Geotechnical Engineering

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Phase I Environmental Site Assessment

2 Robinson Avenue Ottawa, Ontario

Prepared For

Place Dorée Real Estate Holdings Inc.

Paterson Group Inc.

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Report: PE4528-1



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EXECUTIVE SUMMARY

Assessment

Paterson Group was retained by Place Doreé Real Estate Holdings Inc. to conduct a Phase I Environmental Site Assessment (ESA) for the property addressed 2 Robinson Avenue, in the City of Ottawa. The purpose of this Phase I ESA was to research the past and current use of the Phase I Property and Phase I ESA Study Area and to identify any environmental concerns with the potential to have impacted the subject land.

Six (6) PCAs resulting in APECs were identified on the subject site through the historical investigation. The results of the historical research indicated that the Phase I Property was first developed circa 1950 as railway lines and a roadway. A light industrial facility was located immediately west of the subject site, with some associated buildings located within the western boundary. Two (2) underground storage tanks (USTs) were identified in the TSSA search. Hurdman Road had also previously intersected the central portion of the subject site resulting in a PCA. A previous Phase II-ESA report conducted for the subject site identified the presence of BTEX, PHC, Metals and PAH contaminated fill on site. The presence of the impacted fill material and the historical uses of the subject site as well as the identified USTs are considered PCAs which result in APECs.

Historical research indicated that seven (7) historical off-site PCAs exist within the Phase I study area which include a gas plant, oil services, dry cleaners, light industrial buildings, petroleum wholesale, an automotive service garage, and railway station and freight sheds. Based on previous environmental reports, the separation distances, and the cross- or down-gradient locations between the PCAs and the subject site, they are not considered to represent APECs.

Following the historical research, an inspection of the subject site and the surrounding properties was conducted. The subject site is currently occupied by a vacant two-storey cultural building. An electrical transformer was located to the southeast of the subject building. The presence of the electrical transformer is considered to be a potentially contaminating activity and represents an area of potential environmental concern for the subject site.

Based on the results of the Phase I ESA, in our opinion, a Phase II Environmental Site Assessment is required and has been completed for the subject site.



Recommendations

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

Based on the historical land use, the Phase I Property was considered commercial as defined by O.Reg. 153/04 and as such, a Record of Site Condition (RSC) is required as there will be change in land use of the Phase I Property to a more sensitive land use (residential).



1.0 INTRODUCTION

At the request of Place Dorée Real Estate Holding Inc., Paterson Group (Paterson) conducted a Phase I Environmental Site Assessment (Phase I ESA) for 2 Robinson Avenue, in the City of Ottawa, Ontario. The purpose of this Phase I ESA was to research the past and current use of the site and study area and to identify any environmental concerns with the potential to have impacted the subject property.

Paterson was engaged to conduct this Phase I ESA by Mr. Mike Marcella of Place Doreé Real Estate Holdings Inc. The offices of Place Doreé Real Estate Holdings Inc are located at 88 Albert Street, Ottawa Ontario. Mr. Marcella can be reached by telephone at 343-550-9661.

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

This Phase I-ESA report has been prepared in general accordance with Ontario Regulation 153/04 as amended by O.Reg. 269/11 (Environmental Protection Act) and 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: 2 Robinson, Avenue, Ontario.

Legal Description: Part of Lot F, Concession D, Geographic Township of

Nepean, City of Ottawa

Property Identification

Numbers: 04204-0243,04204-0245,04204-0267, 04204 0270

Location: The Phase I Property is located on the north side of

Lees Avenue at the intersection of Robinson Avenue,

in Ottawa, Ontario

Latitude and Longitude: 45° 25' 07" N, 75° 40' 20" W

Site Description:

Configuration: Irregular (approximate)

Site Area: 22,945 m² (approximate)

Zoning: TD2 – Transit Oriented Development Zone.

Current Use: The property is occupied by a vacant two storey

cultural centre with no basement level.

Services: The subject site is located in a municipally serviced

area.



3.0 SCOPE OF INVESTIGATION

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



4.0 RECORDS REVIEW

4.1 General

Phase I-ESA Study Area Determination

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

First Developed Use Determination

Based on the city directories, it is our interpretation that the Phase-I property was developed circa 1950 with railroad tracks and spurs. The western edge of the property was used in conjunction with a light industrial facility located on the adjacent lot to the west.

Fire Insurance Plans

Fire Insurance Plans (FIPs) from 1888 (updated in 1901) and 1956 were reviewed for the Phase I Property and Phase I study area.

The Phase I property was represented on FIPs in 1956 (sheets 217-3 and 4, 218-3, 234 -1 and 2 and 235-1. The 1956 FIP indicated that the property consisted of railway lines from the New York Central Railway and Canadian National Railways and was intersected by Hurdman Road. At this time, the subject site was also being used for the stockpiling of coal. The former uses of the subject site are considered to be potentially contaminating activities and therefore represent areas of potential environmental concern.

Surrounding properties along Mann Avenue, Hurdman Road and Lees Avenue were primarily used for commercial, residential, and light industrial purposes.

Six underground storage tanks (USTs) and three above ground fuel tanks (ASTs) were located at 30 Mann Avenue on sheet 235-1(1956). The tanks belonged to Cities Services Oil Co. LTD and were approximately 150 m north of the subject site.



Based on their separation distances and their cross-gradient location with respect to the subject site, the storage tanks and associated activities with the property are not considered to have had the potential to impact the subject site.

City of Ottawa Street Directories

City directories for the area of the subject site were reviewed from 1896 to 2011 at approximate 10-year intervals. Based on the city directories, the present-day cultural building has occupied the site since circa 1990.

Based on conversations with the present-day property owner's representative, the property was previously used as an Iranian cultural center from the early 1990s until now and a coal storage yard in the 1950s.

Historically, surrounding properties have generally been used for residential, commercial, and industrial purposes. Based on the historical information reviewed from the National Archives, six (6) potential environmental concerns were identified regarding surrounding properties and have been summarized in Table 1 below.

Table 1: City Directories – Surrounding Potentially Contaminating Activities						
Address Listed Activity (years listed)		Approximate Distance / Orientation from site	Potential Environmental Concern (Y / N)			
	Hurdman Road		_			
Hurdman N	Railway Station and Freight Sheds (1920-1961)	100m SW	N			
Hurdman N Dominion Reinforcing Steel, Green AP Fibre, Husmith Waterproofing and Paving and Ideal Roofing Co. Sheet Metal Products		100m SE	N			
	Mann Avenue					
Dolan Jos and Sons (Petroleum Products 35 Mann and Wholesale)/Mahoney and Rich Garage		230m NW	N			
20A Mann Cities Services Oil Co.		50m W	N			
99 Mann	Sandy Hill Cleaners	244m N	N			



Chain of Title

Paterson requested a current land titles for the properties constituting the subject site with Read Abstracts Limited of Ottawa, Ontario. The records review was requested back to the first registered landowner. The first documented ownership was dated in 1876 and the use of the property at this time was not documented. The land was primarily used in conjunction with the railway and ownership was transferred from the New York Railway Company to the National Capital Commission. The Fatima Cultural Activities Inc. purchased the property in 1998 and was later sold to the Mobin Foundation in 2001 who owned the property until 2019. No additional PCAs were identified through an analysis of the Chain of Title document.

Plan of Survey

A survey plan prepared by Annis, O'Sullivan, Vollebekk Ltd. and dated July 16, 2018, was reviewed as part of this assessment. The survey plan shows the Phase I Property in its current configuration, with the existing two-storey building.

Environmental Reports

A review of the following reports was conducted as a part of this assessment:

u	"Phase I - Environmental Site Assessment, 2 Robinson Ave, Ottawa
	Ontario", prepared by Pinchin, dated July 2018.
	"Phase II - Environmental Site Assessment, 2 Robinson Ave, Ottawa
	Ontario", prepared by Pinchin, dated September 2018.
	"Phase II - Environmental Site Assessment, 2 Robinson Ave, Ottawa
	Ontario" prepared by Paterson Group dated March 2019.

Pinchin conducted a Phase I-Environmental Site Assessment (ESA) of 2 Robinson Avenue in the City of Ottawa, Ontario. A Phase II – ESA was recommended and conducted on the subject site to asses potential soil and groundwater impacts form the former use of the subject site as well as to assess the potential impacts from the adjacent property, a former light industrial facility. Two on site PCAs as well as one off site PCA resulted in APECs for the subject site. The on-site PCA was a result of two inactive 9100 L USTs located on the western portion of the site. The two offsite PCAs resulted from a light industrial facility located west of the subject site and a coal storage yard located east of the subject site.



Pinchin also completed a Phase II – ESA on the subject property in September of 2018. The Phase II – ESA was completed to assess the APECs addressed in their initial Phase I – ESA. No impacted groundwater was identified at the time of the assessment, but laboratory analysis of the soil samples confirmed PAH and PHCs (F₄ Gravimetric) impacts across the central portion of the subject site. It was concluded that the identified exceedances are likely due to the importation of fill material of unknown quality.

Paterson Group conducted a Phase II - ESA on the subject property in March of 2019. The Phase II - ESA was completed to assess potentially contaminating activities identified during the Pinchin Phase I - ESA and additional historical research.

Twelve (12) boreholes, six of which were equipped with a groundwater monitoring well, were placed on the subject property on February 7th, 12th, 14th and 15th, 2019.

Non-inert material (coal) in the lower most fill layer was noted in the soil samples obtained from BH1, BH2A, BH3, BH4, BH5, respectively (BH1-AU1 and BH2-AU1).

Soil samples were submitted for benzene, toluene, ethylbenzene, and xylenes (BTEX), Metals, petroleum hydrocarbons (PHCs, $F_1 - F_4$) and polycyclic aromatic hydrocarbons (PAHs) and volatile organic compounds (VOCs) analysis. BTEX, PHC, Metals and PAH parameters exceeding the MECP Table 3 Standards were identified in the fill to the east and west of the building.

PAHs impacts were identified within the soil beneath the existing pavement structure on site.



Groundwater samples were recovered from each of the monitoring wells installed in BH2A, BH4, BH6, BH10, BH11 and BH12, in February from the 7th to the 15th. All of the groundwater samples were submitted for BTEX, PHCs, PAHs, VOCs and Metals analysis. No impacted groundwater was identified on the subject site.

It was determined that the presence of the impacted fill poses an environmental risk to property and as a result, it will be necessary to remediate this material for the future intended use of the land. It was recommended that the most practical time to remediate this fill would be in conjunction with the redevelopment of the land, once all of the building structures have been removed and the most economical method of remediation was considered to be an excavation and off-site disposal program (where the impacted fill is disposed of at an approved waste disposal facility).

An asbestos survey of the subject structure should be completed in accordance with Ontario Regulation 278/05, particularly if any renovation/demolition work is to be carried out on the building.

4.2 Environmental Source Information

Environment Canada

A search of the National Pollutant Release Inventory (NPRI) was conducted electronically in August 2019. The subject site and adjacent properties were not listed in the NPRI database. No records of pollutant release were listed in the database for properties located within the Phase I Study Area.

PCB Inventory

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

Ontario Ministry of Environment Conservation and Parks (MECP)

A request was submitted to the MECP Freedom of Information office for information with respect to certificates of approval, permits to take water, certificates of property use or any other similar MECP issued instruments for the Phase I Property. Based on the MECP response dated August 28, 2019, no records were identified. A copy of the MECP response is provided in Appendix 2.



MECP Coal Gasification Plant Inventory

The MECP document titled "Municipal Coal Gasification Plant Site Inventory, 1991" was reviewed to reference the locations of former plants with respect to the site. No coal gasification plants were identified within the Phase I Study Area.

MECP Incident Reports

A request was submitted to the MECP Freedom of Information 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. Based on the MECP response dated August 28, 2019, no waste management records were identified. A copy of the MECP response is provided in Appendix 2.

