46370 registered Mar 2, 1979
From Diego Papalia to 407503 Ontario Limited

Deed N390860 registered Jun 2, 1987
From 407503 Ontario Limited to Bel-Hel Holdings Inc.

Deed N432744 registered Apr 5, 1988
From Bel-Hel Holdings Inc. to 614762 Ontario Inc.

Deed N519720 registered Jan 11, 1990
From 614762 Ontario Inc. to William Bousada

Deed N744310 registered Jul 9, 1996
From William Bousada to 1172437 Ontario Inc.



TOPOGRAPHIC PLAN OF SURVEY OF

PART OF LOTS 2, 3, 4, 5, 6 AND 7 REGISTERED PLAN 101126 AND PART OF LOT A REGISTERED PLAN 116274 CITY OF OTTAWA

Scale 1: 150

0 1.5 3 6 9 12 15 metres

FARLEY, SMITH & DENIS SURVEYING LTD. 2018

Metric Note

Distances and coordinates on this plan are in metres and can be converted to feet by dividing by 0.3048.

Distance Note

Distances shown on this plan are ground distances and can be converted to grid distances by multiplying by the combined scale factor of 0.99945.

Bearing Note

Bearings are grid and are derived from the northerly limit of Euclid Avenue having a bearing of N 58° 54' 20" E as shown on Plan 4R-19507. Bearings are referred to the Central Meridian (76°30' West Longitude) MTM NAD-83 (Original) Zone 9

For bearing comparisons, a rotation of 0°38'40" counter-clockwise was applied to bearings on P1, P2, P3, P6, P7, P8 and P10.

For bearing comparisons, a rotation of 0°48'16" counter-clockwise was applied to bearings on P4.

For bearing comparisions, a rotation of 0°03'00" clockwise was applied to bearings on P9.

Elevation Notes

1. Elevations shown are geodetic and are referred to Geodetic Datum CGVD-1928 :1978.
2. Elevations are derived from a site benchmark shown on a plan of survey by (1692) dated May 20th, 2016 having a published elevation of 76.87 metres. (FSD File No. 116-16.)
3. 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

1. 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.
2. Only visible surface utilities were located.
3. Underground utility data derived from City of Ottawa utility sheet reference H-12-11, plan no. 2538 sheet 7 of 7, drawing 11617p&p10 and drawing 11617p&p16.
4. Sanitary and storm sewer grades and inverts were compiled from field measurement and City of Ottawa utility sheets.
5. A field location of underground plant by the pertinent utility authority is mandatory before any work involving breaking ground, probing, excavating etc.

Notes & Legend

—□—	Denotes	Survey Monument Planted
—■—	"	Survey Monument Found
SSIB	"	Short Standard Iron Bar
IB	"	Iron Bar
CC	"	Cut Cross
CP	"	Concrete Pin
(Wit)	"	Witness
Meas	"	Measured
(P1)	"	Registered Plan 158
(P2)	"	Registered Plan 116274
(P3)	"	Registered Plan 101126
(P4)	"	Registered Plan 36
(P5)	"	Plan 4R-19507
(P6)	"	Plan 4R-9199
(P7)	"	Plan By (1319) Dated November 21, 1989 (Ref. 1-101126 & 2-116274
(P8)	"	Plan By (1319) Dated October 19, 1992 (Ref. 1-158c)
(P9)	"	Plan By (AOG) Dated March 25, 2003 (Job No. 4251-03)
(P10)	"	Plan By (AOG) Dated August 19, 1987 (Job No. 463-87)
(P11)	"	Plan By (857) Dated April 10, 1974 (Ref. 2-101126)
(D1)	"	Inst. N519720
(D2)	"	Inst. N619297
MH-ST	"	Maintenance Hole (Storm)
MH-S	"	Maintenance Hole (Sanitary)
MH-T	"	Maintenance Hole (Traffic)
MH-H	"	Maintenance Hole (Hydro)
H-T	"	Hand Hole (Traffic)
—— ST ——	"	Underground Storm Sewer
—— S ——	"	Underground Sanitary Sewer
—— W ——	"	Underground Water
—— P ——	"	Underground Power
—— OHW ——	"	Overhead Wires
—— B ——	"	Underground Bell
—— T ——	"	Underground Traffic Signal Cable
—— G ——	"	Underground Gas
LP	"	Utility Pole
AN	"	Anchor
LS	"	Light Standard
CB	"	Catch Basin
CBI	"	Catch Basin Inlet
FH	"	Fire Hydrant
WV	"	Water Valve
SP	"	Water Stand Post
Inv.	"	Invert
T/G	"	Top of Grate
GM	"	Gas Meter
TB-T	"	Traffic Terminal Box
B	"	Bollard
S	"	Sign
BR	"	Bike Rack
M-W	"	Monitoring Well
Ø	"	Diameter
CLF	"	Chain Link Fence
BF	"	Board Fence
CRW	"	Concrete Retaining Wall
SRW	"	Stone Retaining Wall
TRW	"	Timber Retaining Wall
WF	"	West Face
tow	"	Top of Wall
C/L	"	Centreline
TpFdn	"	Top of Foundation
U/Eave	"	Underside of Eave
Elev	"	Elevation
TOS	"	Top of Slope
BOS	"	Bottom of Slope
65.00	"	Location of Elevations
65.00	"	Top of Concrete Curb Elevation
	"	Property Line
.	"	Deciduous Tree

ASSOCIATION OF ONTARIO LAND SURVEYORS
PLAN SUBMISSION FORM

THIS PLAN IS NOT VALID UNLESS IT IS AN EMBOSSED ORIGINAL COPY ISSUED BY THE SURVEYOR In accordance with Regulation 1026, Section 29 (3).

Surveyor's Certificate

I certify that :

1. This survey and plan are correct and in accordance with the Surveys Act, the Surveyors Act and the Regulations made under them.
2. The survey was completed on the 11th day of September, 2018.

_____ Date

_____ Daniel Robinson, Ontario Land Surveyor

FARLEY, SMITH & DENIS SURVEYING LTD.
ONTARIO LAND SURVEYORS
CANADA LAND SURVEYORS
190 COLONNADE ROAD, OTTAWA, ONTARIO K2E 7J5
TEL. (613) 727-8226 FAX. (613) 727-1826

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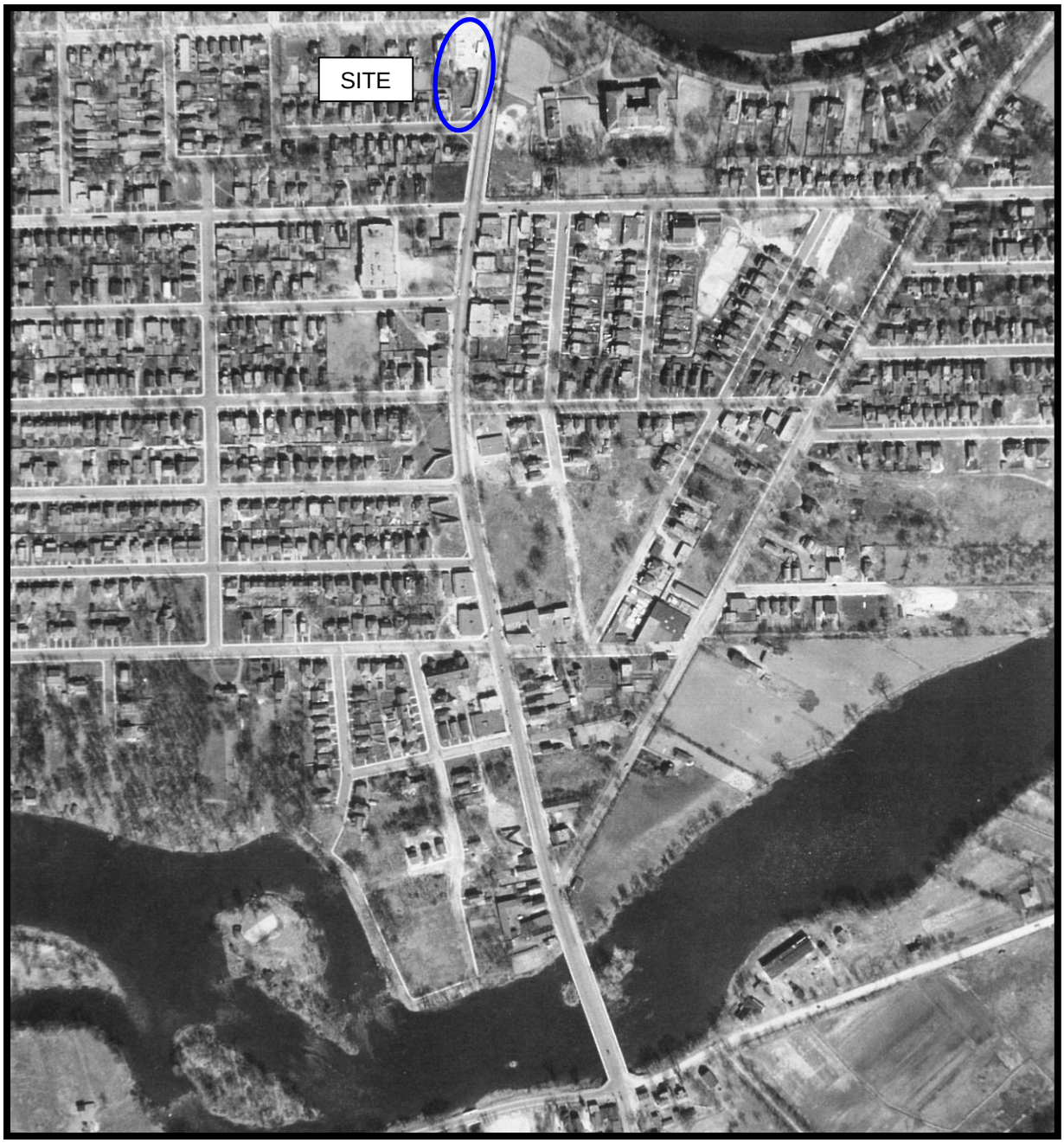
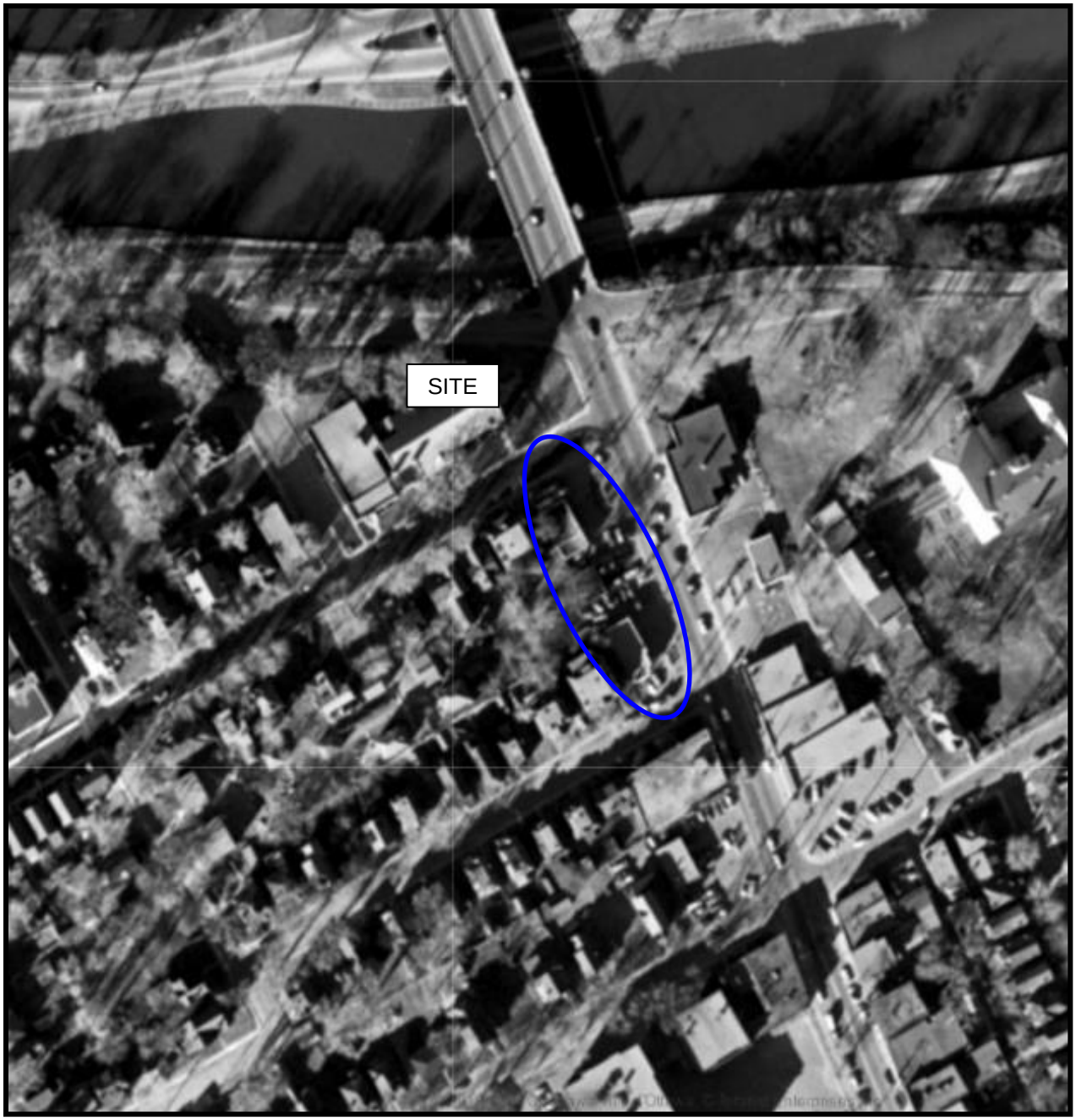
FILE No. : 406-18