MECP Waste Management Records

A request was submitted to the MECP Freedom of Information office for information with respect to waste management records. Based on the MECP response dated August 28, 2019, a Generator Registration Report was submitted on December 22, 1988 for the subject property. The waste classes selected for the waste generator were 252L, 221L and 213L under schedule A. These classes cover used lubricating and hydraulic oils (252L), mixed gasoline and diesel fuel (221I) and naphtha petroleum (213I).

MECP Submissions

A request was submitted to the MECP Freedom of Information office for information with respect to reports related to environmental conditions have been submitted to the MECP. The MECP responded by identifying a Generator Registration number that was assigned to the property in 1988. Associated environmental concerns with the waste generation are used lubricating and hydraulic oils, mixed gasoline and diesel fuel and naphtha petroleum.



MECP Record of Site Condition (RSC)

A search of the MECP Record of Site Condition database was conducted for properties within the Phase I Study Area. No Records of Site Condition (RSCs) have been filed for the Phase I Property. One RSC (No. 222928) was identified within the Phase I – Study Area. The RSC was submitted for 45 Mann Avenue. Based on the separation distance and the information in the database, this property is not considered to pose a concern to the Phase I Property.

MECP Brownfields Environmental Site Registry

A search of the MECP Brownfields environmental site registry was conducted electronically on August 20, 2019. The subject site and neighbouring properties were not listed in the MECP site registry.

MECP Waste Disposal Site Inventory

The MECP document titled "Waste Disposal Site Inventory in Ontario, 1991" was reviewed as part of the historical research. This document includes all recorded active and closed waste disposal sites, industrial manufactured gas plants and coal tar distillation plants in the Province of Ontario.

Based on the available information, no waste disposal sites were present within the Phase I Study Area.

One (1) closed waste disposal site was identified within 500m of the subject site. Details regarding this closed waste disposal site all presented below in Table 2.

Table 2 Waste Disposal Sites					
Landfill Site Location Activity Owner Location					
X-1017	Lees Avenue (Algonquin College)	1947	Institutional and Private	400 m SE	

Based on the separation distance (over 200m) and the inferred down-gradient location with respect to the subject site, the presence of this former landfill is not considered to have the potential to impact the subject property.



Areas of Natural Significance

A search for areas of natural significance and features within the Phase I study area was conducted on the web site of the Ontario Ministry of Natural Resources (MNR) on August 12, 2019. The search did not reveal any natural features or areas of natural significance on the Phase I Property or other properties within the Phase I Study Area.

Technical Standards and Safety Authority (TSSA)

The TSSA, Fuels Safety Branch in Toronto was contacted electronically on August 2, 2019 to inquire about current and former underground storage tanks, spills and incidents for the site and neighbouring properties. Based on the records that are listed in the TSSA registry for the general area of the site, there were two (2) underground fuel storage tanks present on the Phase-I property. The USTs are single walled with a storage capacity of 9100L. The tanks were installed in 1990 and acquired a status of inactive in 2007 and Paterson was not provided with any documentation regarding their removal.

City of Ottawa Old Landfill Document

The document prepared by Golder Associates entitled "Old Landfill Management Strategy, Phase I - Identification of Sites, City of Ottawa", was reviewed.

Four (4) landfill sites were identified within 500 meters of the subject property, as presented in Table 3.

Table 3 Former Landfill Sites						
Landfill Number	Owner	Location				
UR-36	UR-36 North of Lees Ave, Lot 6, Con D		Private and Government	250m SW		
Between Henderson and Ur-40 King Edward Streets, south of Templeton St.		Prior to 1928	Institutional	340m NW		
Ur-28 Lees Ave. (Old Armory)		Closed Circa 1935	City and Private	419m S		
Ur-12 Algonquin College Rideau Campus (Lees Avenue)		1933-1947	Institutional and Private	400m SE		



Based on the separation distance and the inferred cross- or down-gradient location with respect to the subject site, the presence of these former landfills is not considered to have the potential to impact the subject property.

City of Ottawa Historical Land Use Inventory (HLUI)

An HLUI application form, requesting information from the City's Historical Land Use Inventory (HLUI 2005) database for the Phase I Property and adjacent lands, was submitted to the City of Ottawa. A copy of the HLUI is appended to this report. The HLUI response did not contain any new environmental concerns that have not already been identified. The site had previously been owned by the Mobin Foundation and one of the listed activities under their ownership was vehicle repairs. The New York Central Railway and a coal storage yard were also listed as previous activities.

Former Industrial Sites

The report entitled "Mapping and Assessment of Former Industrial Sites, City of Ottawa" was also reviewed. Three (3) former industrial sites were identified within 250 meters of the Phase-I property as presented in the following table.

Table 4 Former Industrial Sites						
Industrial Site Number	Owner	Location				
11 South side of Mann Avenue		N/A	City Services Oil Co. Ltd.	50 m NW		
12 Scott Street (Laroche Park)		1930-1966	Currie Products Ltd.	480 m S		
14	175 Lees Avenue	1915-1960s	Ottawa Gas Co., Gasworks	207 m SE		



4.3 Physical Setting Sources

Aerial Photographs

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

1928

Hurdman Road can be see running east to west through the central portion of the subject site extending further west than its present-day orientation. The construction of Robinson Avenue has not yet been completed. It appears that the subject site is occupied by vacant land and railway lines at this time. Neighbouring properties to the north consist of vacant undeveloped land and properties to the west are occupied by a light industrial and commercial buildings. Properties to the south appear to consist of a gas plant, railway roundhouse and railway lines as well as a landfill to the southeast.

1958

There appears to be a storage structure on the eastern side of the subject site. Stockpiled material that appears to be coal is located on the central and northwestern portion of the site. The neighbouring properties have been developed with residential dwellings and a commercial building followed by Chapel Crescent and Wiggins Private both in their current configurations. Lees Avenue can be seen in its present-day configuration south of the subject site.

1965

No significant changes have been made to the subject site or surrounding properties with exemption of the demolition of the railway roundhouse to the south.

1976

An unknown roadway can be seen intersecting the western and northwestern portions of the subject site. Increased residential development as well as undeveloped land to the east of the site can be observed in their present-day configurations. Highway 417 is now present to the south of the site. The light industrial and commercial buildings as well as the railway lines that had previously been present west of the site are gone.



1991	A single-storey commercial building and parking lot are now present on the subject site. Significant institutional and residential development in association with Algonquin College to the south of the subject property along Lees Avenue can now be observed. The two (2) USTs that had been installed in 1990 appear to be on the northwest side of the parking lot approximately 22 m from the northwestern corner of the subject building. The remaining surrounding properties are unchanged from the previous photo.			
2002	No significant changes have been made to the subject property aside from a northern extension of the parking lot. An additional parking lot to the west of the site for the adjacent commercial building has also been developed.			
2010	No significant changes have been made to the subject or surrounding properties.			
2017	No significant changes have been made to the subject or surrounding 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 in the general area of the Phase I Property slopes gradually downward in a south-easterly direction. According to the maps, the nearest water body is the Rideau River, located approximately 375 m to the east 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 part of this assessment. According to the publication, the site is situated within the Ottawa Till Plain physiographic region.



Geological Maps

The Geological Survey of Canada website on the Urban Geology of the National Capital Area was consulted as part of this assessment. Based on the information from NRCAN, bedrock in the area of the site consists of shale of the Carlsbad Formation. The thickness of overburden ranges from 10 to 15m. Overburden consists of sand and reworked glaciofluvial sediments. Based on results from previous subsurface investigations on the subject site, groundwater is expected to be encountered in the overburden between 3m and 7m below the existing grade. Bedrock was encountered at depths ranging from 10.2 to 11.5 m.

Water Well Records

According to the MECP well mapping database, there are no records of monitoring wells for the Phase I Property, other than those drilled by Paterson as part of the 2019 Phase II-ESA. These wells were drilled on the subject site to assess potential soil and groundwater impacts from the identified PCAs in a previously completed Phase I – ESA.

A total of (36) monitoring wells were identified on neighbouring properties located within the Phase I Study Area: eighteen (18) on 1 Robinson Avenue; seven (7) on 60 Mann Avenue; four (4) on 191 Lees Avenue; one (1) on Greenfield at Highway No. 417; one (1) at 99 Mann Avenue; one (1) 30/33 Mann Avenue; one (1) on 86 Templeton; one (1) on 6 Mann Avenue and two (2) on 3 Hurdman.

Copies of the well records are provided in Appendix 2.

Water Bodies and Areas of Natural Significance

No creeks, rivers, streams, lakes or any other water body was identified in the Phase I Study Area. The Rideau River, the closest significant water body, is present approximately 375m east of the Phase I Property.

No areas of natural significance are known to exist within the Phase I Study Area.



5.0 INTERVIEWS

Property Owner Representatives

Mr. Mike Marcella was present during the site visit on September 30, 2019.

Mr. Marcella indicated that the on-site cultural building had been built circa 1990 and that Place Dorée Real Estate Holdings Inc. had acquired the property in 2018. Mr. Marcella told Paterson that the intention for the property was for high rise residential buildings and that the current cultural building present on site is to be demolished. Paterson was told by Mr. Marcella that the cultural building is vacant but had been broken into the week of September 23rd, resulting in a fire commencing on the second floor. Mr. Marcella indicated that the fire and smoke damage is obvious throughout the building and that the interior of the building has been in poor shape since the property had been purchased. Mr. Marcela told Paterson that he was unaware of any above or underground fuel storage tanks (AST) located on the subject property but that he had noticed a sump pit on the first floor. Mr. Marcella told Paterson that there were HVAC units present on the roof of the building and that it was heated through natural gas and forced air.

6.0 SITE RECONNAISSANCE

6.1 General Requirements

A representative from the Environmental Department of Paterson Group conducted a site visit on September 30, 2019. Weather conditions were partly cloudy with a temperature of approximately 12° C. At the time of the site visit, the neighbouring properties within the Phase I study area were also observed, from publicly accessible areas.

6.2 Specific Observations at Phase I Property

Buildings and Structures

The subject site is occupied by a two (2) storey cultural center on the south-western portion of the site.

The cultural center is clad with brick and tin siding, tar and gravel style roof and a stone foundation. The building is heated through natural gas and forced air with the HVA units present on the roof.



Underground Utilities

All utility services on the subject site were located and disconnected prior to the subsurface investigation, which include a natural gas line on the south-western portion of the property and municipal sewer lines.

Site Features

The subject site is at a similar grade as the adjacent properties. The site slopes slightly to the south towards the Rideau River. The subject building occupies one third of the subject, with two asphaltic concrete parking areas on the eastern and western portions of the property. Dense vegetation can be seen on the north-western portion of the site while the north-eastern portion is covered by grass and thin vegetation.

Water drainage occurs by sheet drainage to catch basins located on adjacent roadways. There was no ponded water observed on the ground surface at the time of the inspection. No surficial staining or contamination was observed during the exterior assessment of the subject land.

Fill Material

Fill material was identified on site in previous investigations.

Interior Assessment

Access to the interior of the building was very limited due to an unsafe environment resulting from fire damage and vandalism. Mr. Mike Marcella was able to provide Paterson with a brief overview of the building's interior.

A general description of the interior of the building (2 Robinson Avenue) is as follows:

The floors throughout the building consist of vinyl floor tile and concrete.
Wall materials consisted of drywall and concrete.
The ceilings consisted of drywall.
Lighting throughout the building appeared to be a mix of incandescent and fluorescent fixtures.



Potentially Hazardous Building Products

☐ Asbestos-Containing Materials (ACMs)

Based on the age of the subject building (circa 1990), it is not likely that ACMs are present within the structure.

□ Lead-Based Paint

Based on the age of the building lead-based paints are unlikely to be present based on the age of the building.

□ Polychlorinated Biphenyls (PCBs)

One (1) potential source of PCBs is a transformer located adjacent to the south-eastern corner of the subject building.

☐ Urea Formaldehyde Foam Insulation (UFFI)

The presence of UFFI within the subject building is unlikely based on the age of the building.

Other Potential Environmental Concerns

☐ Fuels and Chemical Storage

There were some general cleaning chemicals and paints observed on the subject site at the time of our inspection, which were properly stored. As previously discussed, the tenants were moving out of the subject structures and all cleaning chemicals and paints will be removed from the subject site.