AERIAL PHOTOGRAPH
1928

patersongroup



AERIAL PHOTOGRAPH
1958

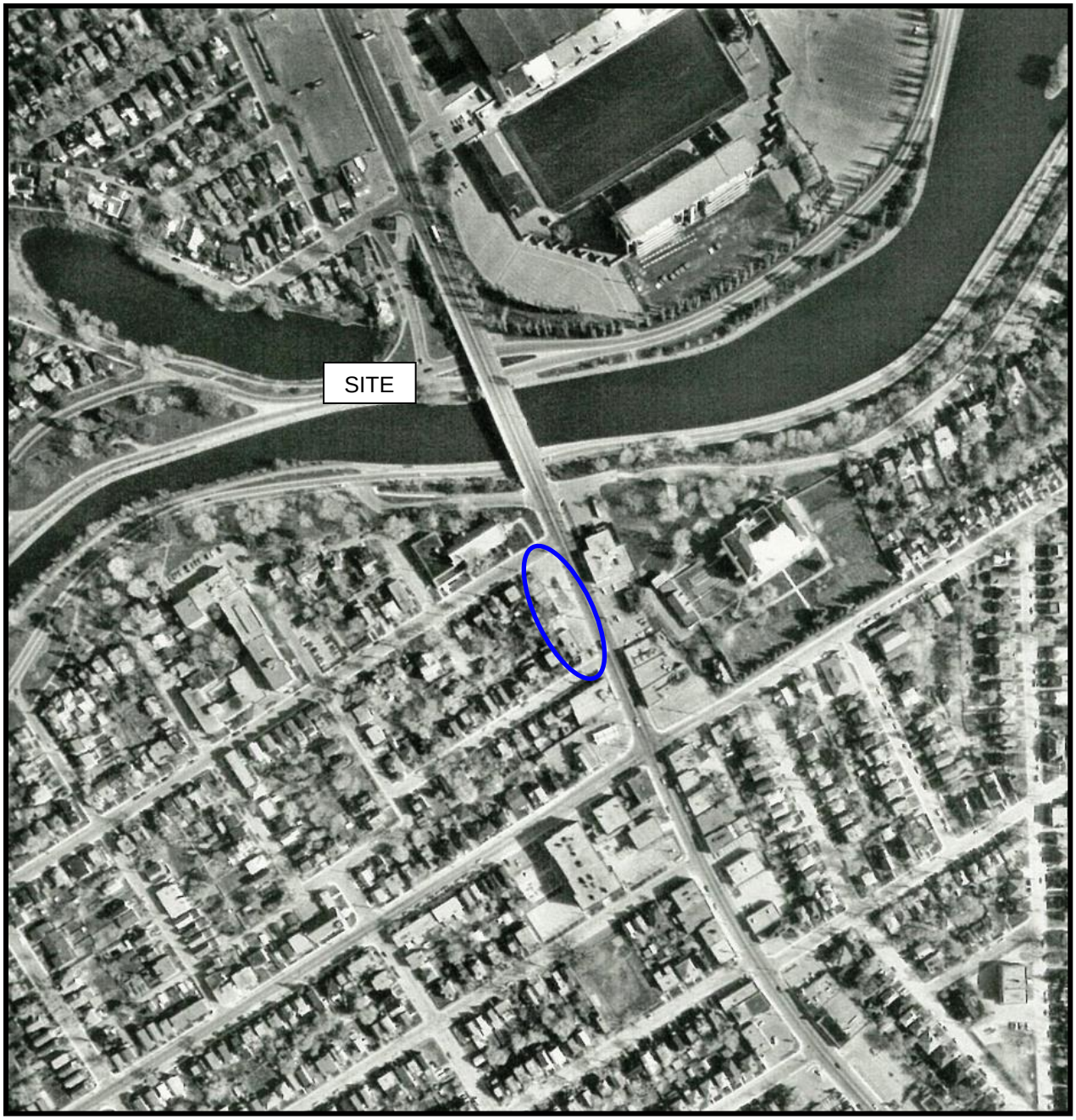
patersongroup

AERIAL PHOTOGRAPH
1965

patersongroup

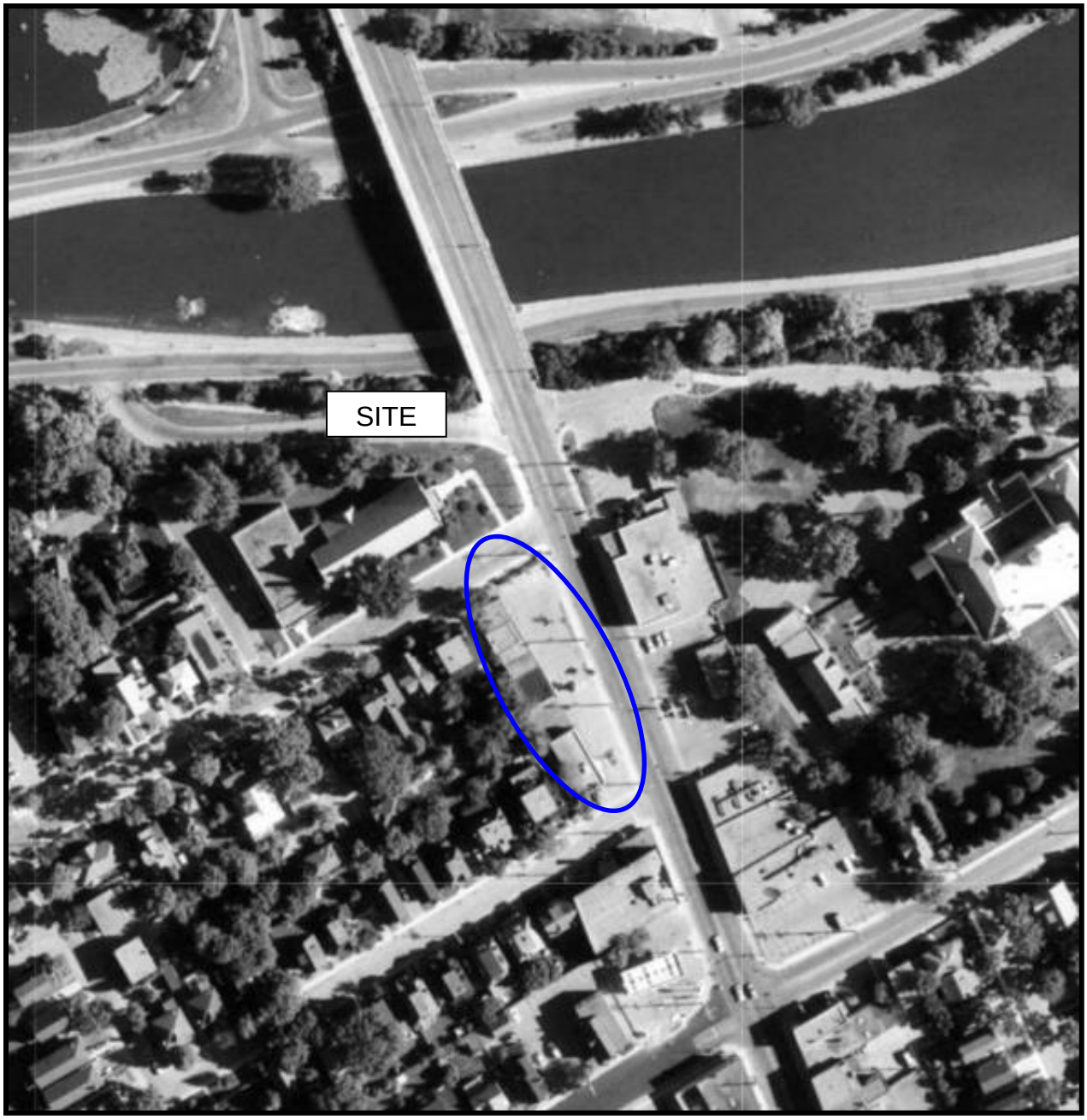
AERIAL PHOTOGRAPH
1975

patersongroup



AERIAL PHOTOGRAPH
1984

patersongroup



AERIAL PHOTOGRAPH
1991

patersongroup

AERIAL PHOTOGRAPH
2002

patersongroup

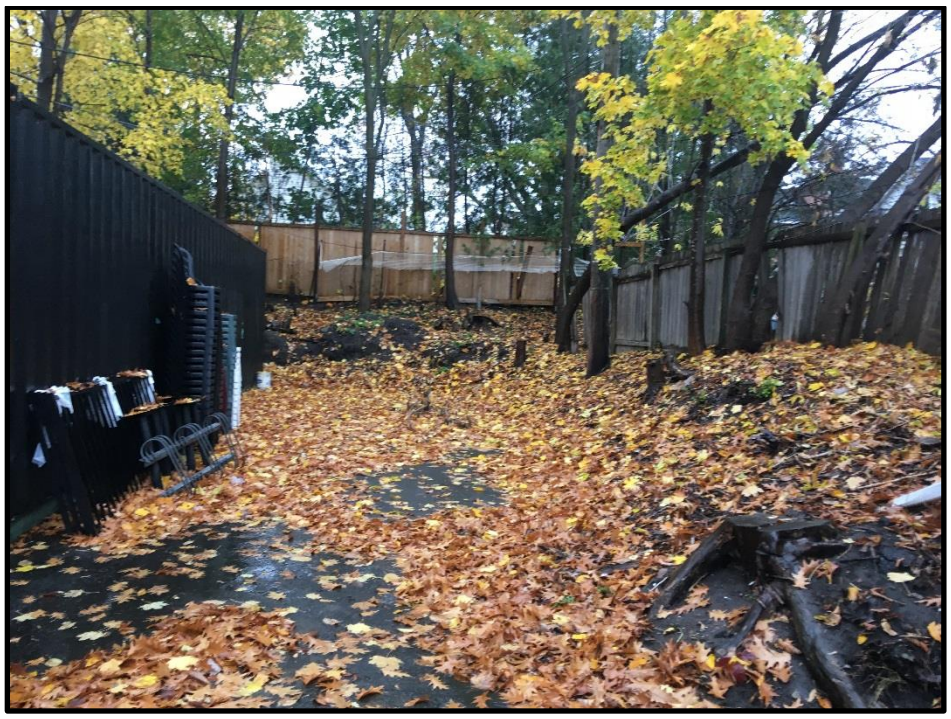
AERIAL PHOTOGRAPH
2017

patersongroup

Photograph 1: Northwestern view of the Phase I Property (1050 Bank Street) from Bank Street looking northwest.

Photograph 2: Southwestern view of the Phase I Property (1060 Bank Street) from Bank Street, looking southwest.

Photograph 3: Storage area behind Barley Mow, looking southwest. Photograph illustrates residential property adjacent to the west of 1060 Bank Street, across the easement.



Photograph 4: West-central view of the Phase I Property (part of 1060 Bank Street), looking west.

Photograph 5: View of the northern portion of the Phase I Property, looking southeast. Photograph illustrates commercial properties to the adjacent east, across Bank Street.

Photograph 6: Photograph illustrates access laneway/easement adjacent to the west of the Phase I property, facing north.

APPENDIX 2

MECP FREEDOM OF INFORMATION

MECP WELL RECORDS

CITY OF OTTAWA HLUI SEARCH

TSSA CORRESPONDENCE

Ministry of the Environment, Conservation and Parks

Access and Privacy Office

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

Ministère de l'Environnement, de la Protection de la nature et des Parcs

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

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

Ontario

October 25, 2019

Mandy Witteman
Paterson Group Inc.
154 Colonnade Road
Ottawa, ON K2E 7J5

Dear Mandy Witteman:

RE: ***Freedom of Information and Protection of Privacy Act* Request**
Our File # A-2019-07317, Your Reference PE4303

The Ministry is in receipt of your request made pursuant to the *Freedom of Information and Protection of Privacy Act* and has received your payment in the amount of $5.00 (non-refundable application fee), along with your $30.00 deposit.

The search is being conducted on the following: 1050 and 1060 Bank Street, Ottawa. If there is any discrepancy please contact us immediately.

You may expect a reply or additional communication as your request is processed. For your information, the Ministry charges for search, copying and preparation time.

If you have any questions regarding this matter, please contact Dany Briollais at dany.briollais@ontario.ca.

Yours truly,

Janet Dadufalza
Manager, Access and Privacy

Ontario

Map: Well records

This map allows you to search and view well record information from reported wells in Ontario.

Full dataset is available in the Open Data catalogue.

Go Back to Map

Well ID

Well ID Number: 7193173
Well Audit Number: *Z153962*
Well Tag Number: *A130148*

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

Well Location

Address of Well Location	1047 BANK 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: 446317.00 Northing: 5027157.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
	----			0 m	.1 m
GREY	SAND	SILT		.1 m	.2 m
BRWN	GRVL	SILT		.2 m	.36 m
BRWN	SAND	SILT		.36 m	1.83 m
BRWN	SAND	SILT		1.83 m	2.54 m
BRWN	SAND	GRVL		2.54 m	5.01 m

Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed
0 m	1.83 m	BENTONITE	

Method of Construction & Well Use

Method of Construction	Well Use
Other Method	
GEOPROBE	Monitoring

Status of Well

Observation Wells

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
3.5 cm	PLASTIC	0 m	2.1 m

Construction Record - Screen

Outside	Material	Depth	Depth

Diameter		From	To
4.2 cm	PLASTIC	2.1 m	5.01 m

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
3.76 m	

Hole Diameter

Depth From	Depth To	Diameter
0 m	5.01 m	8.89 cm

Audit Number: Z153962

Date Well Completed: August 28, 2012

Date Well Record Received by MOE: December 10, 2012

Updated: March 7, 2019

Recommended for you

Ontario

Map: Well records

This map allows you to search and view well record information from reported wells in Ontario.

Full dataset is available in the Open Data catalogue.

Go Back to Map

Well ID

Well ID Number: 7193173
Well Audit Number: *Z153962*
Well Tag Number: *A130148*

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

Well Location

Address of Well Location	1047 BANK 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: 446317.00 Northing: 5027157.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
	----			0 m	.1 m
GREY	SAND	SILT		.1 m	.2 m
BRWN	GRVL	SILT		.2 m	.36 m
BRWN	SAND	SILT		.36 m	1.83 m
BRWN	SAND	SILT		1.83 m	2.54 m
BRWN	SAND	GRVL		2.54 m	5.01 m

Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed
0 m	1.83 m	BENTONITE	

Method of Construction & Well Use

Method of Construction	Well Use
Other Method	
GEOPROBE	Monitoring

Status of Well

Observation Wells

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
3.5 cm	PLASTIC	0 m	2.1 m

Construction Record - Screen

Outside	Material	Depth	Depth

Diameter		From	To
4.2 cm	PLASTIC	2.1 m	5.01 m

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
3.76 m	

Hole Diameter

Depth From	Depth To	Diameter
0 m	5.01 m	8.89 cm

Audit Number: Z153962

Date Well Completed: August 28, 2012

Date Well Record Received by MOE: December 10, 2012

Updated: March 7, 2019

Recommended for you

UTM 118 Z 414614210 E
9 5 R 5012617810 N
Elev. 9 R 40212 10
Basin 25

ONTARIO

The Well Drillers Act
Department of Mines, Province of Ontario

15 No 8165

RECEIVED
FEB 15 1950
GEOLOGICAL BRANCH
DEPARTMENT OF MINES

Water Well Record

City of Ottawa
[redacted] ST. AT. ~~EUCLID AVE~~
Con. Lot Pt. Lot
[redacted] 4 BANK ST. Acres OTTAWA
Date Completed [redacted] Cost of Well (not including pump) $1120.00

Pipe and Casing Record

Casing diameter(s) 8"
Length(s) of casing(s) 85 FT
Length of screen
Type of screen
Type of pump WORKING BARREL
Capacity of pump 2400 GAL. P.H.
Depth of pump setting 120 FT

Pumping Test

Date APRIL 29 49
Developed Capacity 2400 GAL. P.H.
Duration of Test 8 HOURES
Pumping Rate 2400 GAL. P.H.
Drawdown 50 FT
Static level of completed well 32 FT
Is well a gravel-wall type? NO

Water Record

Kind (fresh or mineral) MINERAL
Quality (hard, soft, contains iron, sulphur etc.) SULPHER
Appearance (clear, cloudy, coloured) CLEAR
For what purpose(s) is the water to be used? AIR CONDITION. MAYFAIR THEATRE
How far is well from possible source of contamination? NONE
What is source of contamination? NONE
Enclose a copy of any mineral analysis that has been made of water

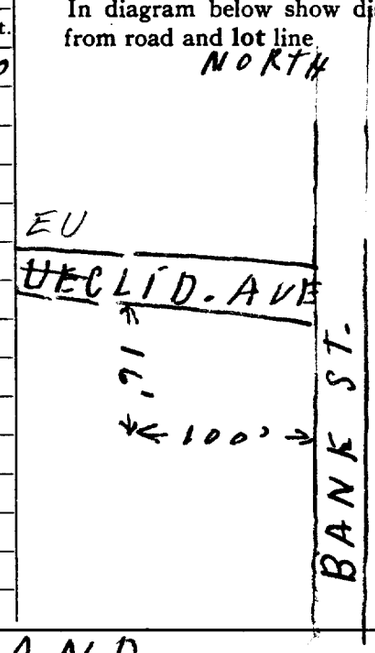
Depth(s) to Water Horizon(s)	Kind of Water	No. of Feet Water Rises
280	SULPHER	248

Well Log

Drift and Bedrock Record	From	To
FINE GREY SAND	0 ft.	83 ft.
GREY LIMESTONE	83	280

Location of Well

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



Situation: Is well on upland, in valley, or on hillside? UPLAND
Drilling Firm THOMAS H ADAMS
Address HURDMANS BRIDGE
Recorded by T H ADAMS Address HURDMANS BE
Date JAN 17/50 Licence Number 294

EUCLID AVE

Ontario

Map: Well records

This map allows you to search and view well record information from reported wells in Ontario.

Full dataset is available in the Open Data catalogue.

Go Back to Map

Well ID

Well ID Number: 7203574
Well Audit Number: *Z168911*
Well Tag Number: *A146541*

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

Well Location

Address of Well Location	1063 BANN 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: 446548.00 Northing: 5026939.00
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	SAND	SILT	SOFT	0 m	3.1 m
BRWN	FSND			3.1 m	7.62 m
BRWN	FSND		HARD	7.62 m	12.1 m
BRWN	FSND		HARD	12.1 m	12.71 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	9.14 m	BENTONITE	
9.14 m	12.71 m	SAND	

Method of Construction & Well Use

Method of Construction	Well Use
Direct Push	
	Monitoring and Test Hole

Status of Well

Test Hole

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
3.45 cm	PLASTIC	0 m	9.75 m

Construction Record - Screen

Outside	Material	Depth	Depth

Diameter		From	To
4.21 cm	PLASTIC	9.75 m	12.71 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	7.62 m	8.25 cm
7.62 m	12.71 m	5.71 cm

Audit Number: Z168911

Date Well Completed: May 21, 2013

Date Well Record Received by MOE: June 21, 2013

Updated: March 7, 2019

Recommended for you

Ontario

Map: Well records

This map allows you to search and view well record information from reported wells in Ontario.

Full dataset is available in the Open Data catalogue.

Go Back to Map

Well ID

Well ID Number: 7240281
Well Audit Number: *Z207419*
Well Tag Number: *A178633*

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

Well Location

Address of Well Location	1158 BANK 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: 446549.00 Northing: 5026807.00
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	SAND	SOFT	0 m	2.74 m
BRWN	FSND		HARD	2.74 m	6.1 m
BRWN	SAND	GRVL	HARD	6.1 m	9.14 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	5.79 m	BENTONITE	
5.79 m	9.14 m	SAND	

Method of Construction & Well Use

Method of Construction	Well Use
Other Method	
DIRECT PUSH	Monitoring and 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	6.1 m

Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To

4.82 cm PLASTIC 6.1 m 9.14 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	9.14 m	8.25 cm

Audit Number: Z207419

Date Well Completed: March 23, 2015

Date Well Record Received by MOE: April 22, 2015

Updated: March 7, 2019

Recommended for you

Ontario

Map: Well records

This map allows you to search and view well record information from reported wells in Ontario.

Full dataset is available in the Open Data catalogue.

Go Back to Map

Well ID

Well ID Number: 7240282
Well Audit Number: *Z207420*
Well Tag Number: *A178632*

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

Well Location

Address of Well Location	1158 BANKST
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: 446566.00 Northing: 5026820.00
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	SAND	SOFT	0 m	2.74 m
BRWN	FSND		HARD	2.74 m	6.1 m
BRWN	SAND	GRVL	HARD	6.1 m	9.14 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	5.79 m	BENTONITE	
5.79 m	9.14 m	SAND	

Method of Construction & Well Use

Method of Construction	Well Use
Other Method	
DIRECT PUSH	Monitoring and 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	6.1 m

Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To

4.82 cm PLASTIC 6.1 m 9.14 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	9.14 m	8.25 cm

Audit Number: Z207420

Date Well Completed: March 23, 2015

Date Well Record Received by MOE: April 22, 2015

Updated: March 7, 2019

Recommended for you

Ontario

Map: Well records

This map allows you to search and view well record information from reported wells in Ontario.

Full dataset is available in the Open Data catalogue.

Go Back to Map

Well ID

Well ID Number: 7252052
Well Audit Number: *Z215057*
Well Tag Number: *A175517*

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

Well Location

Address of Well Location	925 BANK STREET
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: 446567.00 Northing: 5027324.00
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			0 m	1.5 m
BRWN	FSND			1.5 m	3.66 m
BRWN	CSND			3.66 m	6.71 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	BENTONITE	
3.35 m	6.71 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
5.2 cm	PLASTIC	0 m	3.66 m

Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To

6.03 cm PLASTIC 3.66 m 6.71 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	6.71 m	11.4 cm

Audit Number: Z215057

Date Well Completed: October 22, 2015

Date Well Record Received by MOE: November 16, 2015

Updated: March 7, 2019

Recommended for you

Ontario

Map: Well records

This map allows you to search and view well record information from reported wells in Ontario.

Full dataset is available in the Open Data catalogue.

Go Back to Map

Well ID

Well ID Number: 7274037
Well Audit Number: *Z238046*
Well Tag Number: *A191074*

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

Well Location

Address of Well Location	
Township	OTTAWA CITY
Lot	
Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18 Easting: 446547.00 Northing: 5026823.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
GREY	GRVL			0 m	.61 m
BRWN	SAND			.61 m	4.88 m
BRWN	SAND	CSND		4.88 m	7.32 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	3.96 m	BENTONITE	
3.96 m	7.32 m	SAND	

Method of Construction & Well Use

Method of Construction	Well Use
Rotary (Convent.)	
	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	OTHER	0 m	4.27 m

Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To

4.82 cm OTHER 4.27 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	7.32 m	15.24 cm

Audit Number: Z238046

Date Well Completed: October 01, 2016

Date Well Record Received by MOE: October 28, 2016

Updated: March 7, 2019

Recommended for you

Ontario

Map: Well records

This map allows you to search and view well record information from reported wells in Ontario.

Full dataset is available in the Open Data catalogue.

Go Back to Map

Well ID

Well ID Number: 7295175
Well Audit Number: *C36215*
Well Tag Number: *A194839*

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: 446601.00 Northing: 5026851.00
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: 7543

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: C36215

Date Well Completed: June 28, 2017

Date Well Record Received by MOE: September 22, 2017

Updated: March 7, 2019

Recommended for you

Ontario Ministry of the Environment

Well Tag No. for Master Well *(Place Sticker and/or Print Below)*
2 MW abandonments
NO Tag MW03-3

Master Well Record for Cluster Well Construction

Regulation 903 Ontario Water Resources Act

Master Well Owner's and Land Owner's Information

First Name	Last Name	E-mail Address
City of Ottawa		

Mailing Address (Street Number/Name, RR)	Municipality	Province	Postal Code	Telephone No. *(inc. area code)*
110 Laurier Ave. West	Ottawa	ON	K1A1J1	6135802400

Location and Construction of the Master Well in the Cluster

Address of Well Location (Street Number/Name, RR)	Township	Lot	Concession
(Ur-27) Lansdowne Park			

County/District/Municipality	City/Town/Village	Province	Postal Code
Ottawa	Ottawa	Ontario	

UTM Coordinates	Zone	Easting	Northing	GPS Unit Make	Model
NAD 83	18	446572	5027312	Garmin	GPS III Plus

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
2 Monitoring Well Abandonments					
Remove monitoring wells; overdrill and backfill bore holes with bentonite, holeplug to surface as per ONT MOE Reg 903					

Hole Details

Depth (Metres) From	To	Diameter (Centimetres)
0	6.10	

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* monitoring

No Casing and Screen Used

Open Hole ☐ Yes ☑ No

Static Water Level Test

Metres

Screen

☐ Galvanized ☐ Steel ☐ Fibreglass ☐ Concrete ☐ Plastic

Outside Diameter (Centimetres)	Slot No.

Construction Details

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

Water Details

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

Disinfected ☐ Yes ☑ No If no, provide reason:

Date Master Well ~~Completed~~ abandonment *(yyyy/mm/dd)* 2007/10/04

Annular Space/Abandonment Sealing Record

Depth Set at (Metres) From	To	Type of Sealant Used *(Material and Type)*	Volume Used *(Cubic Metres)*
0	6.1	Bentonite holeplug	60 Kgs

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

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 upon request

Signature of Technician/Contractor | Date *(yyyy/mm/dd)*

[redacted]

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
George Downing Estate Drilling	1814

Business Address (Street No./Name, number, RR)	Municipality
410 Rue Principale	Grenville-sur-la-Rouge

Province	Postal Code	Business E-mail Address
Qc	J0V1B0	downing@explornet.com

Bus. Telephone No. *(inc. area code)*	Name of Well Technician (Last Name, First Name)
8192426469	Downing Bruce

Well Technician's Licence No.	Signature of Technician	Date Submitted *(yyyy/mm/dd)*
2173		2008/09/09

Audit No.	Well Contractor No.
M 01098	
Date Received *(yyyy/mm/dd)* DEC 29 2008	**Date of Inspection** *(yyyy/mm/dd)*

Remarks

1992 (11/2006)

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Ontario

Ministry of the Environment

Well Tag No. for Master Well *(Print Well Tag No.)*
mw abandonments
NO Tag

Cluster Well Information for Cluster Well Construction

Regulation 903 Ontario Water Resources Act

Page 1 of 1

Property Owner's Information

First Name	Last Name	Mailing Address (Street No./Name, RR)	Municipality
City of Ottawa		110 Laurier Ave. West	Ottawa

Province	Postal Code	E-mail Address	Telephone No. (inc. area code)
ON	K1P1J1		613 580 2400

Cluster Well Information

Address of Well Location (Street Number/Name, RR)	Lot	Concession	Township	County/District/Municipality
(Ur-27) Lansdowne Park				

City/Town/Village	Province	Postal Code	GPS Unit Make	Model	Unit Mode of Operation
Ottawa	Ontario		Garmin	GPS III Plus	☑ Undifferentiated ☐ Averaged ☐ Differentiated, specify:

[redacted]

upon request

Signature of Technician/Contractor	Date (yyyy/mm/dd)
	2008/09/09

Well # on Sketch	UTM Coordinates Zone	Easting	Northing	Full Depth of Hole (metres)	Hole Diameter (cm)	Method of Construction	Casing Material	Casing Length (metres)	Screen Interval (metres) From	To	Annular Space Sealant Used	Static Water Level (metres)	Abandonment Sealant Used	Comments	Date of ~~Completion~~ abandonment (yyyy/mm/dd)
mw 03-1	18	446712	5027731	4.57	20								bentonite	holeplug	2007/10/04

Well Contractor and Well Technician Information

Business Name of Well Contractor	Business Address (Street Number/Name, RR)	Municipality	Province
George Downing Estate Drilling LTD	410 Rue Principale	Grenville-sur-la-Rouge	Qc

Postal Code	Business Telephone No. (inc. area code)	Well Contractor's Licence No.	Business E-mail Address
J0V1B0	819 242 6469	1844	downing@explornet.com

Name of Well Technician (First Name, Last Name)	Well Technician's Licence No.	Date Submitted (yyyy/mm/dd)	Signature of Technician
Bruce Downing	2173		

Date 1st Well in Cluster Constructed (yyyy/mm/dd)	Date Last Well in Cluster Constructed (yyyy/mm/dd)
2007/10/04	2007/10/04

Ministry Use Only

Date Received (yyyy/mm/dd)	Date Inspected (yyyy/mm/dd)
DEC 29 2008	
Audit No. C 03091	Remarks M01098

1991 (11/2006)

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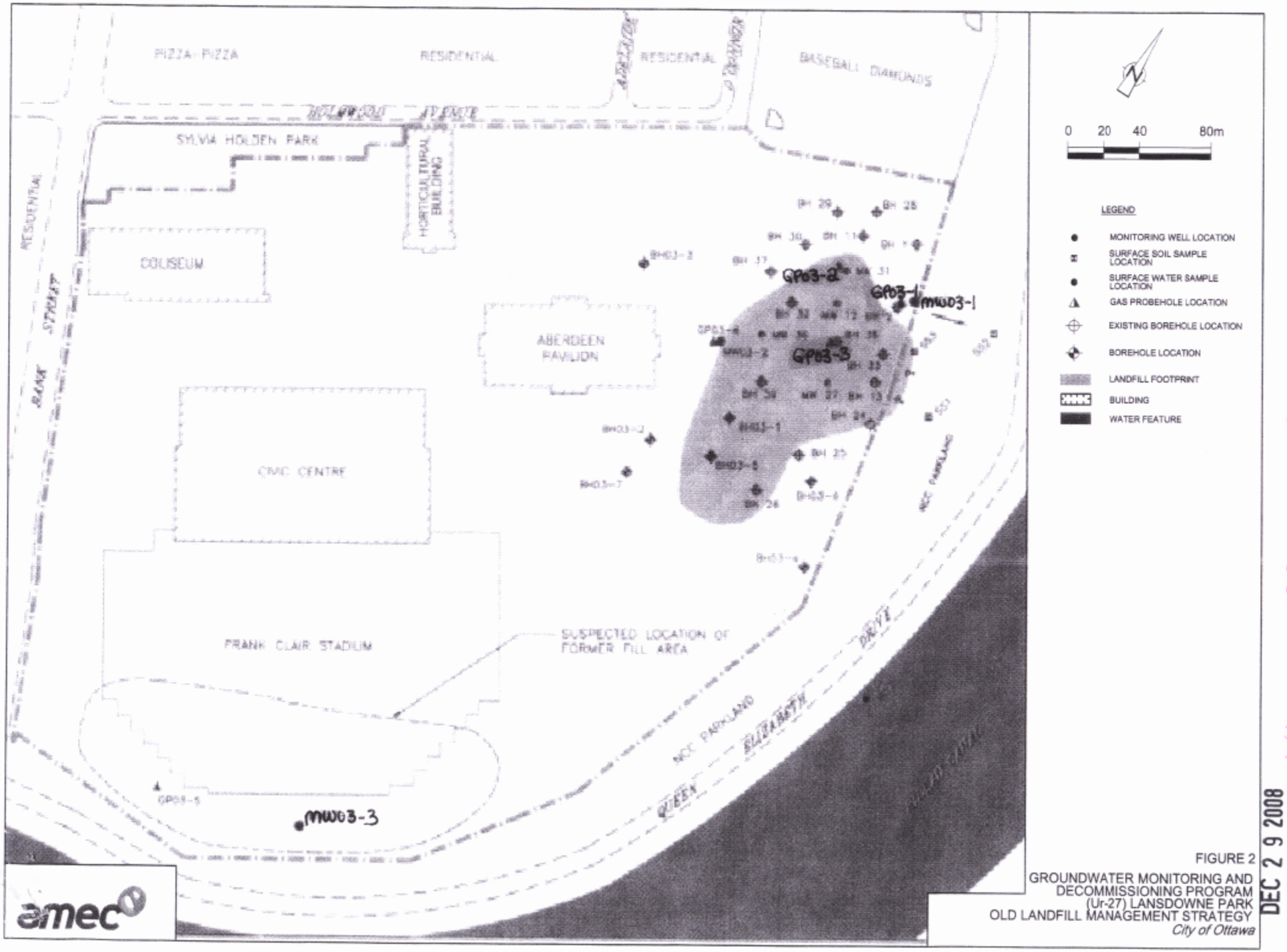

FIGURE 2
GROUNDWATER MONITORING AND DECOMMISSIONING PROGRAM
(Ur-27) LANSDOWNE PARK
OLD LANDFILL MANAGEMENT STRATEGY
City of Ottawa

amec

DEC 2 9 2008

C-1844 M01098 C03091

Ontario Ministry of the Environment

Well Tag (Enter and/or Print Below): A 068585

A068585 MW 08-19

Master Well Record for Cluster Well Construction

Regulation 903 Ontario Water Resources Act

Master Well Owner's and Land Owner's Information

First Name	Last Name	E-mail Address
Royal College of Physicians + Surgeons		

Mailing Address (Street Number/Name, RR)	Municipality	Province	Postal Code	Telephone No. (inc. area code)
780 Echo Drive	Ottawa	ON		

Location and Construction of the Master Well in the Cluster

Address of Well Location (Street Number/Name, RR)	Township	Lot	Concession
780 Echo Drive			

County/District/Municipality	City/Town/Village	Province	Postal Code
	Ottawa	Ontario	

UTM Coordinates	Zone	Easting	Northing	GPS Unit Make	Model	Mode of Operation
NAD 83	18	446515	5021095	Garmin	Etrex	☐ 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
Grey	Sand		coarse, gravelly	0	0.6
Brown	Silty sand		med to fine, moist	0.6	2.1
Brown	Silty Sand		fine, moist to wet	2.1	13.4

Hole Details

MW#19

Depth (Metres) From	To	Diameter (Centimetres)
0	13.4	20

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 HSA
☐ 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

No Casing and Screen Used

Open Hole ☐ Yes ☑ No

Static Water Level Test

11.3 Metres

Screen

☐ Galvanized ☐ Steel ☐ Fibreglass ☐ Concrete ☑ Plastic

Outside Diameter (Centimetres): 5.8 Slot No.: 10

Construction Details

Inside Diameter (Centimetres)	Material (steel, plastic, fibreglass, concrete, galvanized)	Wall Thickness	Depth (Metres) From	To
5.1	PVC	Sched 40	0	10.0

Water Details

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

Disinfected ☐ Yes ☑ No If no, provide reason: Monitoring wells

Date Master Well Completed (yyyy/mm/dd): 2008/08/26

Annular Space/Abandonment Sealing Record

Depth Set at (Metres) From	To	Type of Sealant Used (Material and Type)	Volume Used (Cubic Metres)
0	10.0	Bentonite slurry	200 Kgs

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: 5

Total Wells on this Property: unknown

Please indicate Number of Cluster Well Information Log Sheets Submitted: 1

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 upon request

Signature of Technician/Contractor: [signature] Date (yyyy/mm/dd): 2008/09/30

Master Well Owner's/Land Owner's consent to use Cluster Form

Signature: [signature] Date (yyyy/mm/dd): 1/10/09

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
George Downing Estate Drilling	1814

Business Address (Street No./Name, number, RR)	Municipality
410 Rue Principale	Grenville-sur-la-Rouge

Province	Postal Code	Business E-mail Address
Qc	J0V1B0	downing@xplornet.com

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)
8192426469	Downing, Bruce

Well Technician's Licence No.	Signature of Technician	Date Submitted (yyyy/mm/dd)
2173	[signature]	2008/09/30

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Audit No.	Well Contractor No.
M 02887	
Date Received (yyyy/mm/dd)	**Date of Inspection (yyyy/mm/dd)**
OCT 19 2009	

Remarks

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Ontario — Ministry of the Environment

Well Tag No. (Single Well Tag No.): A 068585

A068585.

Cluster Well Information for Cluster Well Construction

Regulation 903 Ontario Water Resources Act

Property Owner's Information

First Name	Last Name	Mailing Address (Street No./Name, RR)	Municipality
Royal College of Physicians + Surgeons		780 Echo Drive	Ottawa

Province	Postal Code	E-mail Address	Telephone No. (inc. area code)
ON			

Consent

Property Owner's Consent to use cluster form

Signature	Date (yyyy/mm/dd)
	1/10/09

Consent to release additional information to the Director upon request

Signature of Technician/Contractor	Date (yyyy/mm/dd)
	2008/09/30

Cluster Well Information

Address of Well Location (Street Number/Name, RR)	Lot	Concession	Township	County/District/Municipality
780 Echo Drive				

City/Town/Village	Province	Postal Code	GPS Unit Make	Model	Unit Mode of Operation
Ottawa	Ontario				☐ Undifferentiated ☐ Averaged ☐ Differentiated, specify:

Well # on Sketch	UTM Coordinates Zone	Easting	Northing	Full Depth of Hole (metres)	Hole Diameter (cm)	Method of Construction	Casing Material	Casing Length (metres)	Screen Interval (metres) From	Screen Interval (metres) To	Annular Space Sealant Used	Static Water Level (metres)	Abandonment Sealant Used	Comments	Date of Completion (yyyy/mm/dd)
MW# 16	18	446506	5027108	13.4	20	HSA	PVC	10.0	10.0	13.4	Bentonite slurry	12.5			2008/08/20
MW# 20	18	446508	5027084	14.0	↓	↓	↓	10.5	10.5	14.0	↓	12.8			2008/08/20
MW# 21	18	446511	5027080	13.4	↓	↓	↓	10.0	10.0	13.4	↓	13.0			2008/08/19
MW# 18	18	446515	5027091	13.1	↓	↓	↓	10.0	10.0	13.4	↓	12.5			2008/08/21
~~MW# 19~~															~~2008/~~

Date 1st Well in Cluster Constructed (yyyy/mm/dd)	Date Last Well in Cluster Constructed (yyyy/mm/dd)
2008/08/19	2008/08/21

Well Contractor and Well Technician Information

Business Name of Well Contractor	Business Address (Street Number/Name, RR)	Municipality	Province
George Downing Estate Drilling LTD.	410 Rue Principale	Grenville-sur-la-Rouge	Qc

Postal Code	Business Telephone No. (inc. area code)	Well Contractor's Licence No.	Business E-mail Address
J0V1B0	819 242 6469	1844	downing@xplornet.com

Name of Well Technician (First Name, Last Name)	Well Technician's Licence No.	Date Submitted (yyyy/mm/dd)	Signature of Technician
Bruce Downing	2173	2008/09/30	

Ministry Use Only

Date Received (yyyy/mm/dd)	Date Inspected (yyyy/mm/dd)
OCT 19 2009	
Audit No.	**Remarks**
C 01985	M02887

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Measurements recorded in: ☑ Metric ☐ Imperial

Well Tag No. (Place Sticker and/or Print Below): A097315 **A 097315**

Well Record

Regulation 903 Ontario Water Resources Act

7351 Page 1 of 1

[redacted]

Address of Well Location (Street Number/Name)	Township	Lot	Concession
Bank and Sunnyside			

County/District/Municipality	City/Town/Village	Province	Postal Code
	Ottawa	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	446483	5026970		

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	Depth (m/ft) To
BRN	sand	gravel	packed, dry	0	3.66
BRN	sand	silt	dense, dry	3.66	5.79
BRN	till		hard, damp	5.79	7.01

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
0	3.66	Bensead	
3.66	7.01	filter sand	

Results of Well Yield Testing

After test of well yield, water was: ☐ Clear and sand free ☐ Other, specify

If pumping discontinued, give reason:

Pump intake set at (m/ft)

Pumping rate (l/min / GPM)