Two underground storage tanks (USTs) were identified on the subject property through an extended TSSA inquiry. The age of the USTs is approximately thirty (30) years and their capacity is 9100L. No signs of the USTs were observed at the time of the site visit, but Paterson was not provided with any documentation that indicates their removal. Based on the 1991 aerial photo it appears that the tanks are located in the north-western section of the parking lot approximately 22 m from the north-western corner of the subject building. Additional information from TSSA was requested and received but the exact location of the USTs was not verified.



□ Ozone Depleting Substances (ODSs)

Potential sources of ODSs observed on site include air conditioners, refrigeration units, and fire extinguishers. These appliances should be regularly serviced by a licensed contractor.

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:

Land use adjacent to the subject site was as follows:

	North – Residential	properties	followed by	Chapel	Crescent.
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- □ South Highway 417.
- East Robinson Avenue followed by vacant lot addressed 1 Robinson.
- ☐ West Vacant lot with a baseball diamond followed by Sandy Hill Arena.

No concerns were identified regarding the current use of the adjacent properties. Current land use adjacent to the subject site is illustrated on Drawing PE4528-2 – Surrounding Land Use Plan.

7.0 REVIEW AND EVALUATION OF INFORMATION

7.1 Land Use History

The following table indicates the current and past uses of the site as well as associated potentially contaminating activities dating back to the first developed use of the site.

Table 5 Land Use History – 2 Robinson Avenue						
Year	Name of Owner	Property Use	Description of Property Use	Other Observations from Aerial Photos, FIPs, etc.		
Prior to 1990	N/A	Coal storage/Railw ay Lines	N/A	No other information available form this time.		
Prior to 2005	Mobin Foundation	Iranian Cultural Center	Cultural Center	Developed with a two-storey building and parking areas		
2005 - 2011	Fatima Cultural Activites Inc.	Cultural Center	Cultural Center	Developed with a two-storey building and parking areas		



Potentially Contaminating Activities

The following seven (7) PCAs were identified on the Phase I Property: ☐ Item 28, Table 2, O.Reg. 153/04 as amended by O.Reg. 269/11: "Gasoline and associated products in a fixed tank" - this PCA was identified based on the two inactive USTs located on the subject property. ☐ Item 46, Table 2, O.Reg. 153/04 as amended by O.Reg. 269/11: "Rail Yards Tracks and Spurs" – this PCA was identified based on the presence of railway tracks and spur lines running east to west through the center of the site. ☐ Former Light Industrial Facility overlapping western boundary of the subject site. ☐ Item 46, Table 2, O.Reg. 153/04 as amended by O.Reg. 269/11: "Rail Yards Tracks and Spurs" – this PCA was identified based on the former coal storage yards present on the subject site in association with the railway. Previously existing roadway running east to west intersecting central portion of the subject site. ☐ Item 30, Table 2, O.Reg. 153/04 as amended by O.Reg. 269/11: "Importation of Fill Material of Unknown Quality" - this PCA was identified due to fill of unknown quality having been used below the parking areas (east and west portions of the site). ☐ Item 55, Table 2, O.Reg. 153/04 as amended by O.Reg. 269/11: "Transformer Manufacturing, Processing and Use" – this PCA was identified based on the presence of a transformer adjacent to the southeastern corner of the subject building.



The following seven (7) off-site PCAs were identified within the Phase I Study Area: ☐ Item 37, Table 2, O.Reg. 153/04 as amended by O.Reg. 269/11: "Operation of Dry-Cleaning Equipment (where chemicals are used)" - this PCA was identified based on one historical and current dry cleaner located at 99 Mann Avenue. ☐ Item 33, Table 2, O.Req. 153/04 as amended by O.Req. 269/11: "Metal Treatment" - this PCA was identified based on the former presence of a reinforcing steel, waterproofing and paving light industrial building located on Hurdman North. ☐ Item 41, Table 2, O.Reg. 153/04 as amended by O.Reg. 269/11: "Petroleum Derived Gas Refining, Manufacturing, Processing and Bulk Storage" - This PCA was identified based on one historical petroleum wholesale retailer located at 35 Mann Avenue. ☐ Item 10, Table 2, O.Reg. 153/04 as amended by O.Reg. 269/11: "Commercial autobody shop" - this PCA was identified based on one historical service garage previously located at 35 Mann Avenue. ☐ Item 46, Table 2, O.Reg. 153/04 as amended by O.Reg. 269/11: "Rail Yards Tracks and Spurs" - this PCA was identified based on the presence of a railway round house southwest of the subject site. ☐ Item 41, Table 2, O.Reg. 153/04 as amended by O.Reg. 269/11: "Petroleum Derived Gas Refining, Manufacturing, Processing and Bulk Storage" - This PCA was identified based on one historical gas plant located at 191 Lees Avenue. ☐ Item 28, Table 2, O.Reg. 153/04 as amended by O.Reg. 269/11: "Gasoline and associated products in a fixed tank" - this PCA was identified based on the former presence of Cities Services Oil Co. addressed 20A Mann Avenue. The above listed historical on-site PCAs are considered to represent Areas of Potential Environmental Concern (APECs) on the Phase I Property as further

discussed in the following section. These PCAs are depicted in red on Drawing

PE4528-2 – Surrounding Land use Plan.



Based on their separation distances, and cross gradient orientations with respect to the Phase I Property and/or information contained in previous engineering reports conducted by Paterson, most of the off-site PCAs noted above are not considered to represent APECs. These PCAs are depicted in green on Drawing PE4528-2 – Surrounding Land use Plan.

Areas of Potential Environmental Concern (APECs)

The location of the PCAs and resulting APECs as well as the associated contaminants of potential concern (CPCs) and potentially impacted media are presented in the Table 5.

Table 6 Area of Potential Environmental Concern						
Area of Potential Environmental Concern	Location of Area of Potential Environmental Concern with respect to Phase I Property	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	Northwestern portion of Phase I - Property	37 – Gasoline and associated products in a fixed tank	On-site	BTEX/PHCs (F ₁ -F ₄)	Soil, Groundwater	
APEC 2	Central portion of Phase I - Property	46 – Rail Yards, Tracks and Spurs	On-site	PAHs Metals	Soil and Groundwater	
APEC 3	Northwestern portion of Phase I - Property	Former Light Industrial Facility	On-site	Metals	Soil Groundwater	
APEC 4	Entire Phase I - Property	46 – Rail Yards, Tracks and Spurs (Former Coal Storage Yard)	On-site	Metals PAHs	Soil Groundwater	
APEC 5	Southern/western portion of Phase I Property	Previously existing Roadway	On-site	BTEX/PHCs (F ₁ -F ₄) PAHs Metals	Soil, Groundwater	
APEC 6	Entire Phase I Property	30 - Fill Material of Unknown Quality	On-site	Metals PAHs	Soil, Groundwater	
APEC 7	Southeast Corner of Subject Building	Currently Existing Transformer	On-site	BTEX/PHCs (F ₁ -F ₄) PCBs	Soil	



Contaminants of Potential Concern

Based on the past and current uses of the subject site, the following Contaminants of Potential Concern (CPCs) have been identified in the soil and/or groundwater:

Benzene, ethylbenzene, toluene, and xylenes (BTEX).
Petroleum hydrocarbons fractions (PHCs, F1-F4);
Volatile organic compounds (VOCs) in the groundwater; and
Metals, including hydride forming compounds, mercury (Hg), hexavalent chromium (CrVI).
Polycyclic Aromatic Hydrocarbons
PCBs

7.2 Conceptual Site Model

Geological and Hydrogeological Setting

The Geological Survey of Canada website on the Urban Geology of the National Capital Area was consulted as part of this assessment. Based on the information from NRCAN, bedrock in the area of the site consists of interbedded limestone and shale of the Carlsbad Formation. Based on the maps, the surficial geology consists of Till and Palaeozoic bedrock with a thickness of overburden ranging from 10 to 15m. The subsurface profile across the entirety of the site consisted primarily of silty sand fill with some coal fragments. Bedrock was encountered at depths ranging from 10.2 to 11.5 m below the existing grade.

Based on the 2019 Phase II-ESA report conducted for the subject site and other reports prepared by Paterson for neighbouring properties, the groundwater in the immediate vicinity of the Phase I Property flows in a south to south-easterly direction, towards the Ottawa River.

Existing Buildings and Structures

The subject site is occupied by a two (2) storey building formerly used as a cultural center on the south-western portion of the site.



Water Bodies

There are no water bodies on the Phase I Property or within the Phase I Study Area. The closest water body is the Rideau River located approximately 375 m to the east.

Areas of Natural Significance

No areas of natural significance were identified on the Phase I Property or within the Phase I Study Area.

Drinking Water Wells

According to the MECP well mapping database, there are no drinking water well records for the Phase I property or within the Phase I study area.

Monitoring Wells

According to the MECP well mapping database, there are no records of monitoring wells for the Phase I Property, other than those drilled by Paterson as part of the 2019 Phase II-ESA.

A total of (36) monitoring wells were identified on neighbouring properties located within the Phase I Study Area: eighteen (18) on 1 Robinson Avenue; seven (7) on 60 Mann Avenue; four (4) on 191 Lees Avenue; one (1) on Greenfield at Highway No. 417; one (1) at 99 Mann Avenue; one (1) 30/33 Mann Avenue; one (1) on 86 Templeton; one (1) on 6 Mann Avenue and two (2) on 3 Hurdman Road.

Neighbouring Land Use

Neighbouring land use in the Phase I Study Area primarily consists of residential and commercial with some institutional properties.

Potential Contaminating Activities and Areas of Potential Environmental Concern

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

Contaminants of Potential Concern

As noted in Table 5, CPCs associated with the APECs identified in this Phase I ESA include BTEX, PHCs (F₁-F₄), PAHs, Metals and PCBs in the soil and/or groundwater beneath the Phase I Property.



Assessment of Uncertainty and/or Absence of Information

The information available for review as part of the preparation of this Phase I ESA is considered to be sufficient to conclude that there are areas of potential environmental concern on the subject site.

The presence of potentially contaminating activities was confirmed by a variety of independent sources, 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

Assessment

Paterson Group was retained by Place Doreé Real Estate Holdings Inc. to conduct a Phase I Environmental Site Assessment (ESA) for the property addressed 2 Robinson Avenue, in the City of Ottawa. The purpose of this Phase I ESA was to research the past and current use of the Phase I Property and Phase I ESA Study Area and to identify any environmental concerns with the potential to have impacted the subject land.

Six (6) PCAs resulting in APECs were identified on the subject site through the historical investigation. The results of the historical research indicated that the Phase I Property was first developed circa 1950 as railway lines and a roadway. A light industrial facility was located immediately west of the subject site, with some associated buildings located within the western boundary. Two (2) underground storage tanks (USTs) were identified in the TSSA search. Hurdman Road had also previously intersected the central portion of the subject site resulting in a PCA. A previous Phase II-ESA report conducted for the subject site identified the presence of BTEX, PHC, Metals and PAH contaminated fill on site. The presence of the impacted fill material and the historical uses of the subject site as well as the identified USTs are considered PCAs which result in APECs.

Historical research indicated that seven (7) historical off-site PCAs exist within the Phase I study area which include a gas plant, oil services, dry cleaners, light industrial buildings, petroleum wholesale, an automotive service garage, and railway station and freight sheds. Based on previous environmental reports, the separation distances, and the cross- or down-gradient locations between the PCAs and the subject site, they are not considered to represent APECs.



Following the historical research, an inspection of the subject site and the surrounding properties was conducted. The subject site is currently occupied by a vacant two-storey cultural building. An electrical transformer was located to the southeast of the subject building. The presence of the electrical transformer is considered to be a potentially contaminating activity and represents an area of potential environmental concern for the subject site.

Based on the results of the Phase I ESA, in our opinion, a Phase II Environmental Site Assessment is required and has been completed for the subject site.

Recommendations

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

Based on the historical land use, the Phase I Property was considered commercial as defined by O.Reg. 153/04 and as such, a Record of Site Condition (RSC) is required as there will be change in land use of the Phase I Property to a more sensitive land use (residential).



9.0 STATEMENT OF LIMITATIONS

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

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

This report was prepared for the sole use of Place Dorée Real Estate Holdings Inc. Permission and notification from Place Dorée Real Estate Holdings Inc. and Paterson will be required to release this report to any other party.

Paterson Group Inc.

Samuel Berube, B.Eng.

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

M. S. D'ARCY BOUNDER OF ONTARIO

Report Distribution:

- Place Dorée Real Estate Holdings Inc. (5 copies and 1 PDF copy)
- Paterson Group (1 copy)



10.0 REFERENCES

Federal Records

Air photos at the Energy Mines and Resources Air Photo Library

National Archives

Maps and photographs (Geological Survey of Canada surficial and subsurface mapping)

Natural Resources Canada – The Atlas of Canada

Environment Canada, National Pollutant Release Inventory

PCB Waste Storage Site Inventory

Provincial Records

MECP Freedom of Information and Privacy Office

MECP Municipal Coal Gasification Plant Site Inventory, 1991

MECP document titled "Waste Disposal Site Inventory in Ontario"

MECP Brownfields Environmental Site Registry

Office of Technical Standards and Safety Authority, Fuels Safety Branch

MNR Areas of Natural Significance

MECP Water Well Inventory

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

The City of Ottawa Historical Land Use Inventory

Intera Technologies Limited Report "Mapping and Assessment of Former

Industrial Sites, City of Ottawa", 1988

The City of Ottawa eMap website

Local Information Sources

Chain of Title obtained through Read Abstracts Limited, August 2017

Survey Sketch, prepared by Annis, O'Sullivan, Vollebekk Ltd., April 2011

Geotechnical Investigation

Personal Interviews

Public Information Sources

Google Earth

Google Maps/Street View

FIGURES

FIGURE 1 – KEY PLAN

FIGURE 2 – TOPOGRAPHIC MAP

DRAWING PE4528-1 – SITE PLAN

DRAWING PE4528-2 - SURROUNDING LAND USE PLAN

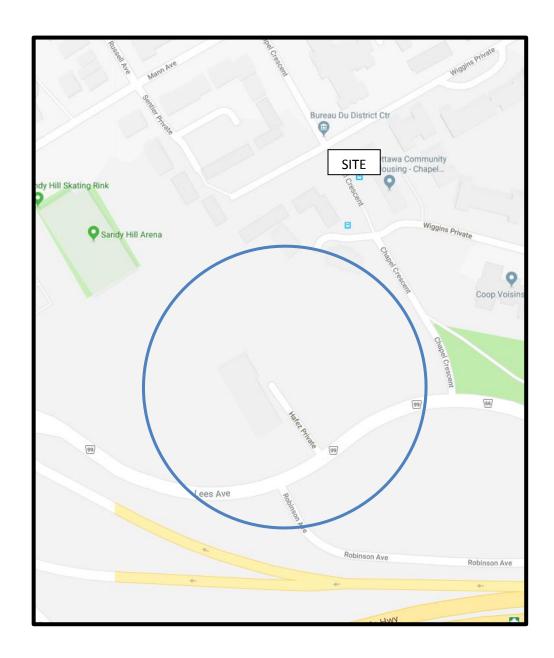


FIGURE 1 KEY PLAN

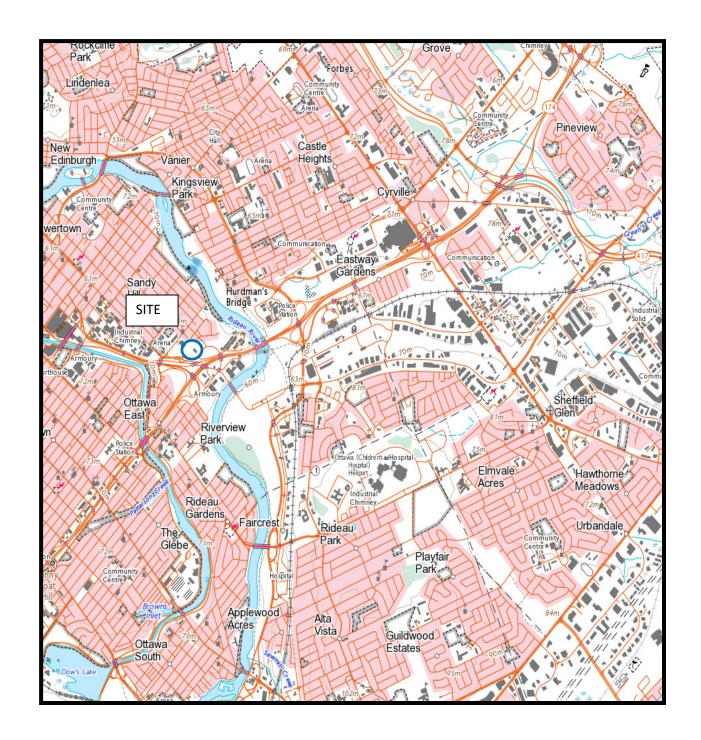
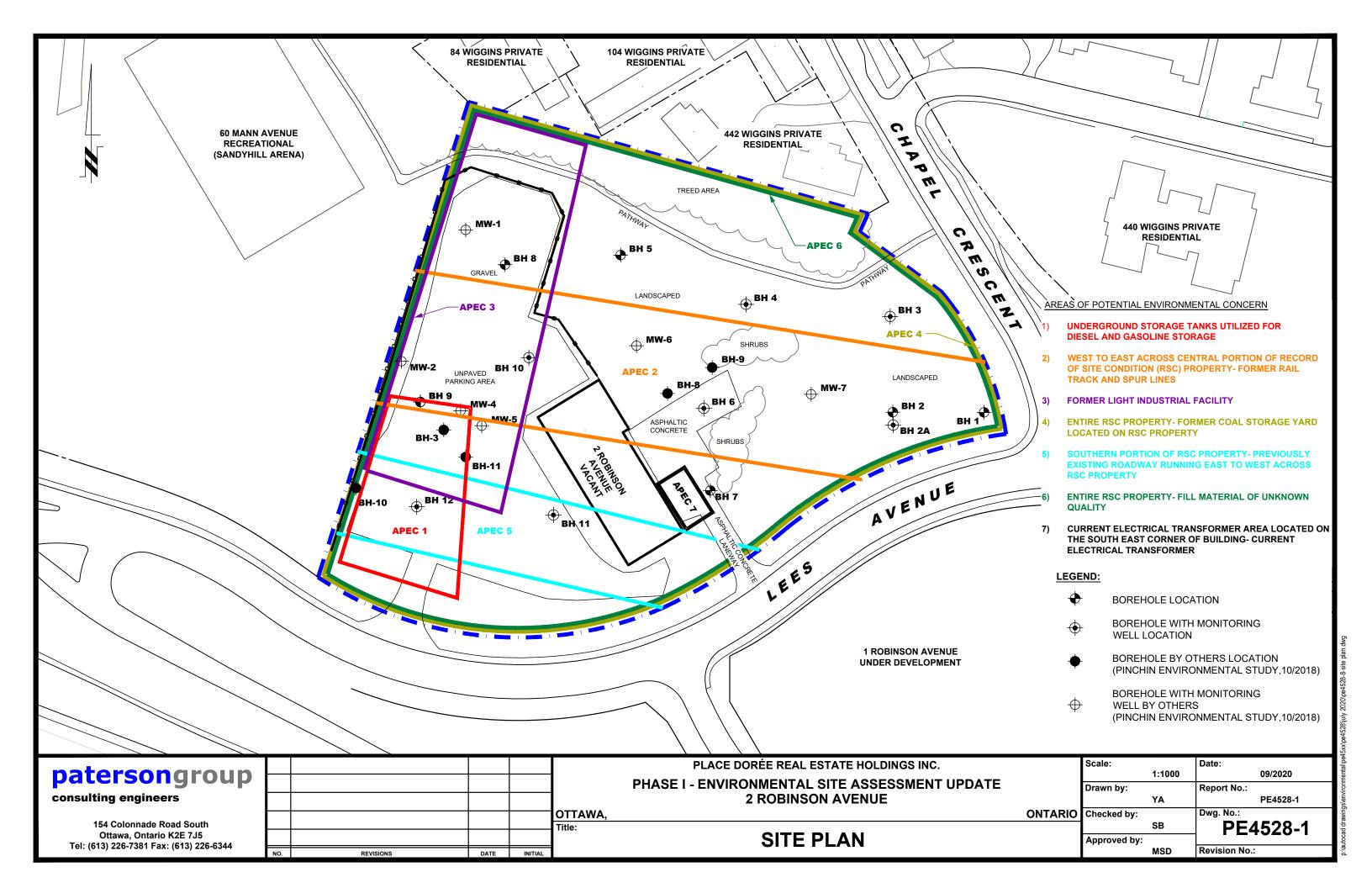
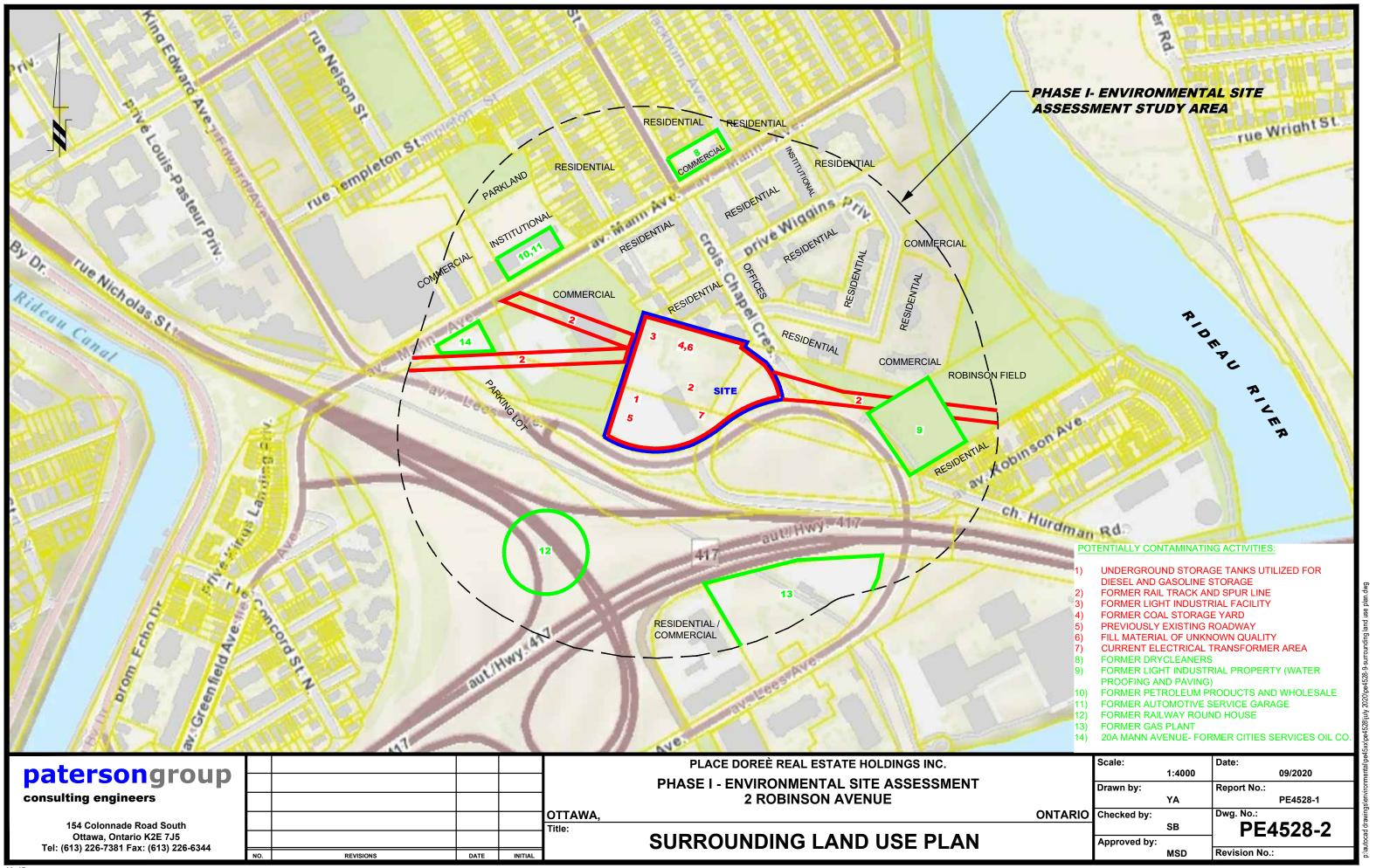