Duration of pumping ____ hrs + ____ min

Final water level end of pumping (m/ft)

If flowing give rate (l/min / GPM)

Recommended pump depth (m/ft)

Recommended pump rate (l/min / GPM)

Well production (l/min / GPM)

Disinfected? ☐ Yes ☐ No

Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
50		50	
60		60	

Method of Construction

☐ Cable Tool ☐ Diamond
☐ Rotary (Conventional) ☐ Jetting
☐ Rotary (Reverse) ☐ Driving
☐ Boring ☐ Digging
☐ Air percussion
☑ Other, specify DIRECT PUSH

Well Use

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

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
4.03	PVC	.361	0	3.96

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To
4.82	PVC	10	3.96	7.01

Status of Well

☐ 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

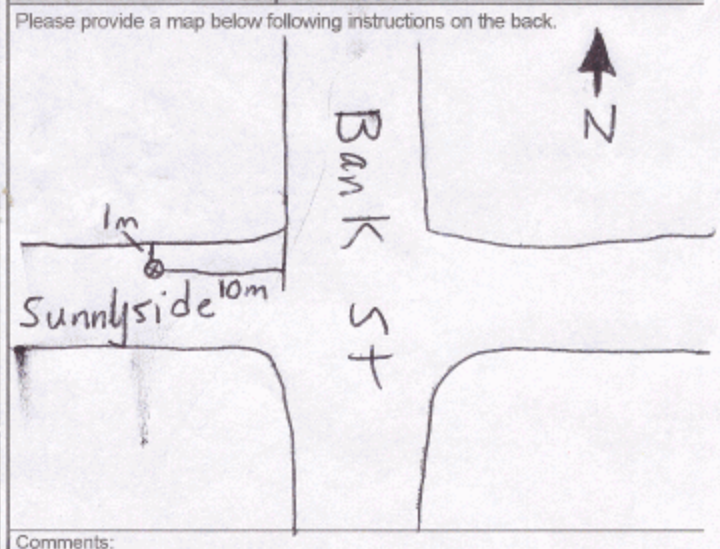
Water found at Depth (m/ft)	Kind of Water	
	☐ Gas	☐ Fresh ☐ Untested ☐ Other, specify
	☐ Gas	☐ Fresh ☐ Untested ☐ Other, specify
	☐ Gas	☐ Fresh ☐ Untested ☐ Other, specify

Hole Diameter

Depth (m/ft) From	Depth (m/ft) To	Diameter (cm/in)
0	5.79	8.25
5.79	7.01	5.71

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Strata Soil Sampling	7241

Business Address (Street Number/Name)	Municipality
#2-147 West Beaver Creek	Richmond Hill

Province	Postal Code	Business E-mail Address
ON	L4B1G6	

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)
(905) 764-1804	Robinson Travis

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
3154		2010 04 27

Well owner's information package delivered	Date Package Delivered	Date Work Completed
☐ Yes ☐ No	Y Y Y Y M M D D	2010 04 11

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Ministry of the Environment

Measurements recorded in: ☑ Metric ☐ Imperial

Well Tag No. *(Place Sticker and/or Print Below)* A097265

Well Record

Regulation 903 Ontario Water Resources Act

Page 1 of 1

[redacted]

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
297 Sunnyside Ave (Sunnyside + Bank)			

County/District/Municipality	City/Town/Village	Province	Postal Code
	Ottawa	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	446484	5026972		

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

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m^3/ft^3)
0	.31	Asphalt Repair	
.31	1.83	Benseal	
1.83	7.32	Grout Slurry	

Method of Construction

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

Well Use

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

Construction Record - Casing

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	.390	0	.91

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	To
4.21	PVC	10	.91	7.32

Status of Well

☐ 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* Not Needed
☐ Other, *specify* _____

Water Details

Water found at Depth (m/ft)	Kind of Water: ☐ Fresh ☐ Untested ☐ Gas ☐ Other, *specify*
Water found at Depth (m/ft)	Kind of Water: ☐ Fresh ☐ Untested ☐ Gas ☐ Other, *specify*
Water found at Depth (m/ft)	Kind of Water: ☐ Fresh ☐ Untested ☐ Gas ☐ Other, *specify*

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)
0	1.83	20.32

Results of Well Yield Testing

After test of well yield, water was:
☐ Clear and sand free
☐ Other, *specify* _____

If pumping discontinued, give reason:

Pump intake set at *(m/ft)*

Pumping rate *(l/min / GPM)*

Duration of pumping
____ hrs + ____ min

Final water level end of pumping *(m/ft)*

If flowing give rate *(l/min / GPM)*

Recommended pump depth *(m/ft)*

Recommended pump rate *(l/min / GPM)*

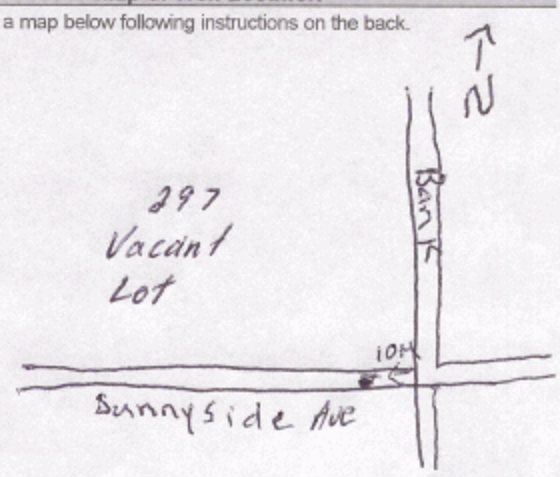
Well production *(l/min / GPM)*

Disinfected?
☐ Yes ☐ No

Draw Down Time (min)	Water Level (m/ft)	Recovery Time (min)	Water Level (m/ft)
Static Level			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
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:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Strata Soil Sampling	7241

Business Address (Street Number/Name)	Municipality
147-2 West Beaver Creek	Richmond Hill

Province	Postal Code	Business E-mail Address
ON	L4B1C6	wrecords@stratasoil.com

Bus. Telephone No. *(inc. area code)*	Name of Well Technician (Last Name, First Name)
9057649304	Muir, Mike

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
3448		20100518

Well owner's information package delivered	Date Package Delivered	Date Work Completed
☐ Yes ☐ No		20100505

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Well Tag No. (Sticker and/or Print Below): **A 090648**

MW10-14

Master Well Record for Cluster Well Construction

Regulation 903 Ontario Water Resources Act

Master Well Owner's and Land Owner's Information

First Name	Last Name	E-mail Address
City of Ottawa		

Mailing Address (Street Number/Name, RR)	Municipality	Province	Postal Code	Telephone No. (inc. area code)
110 Laurier Avenue West	Ottawa	ON	K1P 1J1	6135802400

Location and Construction of the Master Well in the Cluster

Address of Well Location (Street Number/Name, RR)	Township	Lot	Concession
1015 Bank Street			

County/District/Municipality	City/Town/Village	Province	Postal Code
	Ottawa	Ontario	

UTM Coordinates	Zone	Easting	Northing	GPS Unit Make	Model	Mode of Operation
NAD 83	18	446325	0276605	Garmin	Etrex	☐ 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
Brown	Topsoil			0	0.01
"	Fill; sand + silt, trace clay + gravel			0.01	3.8
"	Silty sand fine to med. grained			3.8	6.8
Grey	Silty sand + gravel		wet @ 8.0	6.8	9.75
	Pieces of rock at 8.7m				

Hole Details

Depth (Metres) From	To	Diameter (Centimetres)
0	9.7	20

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 HSA
☐ 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

No Casing and Screen Used

Open Hole ☐ Yes ☑ No

Static Water Level Test

Metres

Screen

☐ Galvanized ☐ Steel ☐ Fibreglass ☐ Concrete ☑ Plastic

Outside Diameter (Centimetres)	Slot No.
5.8	10

Construction Details

Inside Diameter (Centimetres)	Material (steel, plastic, fibreglass, concrete, galvanized)	Wall Thickness	Depth (Metres) From	To
5.1	PVC	Sched 40	0	6.7

Water Details

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

Disinfected ☐ Yes ☑ No If no, provide reason: Monitoring well

Date Master Well Completed (yyyy/mm/dd): 2010/03/10

Annular Space/Abandonment Sealing Record

Depth Set at (Metres) From	To	Type of Sealant Used (Material and Type)	Volume Used (Cubic Metres)
0.2	4.5	Bentonite	60 Kgs

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	Please indicate Number of Cluster Well Information Log Sheets Submitted
17	2
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

[redacted]

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
George Downing Estate Drilling Ltd.	1844

Business Address (Street No./Name, number, RR)	Municipality
410 Rue Principale	Grenville Sur La Rouge

Province	Postal Code	Business E-mail Address
QC	J0V 1B0	downing@hawk.igs.net

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)
8192426449	Downing, Bruce

Well Technician's Licence No.	Signature of Technician	Date Submitted (yyyy/mm/dd)
2173	[signature]	2010/04/23

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Audit No.	Well Contractor No.
M 05580	
Date Received (yyyy/mm/dd)	**Date of Inspection (yyyy/mm/dd)**
SEP 22 2010	

Remarks

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Ontario Ministry of the Environment

A 090648 (Print Well Tag No.) A090648

Cluster Well Information for Cluster Well Construction

Regulation 903 Ontario Water Resources Act

Page 1 of 2

[redacted]

Property Owner's Information

First Name	Last Name	Mailing Address (Street No./Name, RR)	Municipality
City of Ottawa.		110 Laurier Avenue West	Ottawa.

Province	Postal Code	E-mail Address	Telephone No. (inc. area code)
Ontario	K1P1J1		6135810 2410

Cluster Well Information

Address of Well Location (Street Number/Name, RR)	Lot	Concession	Township	County/District/Municipality
1015 Bank Street				

City/Town/Village	Province	Postal Code	GPS Unit Make	Model	Unit Mode of Operation
Ottawa	Ontario		Garmin	Etrex	☐ Undifferentiated ☑ Averaged ☐ Differentiated, specify:

Signature of Technician/Contractor	Date (yyyy/mm/dd)
	2010/04/22

Well # on Sketch	UTM Coordinates Zone	Easting	Northing	Full Depth of Hole (metres)	Hole Diameter (cm)	Method of Construction	Casing Material	Casing Length (metres)	Screen Interval (metres) From	To	Annular Space Sealant Used	Static Water Level (metres)	Abandonment Sealant Used	Comments	Date of Completion (yyyy/mm/dd)
MW 10-8	18	446462	5027310	8.2	20	HSA	PVC	5.2	5.2	8.2	Bentonite				2010/03/01
MW 10-9	18	446614	5027388	8.2				5.2	5.2	8.2					2010/03/01
MW 10-10	18	446644	5027608	7.6				4.6	4.6	7.6					2010/03/01
MW 10-11	18	446681	5027563	7.6				4.6	4.6	7.6					2010/03/02
MW 10-12	18	446674	5027646	7.6				4.6	4.6	7.6					2010/03/02
MW 10-13	18	446646	5027668	5.1				2.1	2.1	5.1					2010/03/02
MW 10-15	18	446480	5027701	7.6				4.6	4.6	7.6					2010/03/03
MW 10-16	18	446719	5027704	7.6				4.6	4.6	7.6					2010/03/04
MW 10-17	18	446735	5027555	7.6				4.6	4.6	7.6					2010/03/04
MW 10-18	18	446690	5027766	4.5				1.5	1.5	4.5					2010/03/04

Well Contractor and Well Technician Information

Business Name of Well Contractor	Business Address (Street Number/Name, RR)	Municipality	Province
George Downing Estate Drilling	410 Rue Principale	Grenville Sur la Rouge	QC

Postal Code	Business Telephone No. (inc. area code)	Well Contractor's Licence No.	Business E-mail Address
J0V1B0	8192426469	1844	downing@hawk.igs.net

Name of Well Technician (First Name, Last Name)	Well Technician's Licence No.	Date Submitted (yyyy/mm/dd)	Signature of Technician
Bruce Downing	2173	2010/04/22	

Date 1st Well in Cluster Constructed (yyyy/mm/dd)	Date Last Well in Cluster Constructed (yyyy/mm/dd)
2010/03/01	2010/03/19

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Date Received (yyyy/mm/dd)	Date Inspected (yyyy/mm/dd)
SEP 22 2010	
Audit No.	**Remarks**
c 06199	m05580

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Ontario Ministry of the Environment

Well Tag No. for Master Well *(Print Well Tag No.)*: A090648

Cluster Well Information for Cluster Well Construction

Regulation 903 Ontario Water Resources Act

Property Owner's Information

First Name	Last Name	Mailing Address (Street No./Name, RR)	Municipality
City of Ottawa		110 Laurier Avenue West	Ottawa

Province	Postal Code	E-mail Address	Telephone No. (inc. area code)
ONTARIO	K1P1J1		6135802400

Consent: [redacted]

Cluster Well Information

Address of Well Location (Street Number/Name, RR)	Lot	Concession	Township	County/District/Municipality
1015 Bank Street				

City/Town/Village	Province	Postal Code	GPS Unit Make	Model	Unit Mode of Operation
Ottawa	Ontario		Garmin	Etrex	☐ Undifferentiated ☑ Averaged ☐ Differentiated, specify:

Signature of Technician/Contractor	Date (yyyy/mm/dd)
[signature]	2010/04/23

Well # on Sketch	UTM Coordinates Zone	Easting	Northing	Full Depth of Hole (metres)	Hole Diameter (cm)	Method of Construction	Casing Material	Casing Length (metres)	Screen Interval (metres) From	To	Annular Space Sealant Used	Static Water Level (metres)	Abandonment Sealant Used	Comments	Date of Completion (yyyy/mm/dd)
MW 10-19	18	446580	5027722	7.6	20	HSA	PVC	4.6	4.6	7.6	Bentonite				2010/03/04
MW 10-20	18	446483	5027693	7.0				4.0	4.0	7.0					2010/03/04
MW 10-21	18	446361	5027619	9.1				6.1	6.1	9.1					2010/03/04
MW 10-22	18	446478	5027616	7.6				4.6	4.6	7.6					2010/03/05
MW 10-23	18	446299	5027578	9.7				6.7	6.7	9.7					2010/03/19
MW 10-24	18	446402	5027632	8.2				5.2	5.2	8.2					2010/03/18
MW 10-25	18	446447	5027633	7.6				4.6	4.6	7.6					2010/03/18
MW 10-26	18	446385	5027391	8.8				5.8	5.8	8.8					2010/03/19
MW 10-27	18	446332	5027597	7.9				4.9	4.9	7.9					2010/03/19
MW 10-28	18	446703	5027584	5.1				2.1	2.1	5.1					2010/03/18.

Date 1st Well in Cluster Constructed (yyyy/mm/dd)	Date Last Well in Cluster Constructed (yyyy/mm/dd)
2010/03/01	2010/03/19

Well Contractor and Well Technician Information

Business Name of Well Contractor	Business Address (Street Number/Name, RR)	Municipality	Province
George Downing Estate Drilling Ltd.	410 Rue Principale Grenville	Sur la Rouge	QC

Postal Code	Business Telephone No. (inc. area code)	Well Contractor's Licence No.	Business E-mail Address
J0V1B0	8192426469	1844	downing@hawkings.net

Name of Well Technician (First Name, Last Name)	Well Technician's Licence No.	Date Submitted (yyyy/mm/dd)	Signature of Technician
Bruce Downing	2173	2010/04/23	[signature]

Ministry Use Only

Date Received (yyyy/mm/dd)	Date Inspected (yyyy/mm/dd)
SEP 22 2010	

Audit No.	Remarks
c06200	m05580

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Ontario Ministry of the Environment

Well Tag No. for Master Well *(Print Well Tag No.)*: A090648

Cluster Well Information for Cluster Well Construction

Regulation 903 Ontario Water Resources Act

[redacted]

Property Owner's Information

First Name	Last Name	Mailing Address (Street No./Name, RR)	Municipality
City of Ottawa		110 Laurier Ave. West	Ottawa

Province	Postal Code	E-mail Address	Telephone No. (inc. area code)
ONTARIO	K1P1J1		6135802400

Cluster Well Information

Address of Well Location (Street Number/Name, RR)	Lot	Concession	Township	County/District/Municipality
1015 Bank Street				

City/Town/Village	Province	Postal Code	GPS Unit Make	Model	Unit Mode of Operation
Ottawa	Ontario		Garmin	Etrex	☐ Undifferentiated ☑ Averaged ☐ Differentiated, specify:

Signature of Technician/Contractor	Date (yyyy/mm/dd)
	2010/04/23

Well # on Sketch	UTM Coordinates Zone	Easting	Northing	Full Depth of Hole (metres)	Hole Diameter (cm)	Method of Construction	Casing Material	Casing Length (metres)	Screen Interval (metres) From	To	Annular Space Sealant Used	Static Water Level (metres)	Abandonment Sealant Used	Comments	Date of Completion (yyyy/mm/dd)
mw 10-29	18	446620	5027532	7.6	20	HSA	PVC	4.6	4.6	7.6	Bentonite				2010/03/18.

Well Contractor and Well Technician Information

Business Name of Well Contractor	Business Address (Street Number/Name, RR)	Municipality	Province
George Downing Estate Drilling Ltd.	410 Rue Principale Grenville	Sur La Rouge	QC

Postal Code	Business Telephone No. (inc. area code)	Well Contractor's Licence No.	Business E-mail Address
J0V1B0	8192464469	1844	downing@hawk.igs.net

Name of Well Technician (First Name, Last Name)	Well Technician's Licence No.	Date Submitted (yyyy/mm/dd)	Signature of Technician
Bruce Downing	2173	2010/04/23	

Date 1st Well in Cluster Constructed (yyyy/mm/dd)	Date Last Well in Cluster Constructed (yyyy/mm/dd)
2010/03/01	2010/03/19

Ministry Use Only

Date Received (yyyy/mm/dd)	Date Inspected (yyyy/mm/dd)
SEP 22 2010	
Audit No. C07988	Remarks M05580

1991 (11/2006)

Ministry's Copy

© Queen's Printer for Ontario, 2006

Ontario — Ministry of the Environment

Measurements recorded in: ☑ Metric ☐ Imperial

Well Tag No. *(Place Sticker and/or Print Below)*: N/A

S-12699

Well Record

Regulation 903 Ontario Water Resources Act

Page _____ of _____

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	☐ Well Constructed by Well Owner
[redacted]	[redacted] / City of Ottawa		

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. *(inc. area code)*
110 Laurier Ave.	Ottawa	ON	K1P1J1	

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
1015 Bank St.			