Figure 2
TOPOGRAPHIC MAP





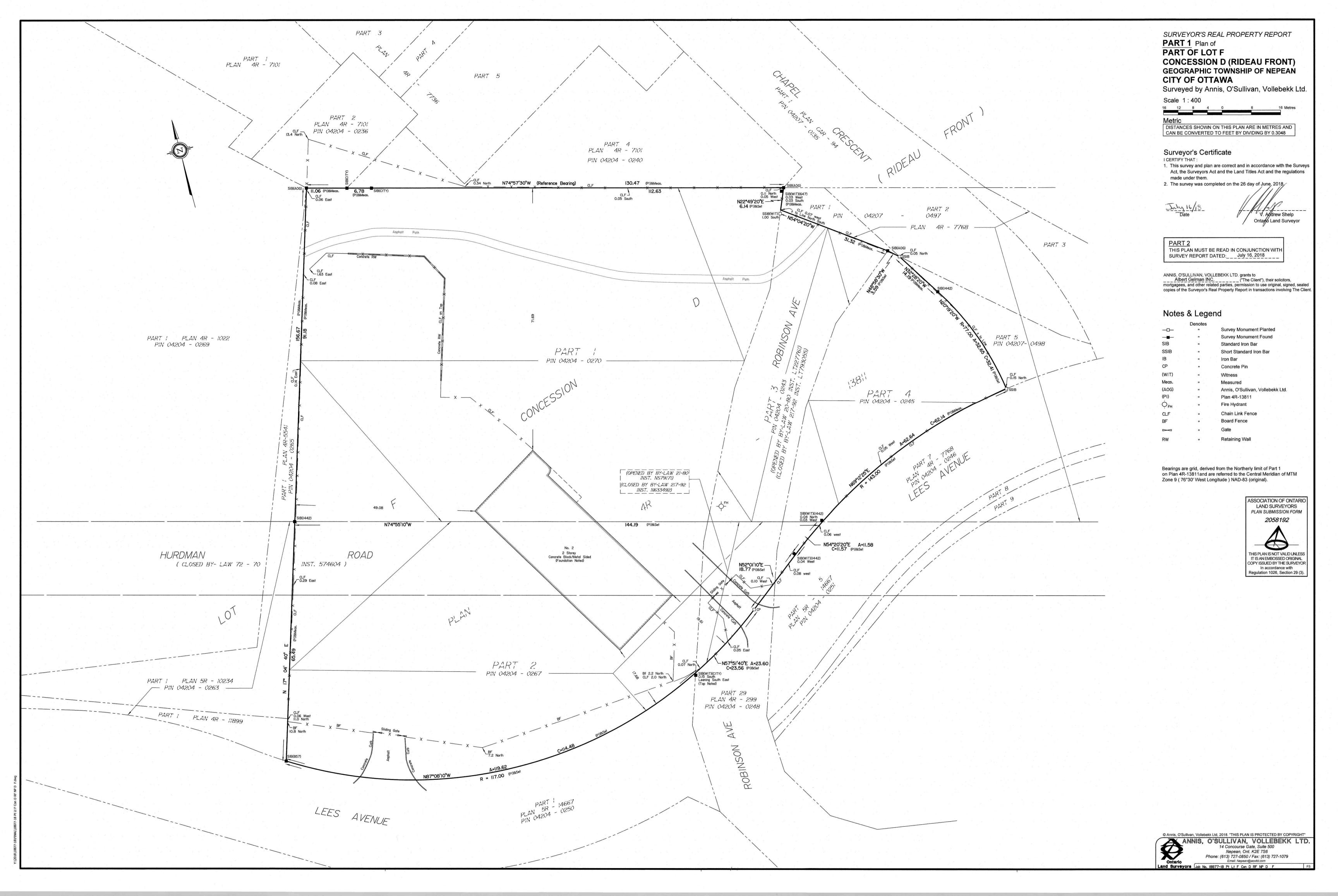
APPENDIX 1

PLAN OF SURVEY

CHAIN OF TITLE

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: Samuel

BRIEF DESCRIPTION OF LAND:

2 Robinson Ave. Ave., Ottawa Part of Lot F, Concession D RF. Nepean, being Parts 1, 2, 3, 4 on 4R13811

PIN: 04204-0243 04204-0245 04204-0267 04204-0270

LAST REGISTERED OWNER: 11182765 Canada Inc.

CHAIN OF TITLE:

Patent dated Jun 23, 1873 To Archibald Stewart

Deed OE172 registered 1890 From Archibald Stewart to OA & NY Railway Company

Deed OE319 registered Feb 24, 1898 From Archibald Stewart to Corporation of Ottawa East

Vesting Order OE983 registered Jun 1902 To John Thomas Connelly Thompson (re: Archibald Stewart) (see "Land Titles" section)

Deed CR91554 registered Jul 31, 1909 From Ottawa & Gloucester Road Co. Ltd. To Corporation of Ottawa

Deed CR148610 registered Nov 20, 1919 From Ottawa & New York Railway Company to Montreal & Ottawa Railway Company Patent CR466908 registered Oct 7, 1963

From the Crown to The National Capital Commission

Deed CR553943 registered Jun 21, 1969

From Canadian Pacific Railway Company to The National Capital Commission

Deed CR585789 registered Jan 5, 1971

From The Corporation of the City of Ottawa to The National Capital Commission

Patent CR593977 registered July 6, 1971

From the Crown to The National Capital Commission

Deed N639920 registered Nov 4, 1992

From The Corporation of the City of Ottawa to The National Capital Commission

Land Titles

Deed LT528 registered Apr 15, 1909

From John Thomas Connelly Thompson to Mackenzie, Mann and Company Limited

Deed LT3844 registered Nov 19, 1914

From Mackenzie, Mann and Company Limited to Canadian Northern System Terminals Limited

Deed LT5777 registered 1918

From Mackenzie, Mann and Company Limited to Canadian Northern System Terminals Limited

(Canadian Northern System Terminals Limited changed it's name to Canadian Northern Realties Limited)

Deed LT7575 registered Nov 2, 1920

From Canadian Northern Realties Limited to The Crown

Deed LT35299 registered Dec 12 1955

From The Crown to to Hyman Fine

Deed LT35300 registered Dec 12 1955

From Canadian Northern Realties Limited to Hyman Fine

Deed LT48411 registered Aug 8, 1958

From Hyman Fine to H. Fine and Sons Limited

Deed LT62864 registered May 10, 1965

From H. Fine and Sons Limited to National Capital Commission

Deed LT204004 registered Mar 19, 1979

From National Capital Commission to The Corporation of the City of Ottawa

Deed LT802253 registered Nov 4, 1992

From The Corporation of the City of Ottawa to National Capital Commission

All PINs

Deed LT1152844 registered Sep 28, 1998

From National Capital Commission to Fatima Cultural Activities Inc.

Deed LT1403995 registered Jul 12, 2001

From Fatima Cultural Activities Inc. to Mobin Foundation

Deed OC2086917 registered Mar 26, 2019

From Albert Gelman Inc. (court appointed receiver) to 11182765 Canada Inc.



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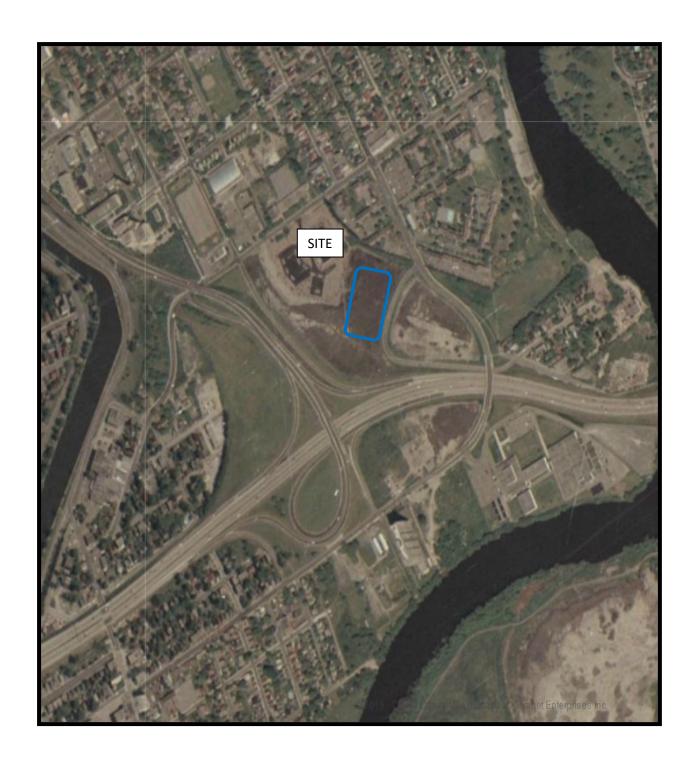


AERIAL PHOTOGRAPH 1958

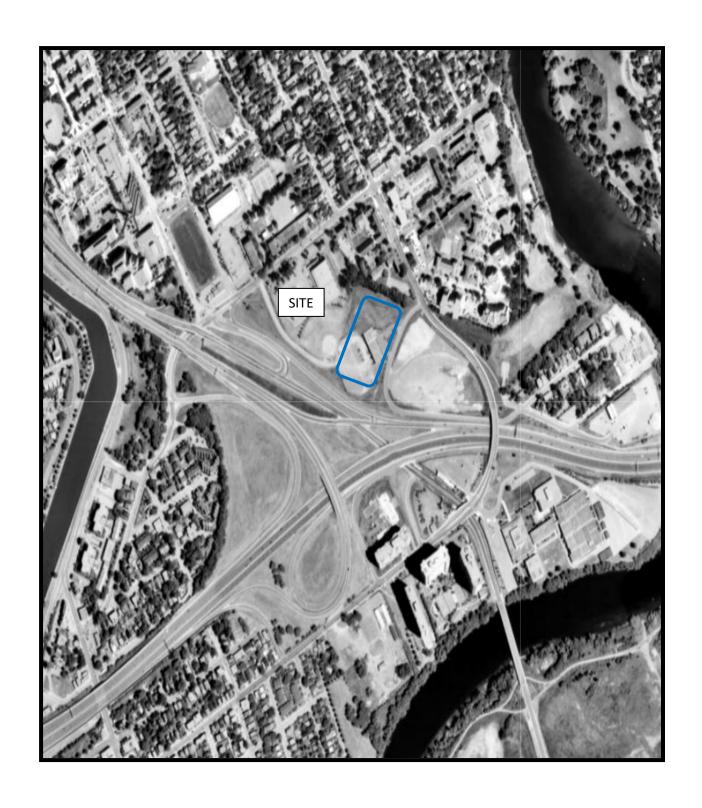
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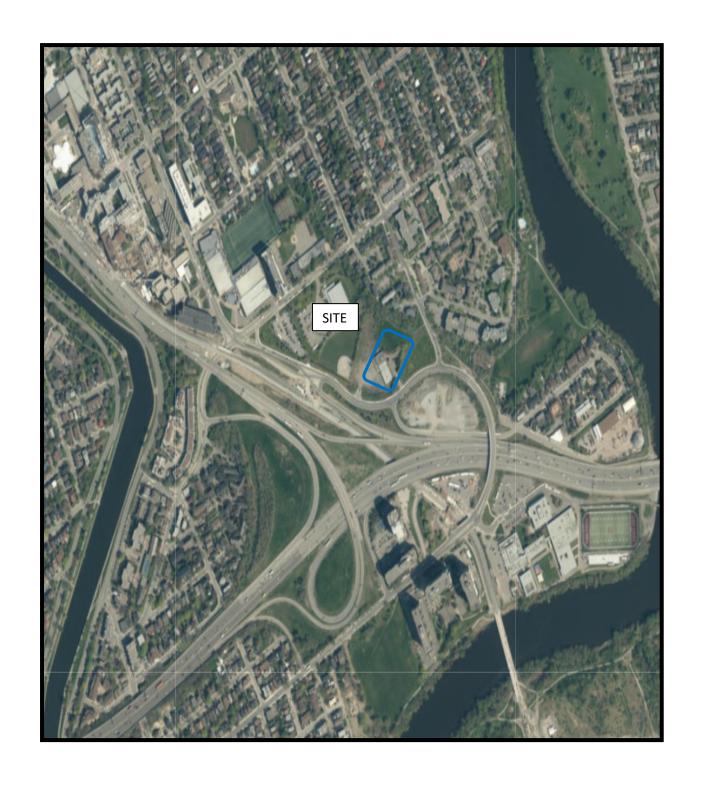
patersongroup —



patersongroup ———



AERIAL PHOTOGRAPH 2002



patersongroup —



Photograph 1: Front view of the subject property, looking north.



Photograph 2: Rear view of subject property, looking west.

APPENDIX 2

MECP FREEDOM OF INFORMATION SEARCH TSSA CORRESPONDENCE CITY OF OTTAWA HISTORICAL LAND USE INVENTORY SEARCH MECP WELL RECORDS



Freedom of Information Request

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

	,				
Requester Data			For Ministry Use Only		
Name, Company Name, Mailing Address and Email Address of Requester			FOI Request No.	Date Request Received	
Samuel Berube			. C. Maqueettie.		
Paterson Group Inc. 154 Colonnade Road					
Ottawa, ON K2E 7J5			Fee Paid		
Email address: sberube@pa	tersongroup.ca		☐ ACCT ☐ CHQ	□ VISA/MC □ CASH	
Telephone/Fax Nos.	T	Signature/Print /Name of Requester			
Tel. 613-226-7381	Your Project/Reference No.	Samuel Berube	□ CNR □ ER □ I	NOR □ SWR □ WCR	
Fax 613-226-6344	PE4528	Samuel Delube	□ SAC □ IEB □	EAA □EMR □ SWA	
		Request Parameters	3		
		Nequest Farameters	•		
Municipal Address / Lot, Concession, Geo	ographic Township (Municipal	address essential for cities, towns or region	ons)		
2 Robinson Avenue, Ottawa, O	ntario				
Present Property Owner(s) and Date(s) of Ow	nership				
Place Doreé Property Mana	gement				
Previous Property Owner(s) and Date(s) of O	wnership				
N/A					
Present/Previous Tenant(s),(if applicable)					
N/A					
Search Parameters Files older than 2 years may require \$60.00 retrieval cost. There is no guarantee that records responsive to your request will be located. Specify Year(s) Requested				Specify Year(s) Requested	
Environmental concerns (General correspondence, occurrence reports, abatement)				all	
Orders				all	
Spills			all		
·		nt information must be provided	all		
Waste Generator number/cl	asses			all	
	Certificate	s of Approval > Proponent infor	mation must be provided		
1085 and prior records are see			•	pes and years to be searched. Specify	
•	,	orting documents are also required	, , ,	, ,	
			SD	Specify Year(s) Requested	
			-	4000	
air - emissions				1986-present	
water - mains, treatment, ground	level, standpipes & elevate	ed storage, pumping stations (local & booste	er)	1986-present	
Sewage - sanitary, storm, treatment, stormwater, leachate & leachate treatment & sewage pump stations			ns	1986-present	
waste water - industrial discharges			1986-present		
waste sites - disposal, landfill sites, transfer stations, processing sites, incineratorsites			1986-present		
waste systems - PCB destruction, mobile waste processing units, haulers: sewage, non-hazardous & hazardous waste 1986-present				1986-present	
pesticides - licenses				1986-present	

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

0026 (05/02) Page 1 of 1

Samuel Berube

From: Public Information Services <publicinformationservices@tssa.org>

Sent: August 6, 2019 11:11 AM

To: Samuel Berube

Subject: RE: Search Records Request (PE4528)

Records Found

Hello.

Thank you for your request for confirmation of public information.

We confirm that there are fuel storage tanks records in our database at the subject address(es).

Inst Number	Segment1	Address	City	Status
9380220	FS PRIVATE FUEL OUTLET - SELF SERVE	2 ROBINSON AVE	OTTAWA	Active
10906556	FS LIQUID FUEL TANK	2 ROBINSON AVE	OTTAWA	Inactive
10906534	FS LIQUID FUEL TANK	2 ROBINSON AVE	OTTAWA	Inactive

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.

The *Technical Standards and Safety Act* and associated regulations do not require the registration of private fuel outlets. Nor does it require that any documentation on these facilities be submitted to or reviewed or approved by TSSA. As a result, TSSA has limited information on these facilities. TSSA cautions that any information provided may be inaccurate, incomplete or out of date.

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,



Connie Hill | Public Information Agent

Facilities 345 Carlingview Drive Toronto, Ontario M9W 6N9

Tel: +1-416-734-3383 | Fax: +1-416-231-6183 | E-Mail: <u>publicinformationservices@tssa.org</u>

www.tssa.org







From: Samuel Berube <SBerube@Patersongroup.ca>

Sent: August 2, 2019 1:54 PM

To: Public Information Services <publicinformationservices@tssa.org>

Subject: Search Records Request (PE4528)

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:

Mann Avenue: 4, 30, 55, 60, 70, 99

Robinson Avenue: 1 and 2 Lees Avenue: 169, 191

Thank you,

Samuel Berube

patersongroup

solution oriented engineering over 60 years servicing our clients

154 Colonnade Road South Ottawa, Ontario, K2E 7J5

Tel: <u>(613) 226-7381</u> Cell: 613-286-1326

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



345 Carlingview Drive Toronto, Ontario M9W 6N9 Tel.: 416.734.3300 Fax: 416.231.1626 Toll Free: 1.877.682.8772

www.tssa.org

30 October 2019

Samuel Berube PATERSON GROUP 154 Colonnade Road South OTTAWA ON K2E 7J5

Subject: 2 Robinson Avenue, Ottawa, Ontario

Your File No.: PE4528 SR No.: 2709170

Dear Madam/Sir:

We are in receipt of your correspondence wherein you requested information regarding the above noted subject.

A search of our records produced the attached Fuels Safety documents.

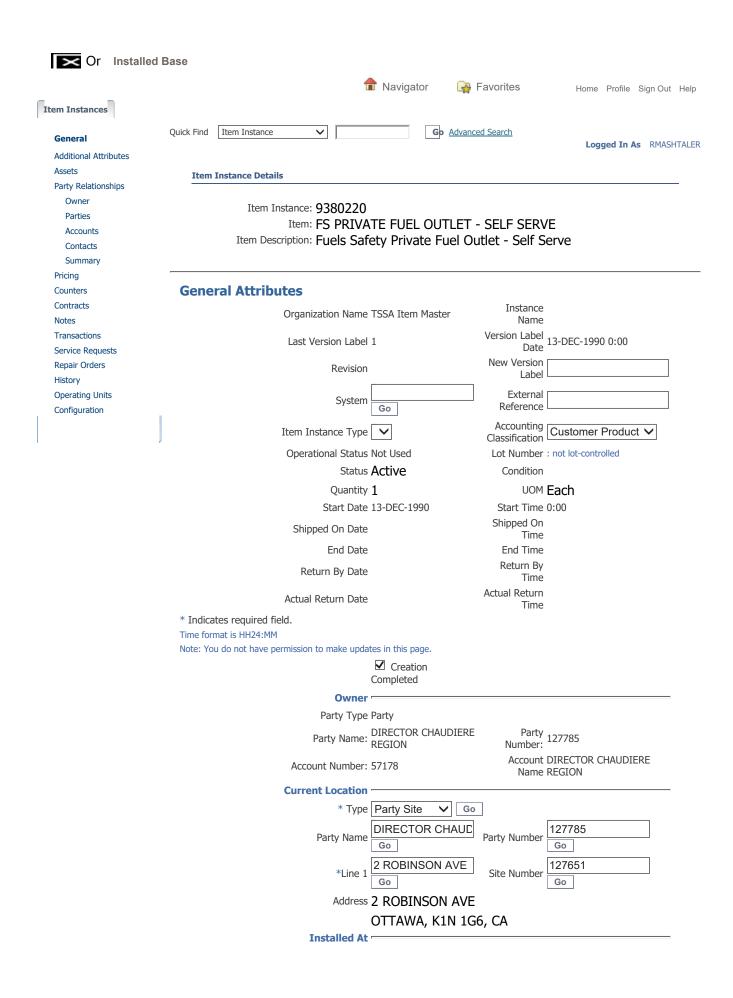
The *Technical Standards and Safety Act* and associated regulations do not require the registration of private fuel outlets. Nor does it require that any documentation on these facilities be submitted to or reviewed or approved by TSSA. As a result, TSSA has limited information on these facilities. TSSA cautions that any information provided may be inaccurate, incomplete or out of date.

TSSA does not make any representations or warranties with respect to the accuracy or completeness of any records released. The requestor assumes all risk in using or relying on the information provided.

Trusting the attached satisfies your request; however, should you have any questions, please contact Public Information at publicinformationservices@tssa.org.

Yours truly,

Roxana Suarez-Mashtaler Public Information Services



Installed Date	13-DEC-1990	Installed Time	0:00
Time format is HH24:MM			
	Change in installed date do	_	ntract date.
Туре	∨ Go		
Order	P.		
Sales Order Number		Sales Order Date	
Sales Order Line			
Purchase Order Number		Agreement Name	
Item Flags	F		
	✓ BOM Enabled		
	✓ IB Trackable		✓ Inventory Trackable
	✓ Sellable		Shippable
Item Views			
	☐ Merchant		✓ Customer
Descriptive Flexfields	r		
Context Value	FS Facility		4
	Select Context Value and c	lick 'Go' to show re	elevant fields.
Facility Type 2			•
Forth T is 2			
Facility Type 3			
Total Capacity - Liquid Fuel Tanks (L)	0		
Total Capacity - Propane Tank s (USWG)			
* Previous Facility Type			<u> </u>
Previous Instance Number			9
Item Instances Home	Profile Sign Out Help		

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Item Instance Details Page 1 of 1



 Navigator Favorites

Home Logout Preferences Help

Other Item **Instance Details**

<u>Transaction</u>

<u>Item Instance</u> <u>History</u>

Operating Units

Service Requests Orders and

<u>Contracts</u>

Directives

Relationship

Graphically

OMS Orders

View

<u>Orders</u>

History

Item Instance | Counters | Mass Update **Item Instances** | Systems | Transactions

Item Instance: Item Instances > View: Item Instance: 10906556

> Item FS LIQUID FUEL System

TANK Owner **DIRECTOR CHAUDIERE** Item Description FS Liquid Fuel Tank **REGION**

Account Number 57178

General Location Associations Configuration Counters Notes

External Reference New Version Label Organization TSSA Item Master Last Version Label 1

Revision Creation Date 13-Dec-1990 00:00:00

Instance Name Status **Inactive**

Quantity 1 Install Date 13-Dec-1990 00:00:00

Each **Expiration Date** Item Instance Type Shipped On Date Item Condition Return By Date Accounting Classification Customer Product Actual Return Date

Operational Status Code Not Used

UOM

■ Show Additional Attributes

∃ Hide Instance Flex Fields

Fuel Type1 Diesel

Diesel

Fuel Type2 Fuel Type3

Capacity (L) 9100

Tank Material Fiberglass (FRP)

Fiberglass (FRP)