County/District/Municipality	City/Town/Village	Province	Postal Code
	Ottawa	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	446559	5027315		

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
N/A					

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m^3/ft^3)
0	.31	bentonite chips	
.31	2.13	bentonite slurry	

Method of Construction

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

Well Use

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

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	To
5.20	PVC.	.390		

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	To
6.03	PVC	10		

Status of Well

☐ 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* Not Needed
☐ Other, *specify* _____

Results of Well Yield Testing

After test of well yield, water was:
☐ Clear and sand free
☐ Other, *specify* _____

If pumping discontinued, give reason:

Pump intake set at *(m/ft)*

Pumping rate *(l/min / GPM)*

Duration of pumping _____ hrs + _____ min

Final water level end of pumping *(m/ft)*

If flowing give rate *(l/min / GPM)*

Recommended pump depth *(m/ft)*

Recommended pump rate *(l/min / GPM)*

Well production *(l/min / GPM)*

Disinfected? ☐ Yes ☐ No

Draw Down Time (min)	Water Level (m/ft)	Recovery Time (min)	Water Level (m/ft)
Static Level			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
50		50	
60		60	

Map of Well Location

Please provide a map below following instructions on the back.

See Map MW10-5

Water Details

Water found at Depth (m/ft)	Kind of Water: ☐ Fresh ☐ Untested ☐ Gas ☐ Other, *specify* _____
Water found at Depth (m/ft)	Kind of Water: ☐ Fresh ☐ Untested ☐ Gas ☐ Other, *specify* _____
Water found at Depth (m/ft)	Kind of Water: ☐ Fresh ☐ Untested ☐ Gas ☐ Other, *specify* _____

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)
0	2.13	11.43

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Strata Soil Sampling	7241

Business Address (Street Number/Name)	Municipality
2-147 West Beaver Creek	Richmond Hill

Province	Postal Code	Business E-mail Address
ON	L4B1G6	wrecords@stratasoil.ca

Bus. Telephone No. *(inc. area code)*	Name of Well Technician (Last Name, First Name)
9057649300	McCoy, James

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
3656		20120622

Comments:

Well owner's information package delivered	Date Package Delivered	Date Work Completed
☐ Yes ☐ No	Y Y Y Y M M D D	20120220

Ministry Use Only

Audit No. Z152849

Received AUG 09 2012

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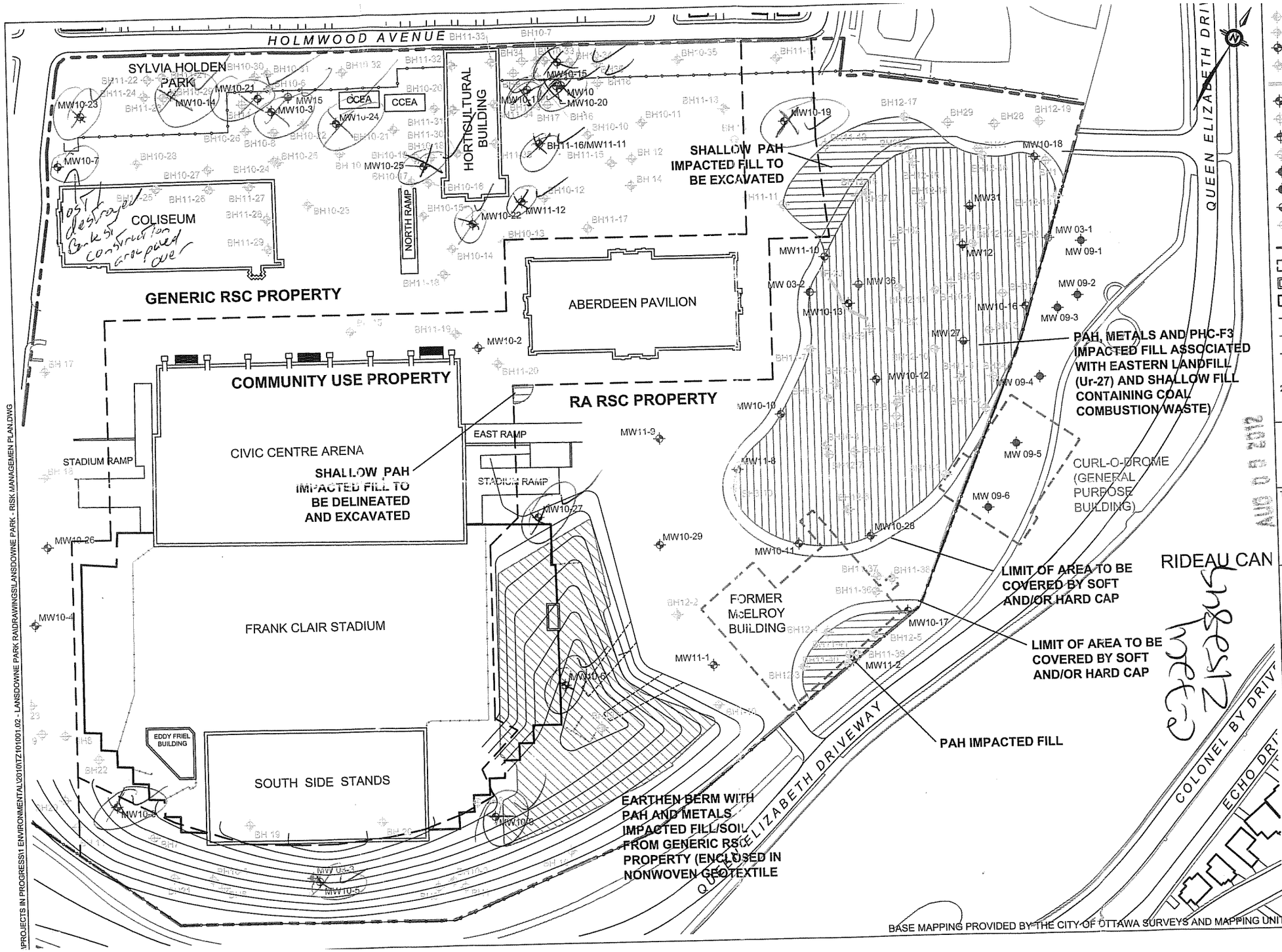

BOREHOLE (AMEC 2012)
BOREHOLE / LFG PROBE (AMEC 2012)
MONITORING WELL (AMEC 2011)
BOREHOLE (AMEC 2011)
ARCHAEOLOGY TRENCH (GOLDER 2011)
MONITORING WELL (AMEC 2010)
BOREHOLE (AMEC 2010)
MONITORING WELL (PATERSON 2010)
BOREHOLE (PATERSON 2010)
MONITORING WELL (STANTEC 2009)
MONITORING WELL (PATERSON 2003)
MONITORING WELL (PATERSON 1998)
BOREHOLE (PATERSON 1998)
SITE BOUNDARY
FORMER SITE BUILDING
SITE BUILDING
OFF-SITE BUILDING / HOUSE
CURB / ROADWAY
SIDEWALK / PATHWAY
FENCE

20 0 20 40 60
METRES

amec

TITLE:
RISK MANAGEMENT PLAN

PROJECT:
LANSDOWNE PARK
RISK ASSESSMENT
945-1015 BANK STREET
OTTAWA, ONTARIO

CLIENT:
Ottawa

DESIGNED BY:	KDH
DRAWN BY:	MEM
CHECKED BY:	SJB
DATE:	MARCH 2012
SCALE:	1 : 1,600
PROJECT NO:	TZ10100102
FIGURE NO:	I-1

\\PROJECTS IN PROGRESS1 ENVIRONMENTAL\2010\TZ101001.02 - LANSDOWNE PARK RA\DRAWINGS\LANSDOWNE PARK - RISK MANAGEMEN PLAN.DWG

Ontario — Ministry of the Environment

Measurements recorded in: ☑ Metric ☐ Imperial

Well Tag No. *(Place Sticker and/or Print Below)*: N/A

S-12699

Well Record

Regulation 903 Ontario Water Resources Act

Page _____ of _____

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	☐ Well Constructed by Well Owner
[redacted]	[redacted] City of Ottawa		

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. (inc. area code)
110 Laurier	Ottawa	ON	K1P1J1	

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
1015 Bank St.			

County/District/Municipality	City/Town/Village	Province	Postal Code
	Ottawa	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	449645	5027305		

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
N/A					

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m^3/ft^3)
0	.31	bentonite chips	
.31	2.13	bentonite slurry	

Method of Construction

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

Well Use

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

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	To
6.20	PVC	.390		

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	To
6.03	PVC	10		

Status of Well

☐ 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* Not Needed
☐ Other, *specify* _____

Results of Well Yield Testing

After test of well yield, water was:
☐ Clear and sand free
☐ Other, *specify* _____

If pumping discontinued, give reason:

Pump intake set at *(m/ft)*

Pumping rate *(l/min / GPM)*

Duration of pumping
_____ hrs + _____ min

Final water level end of pumping *(m/ft)*

If flowing give rate *(l/min / GPM)*

Recommended pump depth *(m/ft)*

Recommended pump rate *(l/min / GPM)*

Well production *(l/min / GPM)*

Disinfected?
☐ Yes ☐ No

Draw Down Time (min)	Water Level (m/ft)	Recovery Time (min)	Water Level (m/ft)
Static Level			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
50		50	
60		60	

Map of Well Location

Please provide a map below following instructions on the back.

See Map
MW10-8

Water Details

Water found at Depth (m/ft)	Kind of Water: ☐ Fresh ☐ Untested ☐ Gas ☐ Other, *specify* _____
Water found at Depth (m/ft)	Kind of Water: ☐ Fresh ☐ Untested ☐ Gas ☐ Other, *specify* _____
Water found at Depth (m/ft)	Kind of Water: ☐ Fresh ☐ Untested ☐ Gas ☐ Other, *specify* _____

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)
0	2.13	11.43

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Strata Soil Sampling Inc.	7247

Business Address (Street Number/Name)	Municipality
2-147 West Beaver Creek	Richmond Hill

Province	Postal Code	Business E-mail Address
ON	L4B1C6	wrecords@stratasoil.ca

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)
905764 9304	McCoy, James

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
3656		20120622

Comments:

Well owner's information package delivered	Date Package Delivered	Date Work Completed
☐ Yes ☐ No	Y Y Y Y M M D D	20120620

Ministry Use Only

Audit No. Z152850

Received AUG 09 2012

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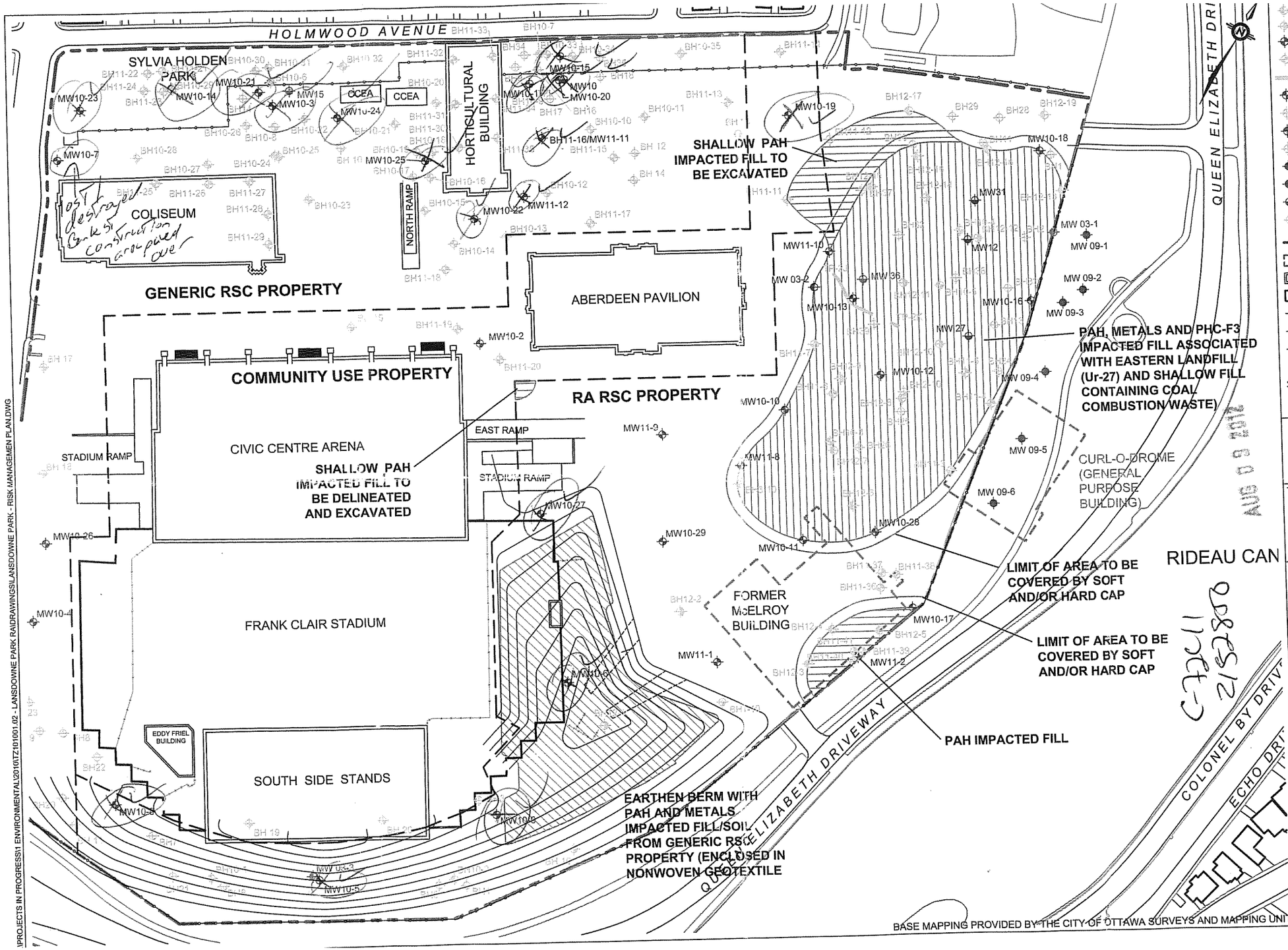
HOLMWOOD AVENUE
SYLVIA HOLDEN PARK
COLISEUM
GENERIC RSC PROPERTY
HORTICULTURAL BUILDING
NORTH RAMP
CCEA
CCEA
ABERDEEN PAVILION
COMMUNITY USE PROPERTY
RA RSC PROPERTY
CIVIC CENTRE ARENA
EAST RAMP
STADIUM RAMP
STADIUM RAMP
FRANK CLAIR STADIUM
EDDY FRIEL BUILDING
SOUTH SIDE STANDS
FORMER McELROY BUILDING
CURL-O-DROME (GENERAL PURPOSE BUILDING)
QUEEN ELIZABETH DRIVEWAY
QUEEN ELIZABETH DRI
COLONEL BY DRIV
ECHO DRI
RIDEAU CAN
SHALLOW PAH IMPACTED FILL TO BE EXCAVATED
SHALLOW PAH IMPACTED FILL TO BE DELINEATED AND EXCAVATED
PAH, METALS AND PHC-F3 IMPACTED FILL ASSOCIATED WITH EASTERN LANDFILL (Ur-27) AND SHALLOW FILL CONTAINING COAL COMBUSTION WASTE)
LIMIT OF AREA TO BE COVERED BY SOFT AND/OR HARD CAP
LIMIT OF AREA TO BE COVERED BY SOFT AND/OR HARD CAP
PAH IMPACTED FILL
EARTHEN BERM WITH PAH AND METALS IMPACTED FILL/SOIL FROM GENERIC RSC PROPERTY (ENCLOSED IN NONWOVEN GEOTEXTILE
BASE MAPPING PROVIDED BY THE CITY OF OTTAWA SURVEYS AND MAPPING UNIT
BOREHOLE (AMEC 2012)
BOREHOLE / LFG PROBE (AMEC 2012)
MONITORING WELL (AMEC 2011)
BOREHOLE (AMEC 2011)
ARCHAEOLOGY TRENCH (GOLDER 2011)
MONITORING WELL (AMEC 2010)
BOREHOLE (AMEC 2010)
MONITORING WELL (PATERSON 2010)
BOREHOLE (PATERSON 2010)
MONITORING WELL (STANTEC 2009)
MONITORING WELL (PATERSON 2003)
MONITORING WELL (PATERSON 1998)
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SITE BOUNDARY
FORMER SITE BUILDING
SITE BUILDING
OFF-SITE BUILDING / HOUSE
CURB / ROADWAY
SIDEWALK / PATHWAY
FENCE
20 0 20 40 60
METRES
amec
TITLE:
RISK MANAGEMENT PLAN
PROJECT:
LANSDOWNE PARK
RISK ASSESSMENT
945-1015 BANK STREET
OTTAWA, ONTARIO
CLIENT:
Ottawa
DESIGNED BY: KDH
DRAWN BY: MEM
CHECKED BY: SJB
DATE: MARCH 2012
SCALE: 1 : 1,600
PROJECT NO: TZ10100102
FIGURE NO:
I-1
\PROJECTS IN PROGRESS\1 ENVIRONMENTAL\2010\TZ101001.02 - LANSDOWNE PARK RA\DRAWINGS\LANSDOWNE PARK - RISK MANAGEMEN PLAN.DWG

File Number: D06-03-19-0168

November 29, 2019

Mandy Witteman
Paterson Group Inc.
154 Colonnade Road South
Ottawa, ON
K2E 7J5

Sent via email [mwitteman@patersongroup.ca]

Dear Ms. Witteman,

Re: Information Request
1050 & 160 Bank Street, Ottawa, Ontario ("Subject Properties")

Internal Department Circulation

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

- No information was returned on the Subject Properties from Departmental circulation.