Single Wall UST Tank Type

Single Wall UST

FS Corrosion Protection Coating

Overfill Protection Type

Installation Year 1990 **ULC Standard**

Manufacturer Model

Serial Number

Description UNDERGROUND

TANK

Return to Instance Search

Item Instance Counters Mass Update Home Logout Preferences Help

Privacy Statement Copyright (c) 2006, Oracle. All rights reserved. Item Instance Details Page 1 of 2





Other Item **Instance Details**

Transaction

Item Instance **History Operating Units**

Service Requests

View Relationship

History

Contracts

Orders and

Graphically

OMS Orders

Directives

<u>Orders</u>

Item Instance Counters Mass Update Item Instances | Systems | Transactions

Item Instance: Item Instances > View: Item Instance: 10906534

> Item FS LIQUID FUEL System

TANK Owner **DIRECTOR CHAUDIERE** Item Description FS Liquid Fuel Tank **REGION**

Account Number 57178

General Location Associations Configuration Counters Notes

External Reference New Version Label Organization TSSA Item Master Last Version Label

> Revision Creation Date 13-Dec-1990 00:00:00

Instance Name Status Inactive Quantity 1

Install Date 13-Dec-1990 00:00:00 UOM **Expiration Date**

Item Instance Type Shipped On Date Item Condition Return By Date

Accounting Classification Customer Product Actual Return Date

Operational Status Code Not Used

■ Hide Instance Flex Fields ■ Show Additional Attributes

Fuel Type1 Gasoline Gasoline

Fuel Type2 Fuel Type3 Capacity (L) 9100

Tank Material Fiberglass (FRP)

Fiberglass (FRP)

Tank Type Single Wall UST

Single Wall UST

FS Corrosion Protection Coating Coating

Overfill Protection Type Installation Year

1990

ULC Standard Manufacturer Model

Serial Number Description UNDERGROUND

TANK

Return to Instance Search

Item Instance Counters Mass Update Home Logout Preferences Help

Privacy Statement Copyright (c) 2006, Oracle. All rights reserved. Item Instance Details Page 2 of 2



Ministry of Consumer and Commercial Relations

Ministère de la Consommation et du Commerce

Technical Standards Division

Division des normes techniques

Inspection and Enforcement Branch Direction de l'inspection et de l'application des mesures législatives

Inspector's Report / Report #/Nº de rapport : Rapport de l'inspecteur/inspectrice

Part A/Partie A

D- 04007

Location Inspected/L	_ieu inspecté		William I	Owner's Name / N	lom du/de la prop	oriétaire	
Address/Adresse	CAPITUL CO	DMM ISSION	1117	SAME			
Address/Adresse				Address/Adresse			
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City/town/Ville	A			City/town/Ville			
Postal Code/Code p	ostal		Nº de tél.	Postal Code/Code			Tel.No. /Nº de tél.
Operator's Name/No	A MAILIN		59.565	Fuel Supplier/Fou	CIPIC -		Oir AVIII -
	STALLORD	•		ruei Supplier/rou	rnisseur de comi	DUSTIDIO	City/Ville
Licence #/Nº de peri	mis			STINS	,0N	07	- Tawa
Contractor/Entrepre				Registration #/N°	d'inscription		
	_				2n		
OPERATION/ACTIVITÉ	SUB TYPE/ SOUS-TYPE	LOC TYPE/ TYPE DE LIEU	POP DENS/ DENS. DE POP.	FUEL/ COMBUSTIBLE	CLASS/ CATEGORIE	REASON/ RAISON 26	TRIGGER/ MOTIVÉ PAR :
ACTION/	ACT/LOI	REG/RÈGLEMENT	DURATION				
MESURES PRISES	444	521/43	DURÉE 1.75	BILLABLE/ A FACTURER Z = Z S	TRAVEL/ DÉPLACEMENT	FACTURER (O/N)	
DAMAGE/ DOMMAGES	OCC RATE/ GRAV. DE L'ACC.	CAUSE/CAUSE	CON FACT/ FACT. CONTR.	OCC DATE/ DATE DE L'ACC.	OCC TIME/ HEURE DE L'ACC.	MANDATED Y/N MANDAT (O/N)	
FIELD 1/ DOMAINE 1	CALL/ INTERVENTION	CONSULT Y/N CONSULT (O/N)	SITE REM Y/N REMEDIER (O/N)				F/U REQ'D? Y/N SUIVI REQUIS? (O/N)
Comments/Remarqu	Jes					-	
Equipment/Applian	ce/Component / M	Matériel/Appareil	/Composant	Equipment/Applia	ance/Compone	nt / Matériel/App	areil/Composant
Type/Type		Code/Code		Type/Type		Code/Code	,
Description/Descripti	on			Description/Descri	ption		
Manufacturer/Fabrica	ant			Manufacturer/Fabricant			
Model/Modèle	Sei	rial #/Nº de série		Model/Modèle Serial #/N° de série			
Material/Matériel				Material/Matériel			
Corrosion Protection	Protection contre la	corrosion		Corrosion Protection/Protection contre la corrosion			51
Fuel Input Rating/Débit de combustible				Fuel Input Rating/Débit de combustible			
Capacity/Capacité				Capacity/Capacité MAR 3 0 1995			
Installation Date/Date d'installation				Installation Date/Date d'installationcal Standards Division			
Manufacture Date/Date de fabrication				Manufacture Date/Date de fabrication			
Supply Pressure/ Pression d'alimentation	on Pressi	old Pressure/ on d'admission		Supply Pressure/ Pression d'aliment		Manifold Pressure/ Pression d'admissi	on
Client's Signature / Sig	nature du client/de la	cliente Inspector's	Name / Nom de l'in	specteur/inspectrice	Badge #/Nº d'in	signe 154	
		Fe	ic Lun	N	Date of Inspecti	on/	Y/A M/M D/J 5 03 23



Technical Standards Division

Division des normes et de l'application techniques Direction de l'inspection des mesures législatives

Inspection and Enforcement

Inspector's Instructions/Orders Directives et ordres de l'inspecteur/inspectrice Part B/Partie B

Report	#/Nº de	rapport

104007

00034941

Date: 1995 03 Z-3

Location Address (No RR's) Adresse du lieu inspecté (pas de RR) Cos NSON OTTAMA							
Issued To/Délivré à Position/Fonction							
	SIMON ST	AFFORD"	Y				
Mailing Addres	ss/Adresse postale						
202-	40 ELGI	NIST., OT	TAWA, KI	PICT			
Ces ordres ou	is required pursuant to directives vous sont d	onnés en vertu :	Act de la Loi G LA	+	Regulation du Règlem	nent S	21/43
Licence # Nº de permis	Expiry 1048825-	/Expiration # Registration # Nº d' inscription	Expiry	/Expiration Certificat			Expiry/Expiration
CALL/INTERVENTION	ACTION/MESURES PRISES	DURATION/DURÉE	BILLABLE/Å FACTURER	TRAVEL/DÉPLACEMENT	* 7	BILL Y/N / FA	ACTURER (O/N)
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Nº de l'ordre	Article		z rectifier l'infraction ou les				Date limite d'exécution
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				MAR	3 0 1995		
				Technical S	Standards D	ivision	
Received By: (print) Reçu par : (en lettres moulées) Inspector: (print) Inspecteur(trice) : (en lettres moulées)							
Position:/Fonction: Manager Zone Signature: Signature: Signature: Position:/Fonction: Position:/Fonction: Signature: Si							
Signature : Inspector's Badge#: Nº d'insigne de l'inspecteur(trice) : 154							
	Co	,	IN- a msigne de l'	inspecteur(trice)		Page	of/de



File Number: D06-03-19-0142

October 18, 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

2 Robinson Avenue, Ottawa, Ontario ("Subject Property")

Internal Department Circulation

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

 Disposals and Environmental Remediation Unit: The City's Environmental Remediation Unit has environmental records on file pertaining to the subject properties noted below either directly on or adjacent to the subject properties. Please visit https://ottawa.ca/en/city-hall/accountability-and-transparency/accountability-framework/freedom-information-and-protection-privacy/access-information to submit requests for information under the Municipal Freedom of Information and Protection of Privacy Act.

Search of Historical Land Use Inventory

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

A search of the HLUI database revealed the following information:

There are 5 activities associated with the Subject Property.

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

Shaping our future together
Ensemble, formons notre avenir

City of Ottawa Planning, Infrastructure and Economic Development Department

110 Laurier Avenue West, 4th Floor Ottawa, ON K1P 1J1 Tel: (613) 580-2424 ext. 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 There are 27 activities associated with properties located within 250m of the Subject Property.

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 Property. You may wish to contact the Ontario Ministry of Environment and Climate Change for additional information.

If you have any further questions or comments, please contact Eric Steele at 613-580-2424 ext. 21690 or HLUI@ottawa.ca

Sincerely,

Eric Steele

Eni Steele

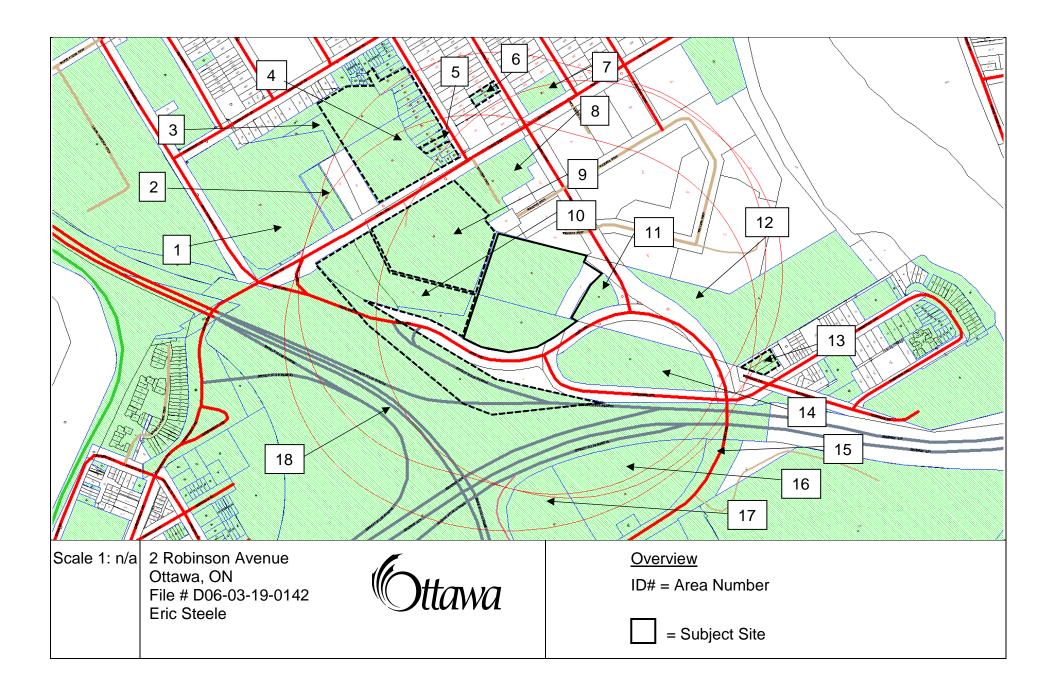
Per:

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

MB / ES

Enclosures.

cc: File no. D06-03-19-0142



Area	Associated HLUI Activities	HLUI Activities with a PIN Certainty of "2" *
Subject Property	2704, 6507, 6937, 8339, 9785	2704, 6507, 6937, 9785
1	14296, 14539, 4286, 5124, 6935, 6940, 8338	5124, 6935, 8338
2	4286	
3	14297	
4	3783	3783
5	3073, 3783	3783
6	9509	9509
7	10855	
8	2704, 6507, 8339	2704, 6507
9	2704, 6507, 6937, 8339	2704, 6507, 6937
10	2704, 9785	2704, 9785
11	2633	
12	8227	8227
13	11669, 7030, 8227	11669, 7030, 8227
14	10589	10589
15	14515	
16	10591, 11973, 3631	10591
17	10591, 740	10591, 740
18	14538, 740, 9785	740, 9875

^{*}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

Report:

RPTC_OT_DEV0122

Run On:

18 Oct 2019 at: 09:59:38

HLUI ID: __679G31

AREA (Square Metres): 11132.308

Study Year PIN Multi-NAIC Multiple Activities
1998 042040270 Y Wultiple Activities

Activity ID: 2704 Multiple PINS: Y

PIN Certainty: 2 Previous Activity ID(s): 1672

Related PINS: 042040242

Name: CITIES SERVICE OIL CO. LIMITED

Address: MANN AVENUE, OTTAWA

Facility Type: Railway Transport and Related Service Industries

Comments 1: Two (2) electric pump houses. FIP1948-located at 20 Mann ave.