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 Properties.

A search of the HLUI database revealed the following information:

- There is one (1) activity associated with the Subject Properties.

The HLUI database was also searched for activity associated with properties located within 250m of the Subject Properties. The search revealed the following:

- There are 32 activities associated with properties located within 250m of the Subject Properties.

City of Ottawa
Planning, Infrastructure and Economic Development Department

110 Laurier Avenue West, 4th Floor
Ottawa, ON K1P 1J1
Tel: (613) 580-2424 ext. 21690
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. 21690
Téléc: (613) 560-6006
www.ottawa.ca

Please note that certain activities have been identified to 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 property. All database entries with a PIN Certainty of “2” require independent verification as to their precise location.

A **site map** and **table** have 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 keys 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 Properties. 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 Eric Steele at 613-580-2424 ext. 21690 or HLUI@ottawa.ca

Sincerely,

Eric Steele

Eric Steele

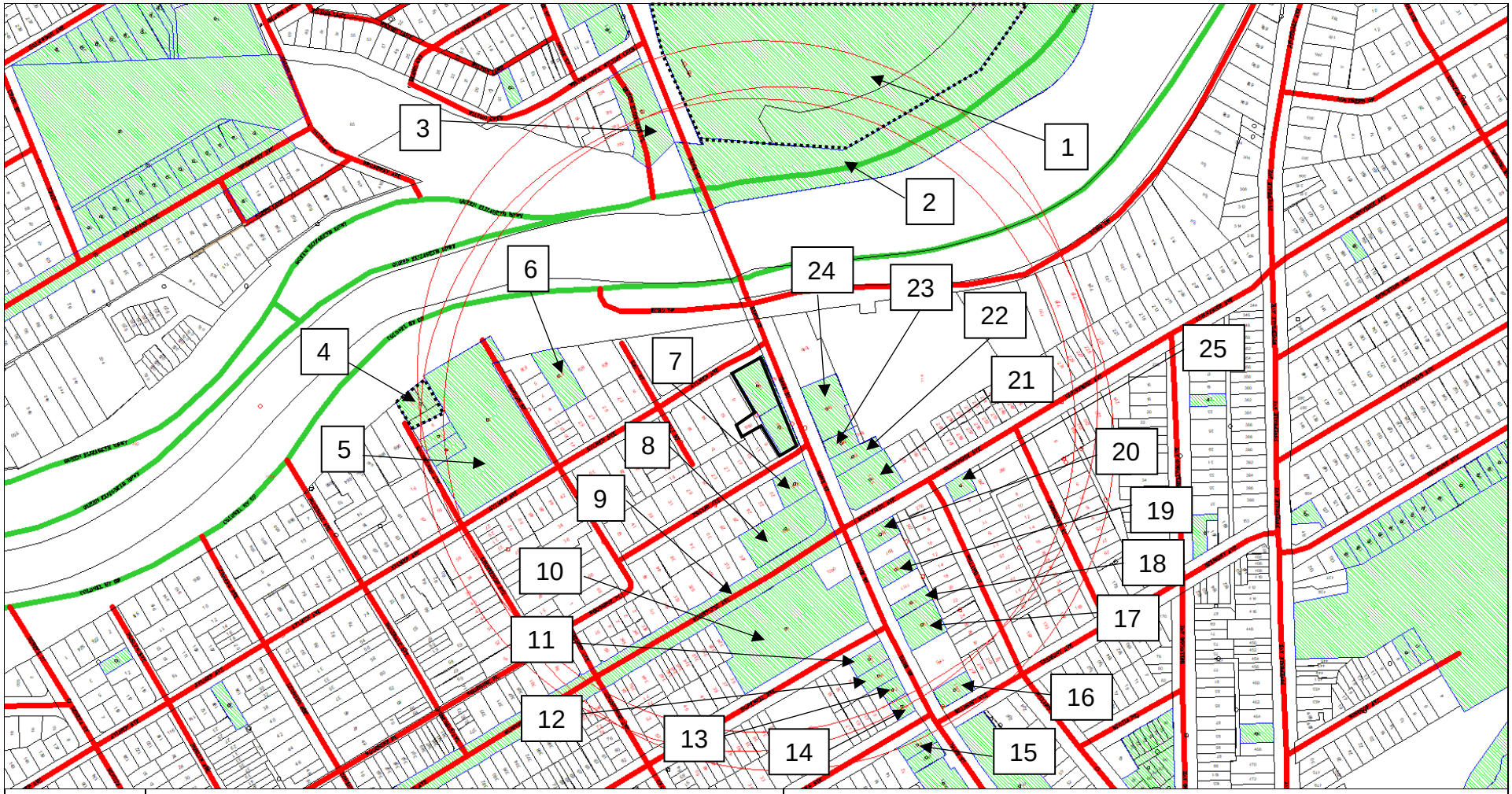
Per:

Michael Boughton, MCIP, RPP
Senior Planner
Development Review East
Planning Services
Planning, Infrastructure and Economic Development Department

MB / ES

Enclosures.

cc: File no. D06-03-19-0168



Scale 1: n/a	1050 & 1060 Bank Street Ottawa, ON File # D06-03-19-0168 Eric Steele	<u>Overview</u> ID# = Area Number ☐ = Subject Site

Area	Associated HLUI Activities	HLUI Activities with a PIN Certainty of “2” *
Subject Property	1874	
1	14515, 3624	
2	14515	
3	1091	1091
4	14475	
5	11047	
6	9645	
7	10864	
8	11468, 6637, 8328	6637
9	14515	
10	6758	
11	2149, 4332	
12	10859, 5237	
13	530	
14	6770	
15	8540	
16	14405, 8628	
17	7476	
18	2395	
19	12707	
20	5743	
21	8041	
22	5988	
23	1115	
24	12546, 5381	
25	8531, 9819	

*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 property. All database entries with a PIN Certainty of “2” require independent verification as to their precise location.

Historical Land Use Inventory

Activity Numbers –

Subject Property/Properties

CITY OF OTTAWA

HLUI ID: __679EFS

AREA (Square Metres): 986.804

Report: RPTC_OT_DEV0122

Run On: 22 Nov 2019 at: 13:44:38

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	041430322	Y	N

Activity ID: 1874

Multiple PINS: N

PIN Certainty: 1

Previous Activity ID(s) : 2138, 1995

Related PINS: 041430323

Name: BURCHILL'S SERVICE STATION

Address: 1060 BANK STREET, OTTAWA

Facility Type: Gasoline Service Stations

Comments 1: Canadian Oil Co. Ltd. also listed at this address in 1950 at the same time as Cleary's Service Station.

Comments 2:

Generator Number:

Storage Tanks: Three (3) USTs (gasoline) in FIP1948/1956.

HL References 1: M.1900, M.1910, M.1920, M.1930, M.1940, M.1950, M.1960, M.1963, M.1970, M.1980; FIP1901-156- 1105,vol2; FIP1912-156-1105,vol2; FIP1922-156-1105,vol2; FIP48-239-1-1105,vol2; FIP1956-239-1-1105,vol2.

HL References 2:

HL References 3:

NAICS	SIC
447190	633
447110	633
811199	633

Company Name	Year of Operation
Blaney's Esso Service Station	c. 1956
Burchill's Service Station/Canadian Oil Co. Ltd.	c. 1960-1963
Cleary's Service Station	c. 1948-1960
Donald P. Booth Service Station	c. 1948-1950
Imperial Oil Ltd.	c. 1930
Sprowle Blaney Garage	c. 1960
Edwards Esso Service Station	c. 1970
William Arthur Service Station	c. 1940

CITY OF OTTAWA

HLUI ID: __679E22

AREA (Square Metres): 665.583

Report: RPTC_OT_DEV0122

Run On: 22 Nov 2019 at: 13:45:27

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	041430323	Y	N

Activity ID: 1874

Multiple PINS: N

PIN Certainty: 1

Previous Activity ID(s) : 2138, 1995

Related PINS: 041430323

Name: BURCHILL'S SERVICE STATION

Address: 1060 BANK STREET, OTTAWA

Facility Type: Gasoline Service Stations

Comments 1: Canadian Oil Co. Ltd. also listed at this address in 1950 at the same time as Cleary's Service Station.

Comments 2:

Generator Number:

Storage Tanks: Three (3) USTs (gasoline) in FIP1948/1956.

HL References 1: M.1900, M.1910, M.1920, M.1930, M.1940, M.1950, M.1960, M.1963, M.1970, M.1980; FIP1901-156- 1105,vol2; FIP1912-156-1105,vol2; FIP1922-156-1105,vol2; FIP48-239-1-1105,vol2; FIP1956-239-1-1105,vol2.

HL References 2:

HL References 3:

NAICS	SIC
447190	633
447110	633
811199	633

Company Name	Year of Operation
Blaney's Esso Service Station	c. 1956
Burchill's Service Station/Canadian Oil Co. Ltd.	c. 1960-1963
Cleary's Service Station	c. 1948-1960
Donald P. Booth Service Station	c. 1948-1950
Imperial Oil Ltd.	c. 1930
Sprowle Blaney Garage	c. 1960
Edwards Esso Service Station	c. 1970
William Arthur Service Station	c. 1940

Historical Land Use Inventory

Activity Numbers –

Adjacent Properties

Historical Land Use Inventory

Area #1 Activity Numbers

CITY OF OTTAWA

HLUI ID: __670IUQ

AREA (Square Metres): 160112.458

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	041390229	Y	Y

Activity ID: 14515

Multiple PINS: Y

PIN Certainty: 1

Previous Activity ID(s) : 6190, 6060, 6064, 6082, 6077, 6084, 6094, 6095, 6098, 6099, 6102, 6103, 6105, 6108, 6109, 6110, 6111, 6112, 6115, 6117, 6121, 6122, 6124, 6125, 6127, 6129, 6130, 6190, 6191, 6192, 6193, 6198, 6200, 6202, 6203, 6238, 6240, 6243, 6245, 6280, 6282, 6284, 62

Related PINS: 041330051

Name: UNNAMED WASTE DISPOSAL SITE

Address: , OTTAWA

Facility Type: Other Utility Industries n.e.c.

Comments 1: UTM = 445870E, 5028130N, map 31G/5. Site #X1102 of closed sites in the MOE inventory (pg134).

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: 1991-WDSI/WMB/MOE; RBE 1992; MC Staff, 19/02/99; 1922DMD-TM-Ottawa-Sheet #14, 1948DND-ASE-NTS-31G/5, 1967-EMR-SMB-NTS-31G/5-7th ed., 1985-EMR-SMB-NTS-31G/5-11th ed., City of Gloucester-File #8-400-Box 130;

HL References 2: City of Gloucester File # 6-79A: Subject-Health/Dumping -Box 75 -28/12/64; 1938-39-DND-ASE-NTS-31B/13W-2nd ed., 1964-DND-MCE-NTS-31B/13-3rd ed., 1976-EMR-SMB-NTS-31B/13-4th ed., 1979-EMR-SMB-NTS-31B/13-5th ed.

HL References 3:

NAICS	SIC
562210	499
221330	499
221320	499
562920	499
562990	499

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	041390229	Y	Y

Company Name	Year of Operation
Unnamed Waste Disposal Site	c. <1991
Unnamed Waste Disposal Site	c. 1953
Unnamed Waste Disposal Site	c. 1946
Unnamed Waste Disposal Site	c. 1924
Unnamed Waste Disposal Site	c. 1958
Unnamed Waste Disposal Site	c. 1979
Unnamed Waste Disposal Site	c. 1965
Unnamed Waste Disposal Site	c. 1974
Unnamed Waste Disposal Site	c. 1920-1931
Unnamed Waste Disposal Site	c. 1973
Unnamed Waste Disposal Site	c. 1927
Unamed Waste Disposal Site	c. 1966-1991
Unnamed Waste Dispoal Site	c. 1947
Unnamed Waste Disposal Site	c. 1976
Unnamed Waste Disposal Site	c. 1940
Unnamed Waste Disposal Site	c. 1962
Unnamed Waste Disposal Site	c. 1926
Unnamed Waste Disposal Site	c. 1944
Unnamed Waste Disposal Site	c. 1972
Unnamed Waste Disposal Site	c. 1935
Unnamed Waste Disposal Site	c. 1921-1945
Unnamed Waste Disposal Site	c. 1977
Unnamed Waste Disposal Site	c. 1947
Unnamed Waste Disposal Site	c. 1950
Unnamed Waste Disposal Site	c. 1981
Unnamed Waste Disposal Site	c. 1971
Unnamed Waste Disposal Site	c. 1963
Unnamed Waste Disposal Site	c. <1990
Unnamed Waste Disposal Site	c. 1964
Unnamed Waste Disposal Site	c. 1920
Unnamed Waste Disposal Site	c. 1938
Unnamed Waste Disposal Site	c. 1929

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	041390229	Y	Y

Unnamed Waste Disposal Site	c. 1966

CITY OF OTTAWA

HLUI ID: __670IUQ

AREA (Square Metres): 160112.458

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	041390229	Y	Y

Activity ID: 3624
Multiple PINS: N
PIN Certainty: 1
Previous Activity ID(s) : 6879
Related PINS: 041390249

Name: CITY OF OTTAWA
Address: 1015 BANK STREET, OTTAWA
Facility Type: General Administrative Services
Comments 1: LANDSDOWNE PARK
Comments 2:
Generator Number: ON0303116
Storage Tanks:
HL References 1: PID1994
HL References 2:
HL References 3: 2003 PID

NAICS	SIC
713930	965
913910	0

Company Name	Year of Operation
CITY OF OTTAWA	c. 2003
Corporation of the City of Ottawa	c. 1994
CITY OF OTTAWA	c. 2001

Historical Land Use Inventory

Area #2 Activity Numbers

CITY OF OTTAWA

HLUI ID: __670HMH

AREA (Square Metres): 109917.704

Report: RPTC_OT_DEV0122

Run On: 22 Nov 2019 at: 13:46:39

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	041310036	Y	N

Activity ID: 14515

Multiple PINS: Y

PIN Certainty: 1

Previous Activity ID(s) : 6190, 6060, 6064, 6082, 6077, 6084, 6094, 6095, 6098, 6099, 6102, 6103, 6105, 6108, 6109, 6110, 6111, 6112, 6115, 6117, 6121, 6122, 6124, 6125, 6127, 6129, 6130, 6190, 6191, 6192, 6193, 6198, 6200, 6202, 6203, 6238, 6240, 6243, 6245, 6280, 6282, 6284, 62

Related PINS: 041330051

Name: UNNAMED WASTE DISPOSAL SITE

Address: , OTTAWA

Facility Type: Other Utility Industries n.e.c.

Comments 1: UTM = 445870E, 5028130N, map 31G/5. Site #X1102 of closed sites in the MOE inventory (pg134).

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: 1991-WDSI/WMB/MOE; RBE 1992; MC Staff, 19/02/99; 1922DMD-TM-Ottawa-Sheet #14, 1948DND-ASE-NTS-31G/5, 1967-EMR-SMB-NTS-31G/5-7th ed., 1985-EMR-SMB-NTS-31G/5-11th ed., City of Gloucester-File #8-400-Box 130;

HL References 2: City of Gloucester File # 6-79A: Subject-Health/Dumping -Box 75 -28/12/64; 1938-39-DND-ASE-NTS-31B/13W-2nd ed., 1964-DND-MCE-NTS-31B/13-3rd ed., 1976-EMR-SMB-NTS-31B/13-4th ed., 1979-EMR-SMB-NTS-31B/13-5th ed.

HL References 3:

NAICS	SIC
562210	499
221330	499
221320	499
562920	499
562990	499

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	041310036	Y	N

Company Name	Year of Operation
Unnamed Waste Disposal Site	c. <1991
Unnamed Waste Disposal Site	c. 1953
Unnamed Waste Disposal Site	c. 1946
Unnamed Waste Disposal Site	c. 1924
Unnamed Waste Disposal Site	c. 1958
Unnamed Waste Disposal Site	c. 1979
Unnamed Waste Disposal Site	c. 1965
Unnamed Waste Disposal Site	c. 1974
Unnamed Waste Disposal Site	c. 1920-1931
Unnamed Waste Disposal Site	c. 1973
Unnamed Waste Disposal Site	c. 1927
Unamed Waste Disposal Site	c. 1966-1991
Unnamed Waste Dispoal Site	c. 1947
Unnamed Waste Disposal Site	c. 1976
Unnamed Waste Disposal Site	c. 1940
Unnamed Waste Disposal Site	c. 1962
Unnamed Waste Disposal Site	c. 1926
Unnamed Waste Disposal Site	c. 1944
Unnamed Waste Disposal Site	c. 1972
Unnamed Waste Disposal Site	c. 1935
Unnamed Waste Disposal Site	c. 1921-1945
Unnamed Waste Disposal Site	c. 1977
Unnamed Waste Disposal Site	c. 1947
Unnamed Waste Disposal Site	c. 1950
Unnamed Waste Disposal Site	c. 1981
Unnamed Waste Disposal Site	c. 1971
Unnamed Waste Disposal Site	c. 1963
Unnamed Waste Disposal Site	c. <1990
Unnamed Waste Disposal Site	c. 1964
Unnamed Waste Disposal Site	c. 1920
Unnamed Waste Disposal Site	c. 1938
Unnamed Waste Disposal Site	c. 1929

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	041310036	Y	N

Unnamed Waste Disposal Site c. 1966

Historical Land Use Inventory

Area #3 Activity Numbers

CITY OF OTTAWA

HLUI ID: __679GYR

AREA (Square Metres): 2293.806

Report: RPTC_OT_DEV0122

Run On: 22 Nov 2019 at: 13:47:22

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	041400230	Y	N

Activity ID: 1091

Multiple PINS: Y

PIN Certainty: 2

Previous Activity ID(s) : 919

Related PINS: 041400213

Name: ALLADIN CLEANERS, DYERS AND TAILORS

Address: 1016 BANK STREET, OTTAWA

Facility Type: Laundries and Cleaners

Comments 1: Hair Salon 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.1950

HL References 2:

HL References 3:

NAICS	SIC
812330	972
812310	972
561740	972
812320	972

Company Name	Year of Operation
Alladin Cleaners, Dyers and Tailors	

Historical Land Use Inventory

Area #4 Activity Numbers

CITY OF OTTAWA

HLUI ID: __679BAX

AREA (Square Metres): 813.792

Report: RPTC_OT_DEV0122

Run On: 22 Nov 2019 at: 13:48:03

Study Year	PIN	Multi-NAIC	Multiple Activities
2005	041430305	Y	N

Activity ID: 14475

Multiple PINS: N

PIN Certainty: 1

Previous Activity ID(s) :

Related PINS: 041430305

Name: WELLINGTON'S SILVERSMITHS

Address: 5 GROSVENOR AVENUE,

Facility Type: Other Repair Services

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2005 Select Phone

NAICS	SIC
811411	0
811490	0
811310	0
561791	0

Company Name	Year of Operation
WELLINGTON'S SILVERSMITHS	c. 2001
WELLINGTON'S SILVERSMITHS	c. 2005

Historical Land Use Inventory

Area #5 Activity Numbers

CITY OF OTTAWA

HLUI ID: __679CA5

AREA (Square Metres): 287.601

Report: RPTC_OT_DEV0122

Run On: 22 Nov 2019 at: 13:48:30

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	041430656	Y	N

Activity ID: 11047

Multiple PINS: Y

PIN Certainty: 1

Previous Activity ID(s) : 637

Related PINS: 041430655

Name: PERLEY HOME NURSES RESIDENCES

Address: 43 AYLMER AVENUE, OTTAWA

Facility Type: Hospitals

Comments 1: Becomes Perley Hospital in 1973 Was a residence in 1920, 1910 The Perley Home for Incurables is listed @ #2 Barton St in 1940, 1950 UTM = 446200E, 5026850N (1967)

Comments 2:

Generator Number:

Storage Tanks: 1 Fuel Oil UST

HL References 1: M.1900- M.1980; SC98; FIP1901,vol2; FIP1922-154-1063,vol1; FIP1948-239-1063; FIP1956-239-1-1063,vol 2.1922-DMD-TM-Ottawa Sheet #14, 1948-DND-ASE-NTS-31G/5, 1967-EMR-SMB-NTS-31/5-7th ed., 1985-EMR-SMB-NTS-31/5-11th ed.

HL References 2:

HL References 3:

NAICS	SIC
622210	861
622310	861
622112	861
622111	861

Company Name	Year of Operation
Perley Home Nurses Residences	c. 1920-1998

CITY OF OTTAWA

HLUI ID: __679D5K

AREA (Square Metres): 422.689

Report: RPTC_OT_DEV0122

Run On: 22 Nov 2019 at: 13:49:05

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	041430655	Y	N

Activity ID: 11047

Multiple PINS: Y

PIN Certainty: 1

Previous Activity ID(s) : 637

Related PINS: 041430655

Name: PERLEY HOME NURSES RESIDENCES

Address: 43 AYLMER AVENUE, OTTAWA

Facility Type: Hospitals

Comments 1: Becomes Perley Hospital in 1973 Was a residence in 1920, 1910 The Perley Home for Incurables is listed @ #2 Barton St in 1940, 1950 UTM = 446200E, 5026850N (1967)

Comments 2:

Generator Number:

Storage Tanks: 1 Fuel Oil UST

HL References 1: M.1900- M.1980; SC98; FIP1901,vol2; FIP1922-154-1063,vol1; FIP1948-239-1063; FIP1956-239-1-1063,vol 2.1922-DMD-TM-Ottawa Sheet #14, 1948-DND-ASE-NTS-31G/5, 1967-EMR-SMB-NTS-31/5-7th ed., 1985-EMR-SMB-NTS-31/5-11th ed.

HL References 2:

HL References 3:

NAICS	SIC
622210	861
622310	861
622112	861
622111	861

Company Name	Year of Operation
Perley Home Nurses Residences	c. 1920-1998

CITY OF OTTAWA

HLUI ID: __670HGA

AREA (Square Metres): 7320.759

Report: RPTC_OT_DEV0122

Run On: 22 Nov 2019 at: 13:49:30

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	041430657	Y	N

Activity ID: 11047

Multiple PINS: Y

PIN Certainty: 1

Previous Activity ID(s) : 637

Related PINS: 041430655

Name: PERLEY HOME NURSES RESIDENCES

Address: 43 AYLMER AVENUE, OTTAWA

Facility Type: Hospitals

Comments 1: Becomes Perley Hospital in 1973 Was a residence in 1920, 1910 The Perley Home for Incurables is listed @ #2 Barton St in 1940, 1950 UTM = 446200E, 5026850N (1967)

Comments 2:

Generator Number:

Storage Tanks: 1 Fuel Oil UST

HL References 1: M.1900- M.1980; SC98; FIP1901,vol2; FIP1922-154-1063,vol1; FIP1948-239-1063; FIP1956-239-1-1063,vol 2.1922-DMD-TM-Ottawa Sheet #14, 1948-DND-ASE-NTS-31G/5, 1967-EMR-SMB-NTS-31/5-7th ed., 1985-EMR-SMB-NTS-31/5-11th ed.

HL References 2:

HL References 3:

NAICS	SIC
622210	861
622310	861
622112	861
622111	861

Company Name	Year of Operation
Perley Home Nurses Residences	c. 1920-1998

Historical Land Use Inventory

Area #6 Activity Numbers

CITY OF OTTAWA

HLUI ID: __6790KO

AREA (Square Metres): 988.184

Report: RPTC_OT_DEV0122

Run On: 22 Nov 2019 at: 13:52:33

Study Year	PIN	Multi-NAIC	Multiple Activities
2005	041430315	N	N

Activity ID: 9645

Multiple PINS: N

PIN Certainty: 1

Previous Activity ID(s) :

Related PINS: 041430315

Name: NDHQ KIOSK

Address: 101 COLONEL BY DRIVE, OTTAWA

Facility Type: Defence Services

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2001 Employment Survey

NAICS	SIC
911110	0

Company Name	Year of Operation
NDHQ KIOSK	c. 2001

Historical Land Use Inventory

Area #7 Activity Numbers

CITY OF OTTAWA

HLUI ID: __679E8Q

AREA (Square Metres): 743.009

Report: RPTC_OT_DEV0122

Run On: 22 Nov 2019 at: 13:53:01

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	041430343	Y	N

Activity ID: 10864

Multiple PINS: N

PIN Certainty: 1

Previous Activity ID(s) : 650

Related PINS: 041430343

Name: PARKER'S CLEANERS AND DYERS LIMITED

Address: 1072 BANK STREET, 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

HL References 2:

HL References 3:

NAICS	SIC
812330	972
561740	972
812320	972
812310	972

Company Name	Year of Operation
Parker's Cleaners and Dyers Ltd.	c. 1940

Historical Land Use Inventory

Area #8 Activity Numbers

CITY OF OTTAWA

HLUI ID: __679FZV

AREA (Square Metres): 2026.288

Report: RPTC_OT_DEV0122

Run On: 22 Nov 2019 at: 13:53:42

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	041430502	Y	Y

Activity ID: 11468

Multiple PINS: N

PIN Certainty: 1

Previous Activity ID(s) :

Related PINS: 041430502

Name: PIONEER PETROLEUM

Address: 1080 BANK STREET,

Facility Type: Gasoline Service Stations

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2005 Select Phone

NAICS	SIC
447190	0
447110	0

Company Name	Year of Operation
PIONEER PETROLEUM	c. 2005
PIONEER PETROLEUM	c. 2001

CITY OF OTTAWA

HLUI ID: __679FZV

AREA (Square Metres): 2026.288

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	041430502	Y	Y

Activity ID: 6637 **Multiple PINS:** N

PIN Certainty: 2 **Previous Activity ID(s) :** 2404

Related PINS: 041430502

Name: GREG FIELD SHELL OIL STATION

Address: 1080 BANK STREET, OTTAWA

Facility Type: Motor Vehicle Repair Shops

Comments 1: 1997 - no listing @ 1080 Bank

Comments 2:

Generator Number:

Storage Tanks: Two (2) USTs (gasoline) in FIP1956-239-1-1107,Vol.2.

HL References 1: M.1960, M.1963, M.1970, M.1980, M.1990, M.1997; FIP1901-156-1107,vol1; FIP1912-156-1107,vol2; FIP1922-156-1107,vol2; FIP1948-239-1107,vol2; FIP1948-239-1096,vol2; FIP1956-239-1-1107,vol2; FIP1956-239-2-1096,vol2.

HL References 2:

HL References 3:

NAICS	SIC
811112	635
811199	633
811119	635
447190	633
447110	633
811121	635

Company Name	Year of Operation
Sunys Petroleum Inc. Gas Bar	c. 1998
T. & P. Shell	c. 1990
Greg Field Shell Oil Station	c. 1956-1970

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	041430502	Y	Y

Activity ID: 8328

Multiple PINS: N

PIN Certainty: 1

Previous Activity ID(s) :

Related PINS: 041430502

Name: MAGIC TOUCH HOUSEKEEPING & SVC

Address: 297 SUNNYSIDE AVENUE,

Facility Type: Service Industries Incidental to Air Transport

Comments 1: #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	Year of Operation
MAGIC TOUCH HOUSEKEEPING & SVC	c. 2005

Historical Land Use Inventory

Area #9 Activity Numbers

CITY OF OTTAWA

HLUI ID: __670INL

AREA (Square Metres): 16323.520

Report: RPTC_OT_DEV0122

Run On: 22 Nov 2019 at: 13:54:37

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	041430503	Y	N

Activity ID: 14515

Multiple PINS: Y

PIN Certainty: 1

Previous Activity ID(s) : 6190, 6060, 6064, 6082, 6077, 6084, 6094, 6095, 6098, 6099, 6102, 6103, 6105, 6108, 6109, 6110, 6111, 6112, 6115, 6117, 6121, 6122, 6124, 6125, 6127, 6129, 6130, 6190, 6191, 6192, 6193, 6198, 6200, 6202, 6203, 6238, 6240, 6243, 6245, 6280, 6282, 6284, 62

Related PINS: 041330051

Name: UNNAMED WASTE DISPOSAL SITE

Address: , OTTAWA

Facility Type: Other Utility Industries n.e.c.

Comments 1: UTM = 445870E, 5028130N, map 31G/5. Site #X1102 of closed sites in the MOE inventory (pg134).

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: 1991-WDSI/WMB/MOE; RBE 1992; MC Staff, 19/02/99; 1922DMD-TM-Ottawa-Sheet #14, 1948DND-ASE-NTS-31G/5, 1967-EMR-SMB-NTS-31G/5-7th ed., 1985-EMR-SMB-NTS-31G/5-11th ed., City of Gloucester-File #8-400-Box 130;

HL References 2: City of Gloucester File # 6-79A: Subject-Health/Dumping -Box 75 -28/12/64; 1938-39-DND-ASE-NTS-31B/13W-2nd ed., 1964-DND-MCE-NTS-31B/13-3rd ed., 1976-EMR-SMB-NTS-31B/13-4th ed., 1979-EMR-SMB-NTS-31B/13-5th ed.

HL References 3:

NAICS	SIC
562210	499
221330	499
221320	499
562920	499
562990	499

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	041430503	Y	N

Company Name	Year of Operation
Unnamed Waste Disposal Site	c. <1991
Unnamed Waste Disposal Site	c. 1953
Unnamed Waste Disposal Site	c. 1946
Unnamed Waste Disposal Site	c. 1924
Unnamed Waste Disposal Site	c. 1958
Unnamed Waste Disposal Site	c. 1979
Unnamed Waste Disposal Site	c. 1965
Unnamed Waste Disposal Site	c. 1974
Unnamed Waste Disposal Site	c. 1920-1931
Unnamed Waste Disposal Site	c. 1973
Unnamed Waste Disposal Site	c. 1927
Unamed Waste Disposal Site	c. 1966-1991
Unnamed Waste Dispoal Site	c. 1947
Unnamed Waste Disposal Site	c. 1976
Unnamed Waste Disposal Site	c. 1940
Unnamed Waste Disposal Site	c. 1962
Unnamed Waste Disposal Site	c. 1926
Unnamed Waste Disposal Site	c. 1944
Unnamed Waste Disposal Site	c. 1972
Unnamed Waste Disposal Site	c. 1935
Unnamed Waste Disposal Site	c. 1921-1945
Unnamed Waste Disposal Site	c. 1977
Unnamed Waste Disposal Site	c. 1947
Unnamed Waste Disposal Site	c. 1950
Unnamed Waste Disposal Site	c. 1981
Unnamed Waste Disposal Site	c. 1971
Unnamed Waste Disposal Site	c. 1963
Unnamed Waste Disposal Site	c. <1990
Unnamed Waste Disposal Site	c. 1964
Unnamed Waste Disposal Site	c. 1920
Unnamed Waste Disposal Site	c. 1938
Unnamed Waste Disposal Site	c. 1929

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	041430503	Y	N

Unnamed Waste Disposal Site c. 1966

Historical Land Use Inventory

Area #10 Activity Numbers

CITY OF OTTAWA

HLUI ID: __679BM1

AREA (Square Metres): 6591.644

Report: RPTC_OT_DEV0122

Run On: 22 Nov 2019 at: 13:55:23

Study Year	PIN	Multi-NAIC	Multiple Activities
2005	041440524	N	N

Activity ID: 6758

Multiple PINS: N

PIN Certainty: 1

Previous Activity ID(s) :

Related PINS: 041440524

Name: HOPEWELL AVENUE SCHOOL

Address: 17 HOPEWELL AVENUE, OTTAWA

Facility Type: Elementary and Secondary Education

Comments 1: Hopewell Avenue Public School

Comments 2:

Generator Number: ON4765316

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2003 PID

NAICS	SIC
611110	0

Company Name	Year of Operation
HOPEWELL AVENUE SCHOOL	c. 2003
HOPEWELL AVENUE SCHOOL	c. 2005

Historical Land Use Inventory

Area #11 Activity Numbers

CITY OF OTTAWA

HLUI ID: __679D9P

AREA (Square Metres): 452.400

Report: RPTC_OT_DEV0122

Run On: 22 Nov 2019 at: 13:56:14

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	041440332	Y	Y

Activity ID: 2149

Multiple PINS: N

PIN Certainty: 1

Previous Activity ID(s) : 2541

Related PINS: 041440332

Name: BREN'S UPHOLSTERY

Address: 1130 BANK STREET, OTTAWA

Facility Type: Household Furniture Stores

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
442110	621

Company Name	Year of Operation
Bren's Upholstery	c. 1980

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	041440332	Y	Y

Activity ID: 4332

Multiple PINS: N

PIN Certainty: 1

Previous Activity ID(s) : 6875

Related PINS: 041440332

Name: DAVID BERMAN (OUT OF BUSINESS)

Address: 2 HOPEWELL AVENUE, OTTAWA

Facility Type: Commercial Printing Industries

Comments 1: Generator #ON0861500 (waste generator)

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: PID1994

HL References 2:

HL References 3:

NAICS	SIC
323115	281
323114	281
323116	281
323119	281

Company Name	Year of Operation
David Berman (Out of Business)	c. 1994

Historical Land Use Inventory

Area #12 Activity Numbers

CITY OF OTTAWA

HLUI ID: __679D5D

AREA (Square Metres): 430.622

Report: RPTC_OT_DEV0122

Run On: 22 Nov 2019 at: 13:57:26

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	041440333	Y	Y

Activity ID: 10859

Multiple PINS: N

PIN Certainty: 1

Previous Activity ID(s) : 2148

Related PINS: 041440333

Name: PARKER'S CLEANERS AND DYERS

Address: 1136 BANK STREET, 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, M.1960, M.1970, M.1980

HL References 2:

HL References 3:

NAICS	SIC
812320	972
561740	972
812310	972
812330	972

Company Name	Year of Operation
Parker's Cleaners and Dyers	c. 1950-1960

CITY OF OTTAWA

HLUI ID: __679D5D

AREA (Square Metres): 430.622

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	041440333	Y	Y

Activity ID: 5237 **Multiple PINS:** N

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

Related PINS: 041440333

Name: ELITE DRAPERIES OF OTTAWA LIMITED

Address: 1134 BANK STREET, OTTAWA

Facility Type: Other 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
811420	0

Company Name	Year of Operation
ELITE DRAPERIES OF OTTAWA LIMITED	c. 2001

Historical Land Use Inventory

Area #13 Activity Numbers

CITY OF OTTAWA

HLUI ID: __67900P

AREA (Square Metres): 259.719

Report: RPTC_OT_DEV0122

Run On: 22 Nov 2019 at: 13:59:17

Study Year	PIN	Multi-NAIC	Multiple Activities
2005	041440334	N	N

Activity ID: 530

Multiple PINS: N

PIN Certainty: 1

Previous Activity ID(s) :

Related PINS: 041440334

Name: ADAMYK JANINE DESIGNS

Address: 1142 BANK STREET, OTTAWA

Facility Type: Women's Clothing Industries

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2001 Employment Survey

NAICS	SIC
315233	0

Company Name	Year of Operation
ADAMYK JANINE DESIGNS	c. 2001

Historical Land Use Inventory

Area #14 Activity Numbers

CITY OF OTTAWA

HLUI ID: __6790HB

AREA (Square Metres): 249.227

Report: RPTC_OT_DEV0122

Run On: 22 Nov 2019 at: 13:59:59

Study Year	PIN	Multi-NAIC	Multiple Activities
2005	041440336	Y	N

Activity ID: 6770

Multiple PINS: N

PIN Certainty: 1

Previous Activity ID(s) :

Related PINS: 041440336

Name: HORTUS URBANUS

Address: 1154 BANK STREET,

Facility Type: Hardware, Paint, Glass and Wallpaper Stores (paint storage)

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2005 Select Phone

NAICS	SIC
444210	0
444220	0

Company Name	Year of Operation
HORTUS URBANUS	c. 2005
HORTUS URBANUS	c. 2001

Historical Land Use Inventory

Area #15 Activity Numbers

CITY OF OTTAWA

HLUI ID: __679DSJ

AREA (Square Metres): 352.326

Report: RPTC_OT_DEV0122

Run On: 22 Nov 2019 at: 14:00:42

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	041440393	Y	N

Activity ID: 8540

Multiple PINS: N

PIN Certainty: 1

Previous Activity ID(s) : 3506

Related PINS: 041440393

Name: LEWIS MOTORS

Address: 1158 BANK STREET, OTTAWA

Facility Type: Motor Vehicle Repair Shops

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: M.1970

HL References 2:

HL References 3:

NAICS	SIC
811121	635
811119	635
811112	635

Company Name	Year of Operation
Lewis Motors	c. 1970

Historical Land Use Inventory

Area #16 Activity Numbers

CITY OF OTTAWA

HLUI ID: __679DG6

AREA (Square Metres): 493.363

Report: RPTC_OT_DEV0122

Run On: 22 Nov 2019 at: 14:01:09

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	041300008	Y	Y

Activity ID: 14405

Multiple PINS: N

PIN Certainty: 1

Previous Activity ID(s) :

Related PINS: 041300008

Name: TRILLIUM BAKERY LIMITED

Address: 209 BELMONT AVENUE,

Facility Type: Fruit and Vegetable Industries

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2005 Select Phone

NAICS	SIC
311830	0
311990	0

Company Name	Year of Operation
TRILLIUM BAKERY LIMITED	c. 2005

CITY OF OTTAWA

HLUI ID: __679DG6

AREA (Square Metres): 493.363

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	041300008	Y	Y

Activity ID: 8268
Multiple PINS: N
PIN Certainty: 1
Previous Activity ID(s) : 5002
Related PINS: 041300008
Name: MAJESTIC CLEANERS & LAUNDRY
Address: 1149 BANK STREET,
Facility Type: Laundries and Cleaners
Comments 1:
Comments 2:
Generator Number:
Storage Tanks:
HL References 1: SC98
HL References 2:
HL References 3: 2005 Select Phone

NAICS	SIC
561740	972
812330	972
812320	0
812310	972
812320	972

Company Name	Year of Operation
MAJESTIC CLEANERS & LAUNDRY	c. 2005
Majestic Cleaners and Laundry	c. 1998
MAJESTIC CLEANERS & LAUNDRY	c. 2001

Historical Land Use Inventory

Area #17 Activity Numbers

CITY OF OTTAWA

HLUI ID: __670H4B

AREA (Square Metres): 903.064

Report: RPTC_OT_DEV0122

Run On: 22 Nov 2019 at: 14:02:08

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	041300006	Y	N

Activity ID: 7476

Multiple PINS: N

PIN Certainty: 1

Previous Activity ID(s) : 3670

Related PINS: 041300006

Name: JOHN E. HERMON

Address: 1127 BANK STREET, OTTAWA

Facility Type: Sugar and Sugar Confectionery 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
311310	108
311830	107
311320	108
311330	108
311814	107
311821	107
311340	108

Company Name	Year of Operation
Duncan's Bakery	c. 1930
John E. Hermon	c. 1920

Historical Land Use Inventory

Area #18 Activity Numbers

CITY OF OTTAWA

HLUI ID: __679BYK

AREA (Square Metres): 402.474

Report: RPTC_OT_DEV0122

Run On: 22 Nov 2019 at: 14:05:07

Study Year	PIN	Multi-NAIC	Multiple Activities
2005	041300005	N	N

Activity ID: 2395

Multiple PINS: N

PIN Certainty: 1

Previous Activity ID(s) :

Related PINS: 041300005

Name: CASA LUNA FURNITURE ACCESSORIES LIMITED

Address: 1115 BANK STREET, OTTAWA

Facility Type: Household Furniture Stores

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2001 Employment Survey

NAICS	SIC
442110	0

Company Name	Year of Operation
CASA LUNA FURNITURE ACCESSORIES LIMITED	c. 2001

Historical Land Use Inventory

Area #19 Activity Numbers

CITY OF OTTAWA

HLUI ID: __679DE3

AREA (Square Metres): 478.814

Report: RPTC_OT_DEV0122

Run On: 22 Nov 2019 at: 14:05:58

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	041300003	Y	N

Activity ID: 12707

Multiple PINS: N

PIN Certainty: 1

Previous Activity ID(s) : 1835

Related PINS: 041300003

Name: SPIC AND SPAN CLEANERS

Address: 1103 BANK STREET, OTTAWA

Facility Type: Laundries and Cleaners

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: M.1949, M.1954, M.1957, M.1960, M.1970, M.1980; FIP1901-key, Vol1; FIP1912-156-1099B, Vol2; FIP1922-156-1099, Vol2; FIP-239-1099B; FIP1956-240-1099B

HL References 2:

HL References 3:

NAICS	SIC
812330	972
812310	972
561740	972
812320	972

Company Name	Year of Operation
Spic and Span Cleaners	c. 1970-1980
The Oriental Rug Cleaners	c. 1948

Historical Land Use Inventory

Area #20 Activity Numbers

CITY OF OTTAWA

HLUI ID: __679D0E

AREA (Square Metres): 459.401

Report: RPTC_OT_DEV0122

Run On: 22 Nov 2019 at: 14:06:27

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	041300001	N	N

Activity ID: 5743

Multiple PINS: N

PIN Certainty: 1

Previous Activity ID(s) : 911

Related PINS: 041300001

Name: GERVIN JAS D. PLUMBER AND TINSMITH

Address: 1095 BANK STREET, OTTAWA

Facility Type: Plumbing, Heating and Air Conditioning, Mechanical 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
238220	424

Company Name	Year of Operation
Gervin Jas D. Plumber and Tinsmith	c. 1940-1950

Historical Land Use Inventory

Area #21 Activity Numbers

CITY OF OTTAWA

HLUI ID: __6790E5

AREA (Square Metres): 1381.183

Report: RPTC_OT_DEV0122

Run On: 22 Nov 2019 at: 14:07:16

Study Year	PIN	Multi-NAIC	Multiple Activities
2005	041310039	N	N

Activity ID: 8041

Multiple PINS: N

PIN Certainty: 1

Previous Activity ID(s) :

Related PINS: 041310039

Name: LANSDOWNE ANIMAL HOSPITAL

Address: 281 SUNNYSIDE AVENUE, OTTAWA

Facility Type: Services Incidental to Livestock and Animal Specialties

Comments 1:

Comments 2:

Generator Number: ON7523323

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2003 PID

NAICS	SIC
541940	0

Company Name	Year of Operation
LANSDOWNE ANIMAL HOSPITAL	c. 2001
LANSDOWNE ANIMAL HOSPITAL	c. 2003

Historical Land Use Inventory

Area #22 Activity Numbers

CITY OF OTTAWA

HLUI ID: __679BPA

AREA (Square Metres): 560.219

Report: RPTC_OT_DEV0122

Run On: 22 Nov 2019 at: 14:07:44

Study Year	PIN	Multi-NAIC	Multiple Activities
2005	041310004	N	N

Activity ID: 5988

Multiple PINS: N

PIN Certainty: 1

Previous Activity ID(s) :

Related PINS: 041310004

Name: FULL CYCLE

Address: 1073 BANK STREET, OTTAWA

Facility Type: Paint and Varnish Industry

Comments 1:

Comments 2:

Generator Number: ON1832201

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2000 PID

NAICS	SIC
325510	0

Company Name	Year of Operation
FULL CYCLE	c. 2000

Historical Land Use Inventory

Area #23 Activity Numbers

CITY OF OTTAWA

HLUI ID: __670H1Y

AREA (Square Metres): 393.812

Report: RPTC_OT_DEV0122

Run On: 22 Nov 2019 at: 14:08:23

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	041310003	Y	N

Activity ID: 1115

Multiple PINS: N

PIN Certainty: 1

Previous Activity ID(s) : 6881

Related PINS: 041310003

Name: ALLEGRA PRINT & IMAGING

Address: 1069 BANK STREET, OTTAWA

Facility Type: Platemaking, Typesetting and Bindery Industry

Comments 1:

Comments 2:

Generator Number: ON1491608

Storage Tanks:

HL References 1: PID1994

HL References 2:

HL References 3: 2000 PID

NAICS	SIC
323116	281
812921	0
812921	282
323114	281
323114	0
323115	0
323119	281
323120	282
323115	281
323120	0

Company Name	Year of Operation
ALLEGRA PRINT & IMAGING	c. 2003
ALLEGRA PRINT & IMAGING	c. 2005
Zippy Print	c. 1994
ALLEGRA PRINT & IMAGING	c. 2000
ALLEGRA PRINT & IMAGING	c. 2001

Historical Land Use Inventory

Area #24 Activity Numbers

CITY OF OTTAWA

HLUI ID: __679FMK

AREA (Square Metres): 1308.789

Report: RPTC_OT_DEV0122

Run On: 22 Nov 2019 at: 14:08:51

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	041310002	Y	Y

Activity ID: 12546

Multiple PINS: N

PIN Certainty: 1

Previous Activity ID(s) :

Related PINS: 041310002

Name: SPECIALIST

Address: 1063 BANK STREET,

Facility Type: Motor Vehicles, Wholesale

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2005 Select Phone

NAICS	SIC
811111	0

Company Name	Year of Operation
SPECIALIST	c. 2005

CITY OF OTTAWA

HLUI ID: __679FMK

AREA (Square Metres): 1308.789

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	041310002	Y	Y

Activity ID: 5381 **Multiple PINS:** N

PIN Certainty: 1 **Previous Activity ID(s) :** 1962

Related PINS: 041310002

Name: ROY BARBER SERVICES LIMITED

Address: 1063 BANK STREET, OTTAWA

Facility Type: Motor Vehicle Repair Shops

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: M.1960, M.1970, M.1980, M.1990, M.1997; SC98, M.1997

HL References 2:

HL References 3: 2005 Property Assessment

NAICS	SIC
447110	633
811121	635
811112	635
447190	633
811121	0
811119	635
447110	0
447190	0
811111	0
811199	0
811112	0
811119	0
811199	633

Company Name	Year of Operation
Roy Barber Service Station/MacEwan Petroleum	c. 1970-1998
ROY BARBER SERVICES LIMITED	c. 2005
ROY BARBER SERVICES LIMITED	c. 2001
Fred Bowes Service Station	c. 1960

Historical Land Use Inventory

Area #25 Activity Numbers

CITY OF OTTAWA

HLUI ID: __679DJZ

AREA (Square Metres): 320.747

Report: RPTC_OT_DEV0122

Run On: 22 Nov 2019 at: 14:09:51

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	041300066	Y	Y

Activity ID: 8531

Multiple PINS: N

PIN Certainty: 1

Previous Activity ID(s) : 5787

Related PINS: 041300066

Name: LETRASET CANADA. A DIVISION OF ESSELTE CANADA

Address: 3 WILLARD STREET, OTTAWA

Facility Type: Other Manufactured Products Industries

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: SC98

HL References 2:

HL References 3:

NAICS	SIC
334610	399

Company Name	Year of Operation
Letraset Canada. A Division of Esselte Canada	c. 1998

CITY OF OTTAWA

HLUI ID: __679DJZ

AREA (Square Metres): 320.747

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	041300066	Y	Y

Activity ID: 9819 **Multiple PINS:** N

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

Related PINS: 041300066

Name: NIELSEN & BAINBRIDGE

Address: 3 WILLARD STREET, OTTAWA

Facility Type: Leather and Allied Products Industries

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2001 Employment Survey

NAICS	SIC
321999	0

Company Name	Year of Operation
NIELSEN & BAINBRIDGE	c. 2001

Mandy Witteman

From: Public Information Services <publicinformationservices@tssa.org>
Sent: October-25-19 9:10 AM
To: Mandy Witteman
Subject: RE: Search Records Request (PE478X)

Records Found

Hello,

Thank you for your request for confirmation of public information.

- We confirm the following **fuel storage tanks records** in our database at the subject address(es).

Inst Number	Context	Address	City	Province	Postal Code	Status
9459006	FS GASOLINE STATION - FULL SERVE	1063 BANK ST	OTTAWA	ON	K1S 3W9	EXPIRED
9464666	FS GASOLINE STATION - FULL SERVE	1080 BANK ST	OTTAWA	ON	K1S 3X3	EXPIRED
10113045	FS PROPANE CYLR HANDLING FACILITY	1080 BANK ST	OTTAWA	ON	K1S 3X3	EXPIRED
11430280	FS Liquid Fuel Tank	1063 BANK ST	OTTAWA	ON	K1S 3W9	EXPIRED
10899668	FS Liquid Fuel Tank	1063 BANK ST	OTTAWA	ON	K1S 3W9	EXPIRED
10899690	FS Liquid Fuel Tank	1063 BANK ST	OTTAWA	ON	K1S 3W9	EXPIRED
10899709	FS Liquid Fuel Tank	1063 BANK ST	OTTAWA	ON	K1S 3W9	EXPIRED
10899724	FS Liquid Fuel Tank	1063 BANK ST	OTTAWA	ON	K1S 3W9	EXPIRED
10899741	FS Liquid Fuel Tank	1063 BANK ST	OTTAWA	ON	K1S 3W9	EXPIRED
10899762	FS Liquid Fuel Tank	1080 BANK ST	OTTAWA	ON	K1S 3X3	EXPIRED
10899779	FS Liquid Fuel Tank	1080 BANK ST	OTTAWA	ON	K1S 3X3	EXPIRED
11254036	FS Liquid Fuel Tank	1063 BANK ST	OTTAWA	ON	K1S 3W9	EXPIRED
11254047	FS Liquid Fuel Tank	1063 BANK ST	OTTAWA	ON	K1S 3W9	EXPIRED
11254054	FS Liquid Fuel Tank	1063 BANK ST	OTTAWA	ON	K1S 3W9	EXPIRED
11254065	FS Liquid Fuel Tank	1063 BANK ST	OTTAWA	ON	K1S 3W9	EXPIRED

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 publicinformationservices@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.

Kind regards,

Gaya

From: Mandy Witteman <MWitteman@Patersongroup.ca>
Sent: October 24, 2019 4:30 PM
To: Public Information Services <publicinformationservices@tssa.org>
Subject: Search Records Request (PE478X)

Good Afternoon

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:**

Bank Street: 1050, 1060, 1049, 1063, 1065, 1071, 1075, 1070, 1080, 1040

Thank you.

Cheers,

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

patersongroup
solution oriented engineering
over 60 years servicing our clients

154 Colonnade Road South
Ottawa, Ontario, K2E 7J5
Tel: (613) 226-7381 Ext. 339
Cell: (403) 921-1157

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APPENDIX 3

QUALIFICATIONS OF ASSESSORS

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

patersongroup

POSITION

Intermediate Environmental Engineer

EDUCATION

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

MEMBERSHIPS & AWARDS

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

EXPERIENCE

2018 – Present
Paterson Group Inc.
Consulting Engineers
Geotechnical and Environmental Division
Environmental Engineer

2014 – 2015
Thurber Engineering Limited
Oil Sand Tailings Group
Tailings Engineer

2009 – 2014
Carleton University
Department of Civil & Environmental Engineering
Research Engineer, Research Assistant & Teaching Assistant

2008 – 2009
SLR Consulting Limited
Contaminated Sites
Junior Environmental Engineer

SELECTED LIST OF PROJECTS

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

KARYN MUNCH, P.ENG.

patersongroup

POSITION

Intermediate Environmental Engineer

EDUCATION

Carleton University, B.Eng. 2002
Environmental Engineering

MEMBERSHIPS AND AWARDS

Professional Engineers of Ontario
Ottawa Geotechnical Society

EXPERIENCE

2011-present
Paterson Group Inc.
Consulting Engineers
Geotechnical and Environmental Division
Intermediate Engineer

2009-2010
Department of Indian and Northern Affairs
Contaminated Sites Division
Environment Officer (PC-02)

2003 to 2009
Paterson Group Inc.
Consulting Engineers
Geotechnical and Environmental Division
Intermediate Engineer

2002 to 2003
Dessau Soprin Inc.
Consulting Engineers
Environmental Division
Junior Engineer

SELECT LIST OF PROJECTS

Billings-Hurdman Interconnect Watermain - Ottawa
Telus Building Remediation - Ottawa
Block D Lands Remediation and Redevelopment – Kingston
Alcan Plant Redevelopment - Kingston
Gladstone Avenue Reconstruction - Ottawa
Lees Avenue Coal Tar Site - City of Ottawa
Nortel Networks Environmental Monitoring Program
3W Zone Feedermain – Ottawa
Bank Street Reconstruction – Ottawa
Lees Avenue Remediation Program – Ottawa
Colonnade Road North Development – Ottawa
Montreal Road Reconstruction – Ottawa
Designated Substance Surveys – Residential and Commercial Sites - Ottawa
Phase I & II Environmental Site Assessments – Residential, Commercial and Industrial Sites – Ottawa (CSA Z768-01 and O.Reg 269/11)
Brownfields Applications and Records of Site Condition – Residential and Commercial Redevelopment

Environmental Engineering

Geotechnical Engineering

Materials Testing Quality Control

Building Sciences

Hydrogeology

Archeological Services