Comments 2:

Generator Number:

Storage Tanks: Six (6) gasoline USTs, three (3) of which are noted as 15 000 Gallons each. Three (3) fuel oil tanks, an oil

warehouse, and garage-FIP1949, FIP1956

HL References 1: M.1900, M.1910, M.1920, M.1930, M.1940, M.1950, M.1960, M.1970, M.1980; FIP1901-key, Vol1;

FIP1912-158-1121, Vol2; FIP1922-158-1121, Vol2; FIP1948-234-1121; FIP1956-234-2-1121, Vol2

HL References 2:

HL References 3:

SIC
511
551
551
511
479
551
511
551
479
479
453
453
453
453
453
551

Company Name Year of Operation

Cities Service Oil Co. Ltd. c. 1930-1960

MAP Report Ver: 1 Page 1 of 4



Study Year

1998

CITY OF OTTAWA

HLUI ID: __679G31

AREA (Square Metres): 11132.308

Report: RPTC_OT_DEV0122

Run On: 18 Oct 2019 at: 09:59:38

PIN Multi-NAIC Multiple Activities Y

Activity ID: 6507 Multiple PINS: Y

PIN Certainty: 2 Previous Activity ID(s): 1783

Related PINS: 042040242

Name: JASON J. CHILCOTT

Address: MANN AVENUE, OTTAWA

Flour, Prepared Cereal Food and Feed 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
311230 105
311119 105
311822 105
311111 105

Company Name Year of Operation

Chilcott Jas J. c. 1940

MAP Report Ver: 1 Page 2 of 4



CITY OF OTTAWA

HLUI ID: __679G31

Report:

RPTC_OT_DEV0122

Run On: 18 Oct 2019 at: 09:59:38

AREA (Square Metres): 11132.308

Study Year PIN **Multi-NAIC Multiple Activities** 042040270 1998

Υ 6937 **Activity ID:** Multiple PINS:

2 1668 **PIN Certainty:** Previous Activity ID(s):

Related PINS: 042040265

Name: INDEPENDENT COAL AND LUMBER CO.

Address: MANN AVENUE, OTTAWA

Facility Type: Lumber and Building Materials, Wholesale

Comments 1: Coal Yard, Coal Piles and Bunker Railway also listed on Hurdman rd.

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: M.1900, M.1910, M.1920, M.1930, M.1940, M.1949, M.1950, M.1954, M.1957, M.1960, M.1970, M.1980;

FIP1901-key, Vol1; FIP1912-158-1121, Vol2; FIP1922-158-1121, Vol2; FIP1948-234-1121; FIP1956-234-2-1121, Vol2; FIP1956-2-1121, Vol2; FIP1956-2-1121,

HL References 2:

HL References 3:

NAICS	SIC
482113	453
412110	511
416310	563
482112	453
488210	453
416320	563
444110	563
454310	511
444120	563
483116	453
419120	511
444190	563
416340	563
482114	453

Company Name Year of Operation

CNR yards c. 1930-1940

Independent Coal and Lumber Co. c. 1940-1960

Canadian Northern Ontario Railway-Freight Sheds and Station c. 1920

MAP Report Ver: 1 Page 3 of 4



Study Year

1998

CITY OF OTTAWA

HLUI ID: __679G31

AREA (Square Metres): 11132.308

Report: RPTC_OT_DEV0122

Run On: 18 Oct 2019 at: 09:59:38

PIN Multi-NAIC Multiple Activities
042040270 Y Y

Activity ID: 8339 Multiple PINS: N

PIN Certainty: 1 Previous Activity ID(s): 1786

Related PINS: 042040270

Name: MOBIN FOUNDATION

Address: 2 ROBINSON AVENUE, OTTAWA

Facility Type: Motor Vehicle Repair Shops

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

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

HL References 2:

HL References 3: 2005 Property Assessment

NAICS	SIC
811199	0
811112	0
811111	0
811119	0
811121	635
811112	635
811121	0
811119	635

Company Name Year of Operation

Mahoney and Rich Garage c. 1940

MOBIN FOUNDATION c. 2005

MAP Report Ver: 1 Page 4 of 4



Report:

RPTC_OT_DEV0122

Run On:

18 Oct 2019 at: 10:00:59

HLUI ID: __679GR5

AREA (Square Metres): 7784.982

Study Year PIN Multi-NAIC Multiple Activities
1998 042040267 Y Wultiple Activities

Activity ID: 2704 Multiple PINS: Y

PIN Certainty: 2 Previous Activity ID(s): 1672

Related PINS: 042040242

Name: CITIES SERVICE OIL CO. LIMITED

Address: MANN AVENUE, OTTAWA

Facility Type: Railway Transport and Related Service Industries

Comments 1: Two (2) electric pump houses. FIP1948-located at 20 Mann ave.

Comments 2:

Generator Number:

Storage Tanks: Six (6) gasoline USTs, three (3) of which are noted as 15 000 Gallons each. Three (3) fuel oil tanks, an oil

warehouse, and garage-FIP1949, FIP1956

HL References 1: M.1900, M.1910, M.1920, M.1930, M.1940, M.1950, M.1960, M.1970, M.1980; FIP1901-key, Vol1;

FIP1912-158-1121, Vol2; FIP1922-158-1121, Vol2; FIP1948-234-1121; FIP1956-234-2-1121, Vol2

HL References 2:

HL References 3:

NAICS	SIC
419120	511
811310	551
415190	551
454310	511
493190	479
415110	551
412110	511
415120	551
493130	479
493120	479
482114	453
483116	453
482113	453
488210	453
482112	453
811111	551

Company Name Year of Operation

Cities Service Oil Co. Ltd. c. 1930-1960



HLUI ID: __679GR5

Run On:

Report:

RPTC_OT_DEV0122

18 Oct 2019 at: 10:00:59

AREA (Square Metres): 7784.982

Study Year PIN **Multi-NAIC Multiple Activities** 042040267 1998

9785 Υ **Activity ID:** Multiple PINS:

2 **PIN Certainty:** 3454 Previous Activity ID(s):

Related PINS: 041250012

Name: **NEW YORK CENTRAL RAILWAY**

Address: MANN AVENUE, OTTAWA

Facility Type: Machine Shop Industry

Comments 1: Round House and workshops, machine shop, oil house. Coal Pocket and Sand Blast east of Round

house -800-900 feet

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: M.1900, M.1910, M.1912, M.1920, M.1922, M.1930, M.1940, M.1949, M.1950, M.1954, M.1957; FIP1901-key, Vol1;

FIP1912-158-1121, Vol2;

FIP1912-158-1122, Vol2; FIP1922-158-1122, Vol2, FIP1922-158-1121, Vol2; FIP1948-234-1121; HL References 2:

FIP1956-234-2-1121,Vol2

HL References 3:

NAICS	SIC
332710	308
482113	453
482112	453
333619	308
336350	308
454310	511
488210	453
336310	308
412110	511
483116	453
419120	511
482114	453

Company Name Year of Operation

New York Central Railway c. 1910-1956

Canadian National Railway c. 1912-1956



Historical Land Use Inventory

Activity Numbers –

Adjacent Properties



Historical Land Use Inventory

Area #1 Activity Numbers



Report:

RPTC_OT_DEV0122

HLUI ID: __679ACI

Run On:

18 Oct 2019 at: 10:01:51

AREA (Square Metres): 24928.227

Study Year 1998 2005 **PIN** 042050223

Multi-NAIC

Multiple Activities

Ν

Activity ID:

14296

Multiple PINS:

N

Ν

PIN Certainty:

Previous Activity ID(s):

Related PINS:

042050248

Name:

UNIVERSITY OF OTTAWA

Address:

255 HENDERSON AVENUE, OTTAWA

042050248

Facility Type:

University Education

Comments 1:

MINTO ARENA

Comments 2:

Generator Number:

ON0179308

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2000 PID

NAICS

SIC

611310

0

Company Name

Year of Operation

UNIVERSITY OF OTTAWA

c. 2000



HLUI ID: __679ACI

Report:

RPTC_OT_DEV0122

Run On: 18 Oct 2019 at: 10:01:51

AREA (Square Metres): 24928.227

Study Year 1998

PIN 042050223

Multi-NAIC

Multiple Activities

2005

042050248

Ν

Ν

Activity ID:

14539

Multiple PINS:

Ν

PIN Certainty:

Previous Activity ID(s):

7073

Related PINS:

042050223

Name:

UNNAMED WASTE DISPOSAL SITE

Address:

MANN AVENUE, OTTAWA

Facility Type:

Other Utility Industries n.e.c.

Comments 1:

Listed as a former landfill, the years of operation and closure are unknown.

Comments 2:

Generator Number:

Storage Tanks:

Intera-1988a

HL References 1: **HL References 2:**

HL References 3:

SIC
499
499
499
499
499

Company Name

Year of Operation

Unnamed Waste Disposal Site

c. 1988



Run On:

Report:

RPTC_OT_DEV0122

HLUI ID: __679ACI

18 Oct 2019 at: 10:01:51

AREA (Square Metres): 24928.227

Study Year 1998 **PIN** 042050223 042050248

Multi-NAIC

Ν

Multiple Activities

r N

Activity ID:

2005

4286

Multiple PINS:

Υ

PIN Certainty:

1

Previous Activity ID(s):

: 1083

Related PINS:

042050223

Name:

DOLAN JOS AND SONS LIMITED

Address:

35 MANN AVENUE, OTTAWA

Facility Type:

Petroleum Products, Wholesale

Comments 1:

FIP - lists @ # 45

Comments 2:

Generator Number:

Storage Tanks:

1 UST - gasoline

HL References 1:

 $M.1900,\,M.1910,\,M.1920,\,M.1930,\,M.1940,\,M.1948,\,M.1950,\,M.1955;\,FIP1901,vol2;\,FIP1912-90-424,vol1;\,M.1950,\,M$

FIP1922-90-423,vol1; FIP1948-217-424; FIP1956-217-4-424,vol2.

HL References 2:

HL References 3:

NAICS	SIC
419120	511
483116	453
444120	563
416310	563
488210	453
416320	563
482114	453
444190	563
454310	511
444110	563
416340	563
482113	453
482112	453
412110	511

Company Name

Year of Operation

Dolan Jos and Sons Ltd

c. 1940 -1956



HLUI ID: __679ACI

Report:

RPTC_OT_DEV0122

Run On: 18 Oct 2019 at: 10:01:51

AREA (Square Metres): 24928.227

Study Year 1998

2005

PIN 042050223 042050248

Multi-NAIC Y

Ν

Multiple Activities

N

Activity ID: 5124

Multiple PINS: N

PIN Certainty:

2

Previous Activity ID(s):

2379, 201

Related PINS:

042050223

Name:

UNNAMED GASOLINE SERVICE STATION

Address:

25 MANN AVENUE, OTTAWA

Facility Type:

Motor Vehicle Repair Shops

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

Two (2) USTs (gasoline) in FIP1948 and three (3) USTs (gasoline) in FIP1956.

HL References 1:

M.1900-1955; FIP1901-90-423, vol1; FIP1901-90-424, vol1; FIP1912-90-424, vol1; FIP1912-90-423, vol1; FIP1912-90-423, vol1; FIP1912-90-424, vol1; FIP191912-90-424, vol1; FIP191912-90-424, vol1; FIP

FIP1922-90-423,vol1; FIP1922-90-424,vol1; FIP1948-217-4-424,vol2; FIP1948-217-423,vol2;

FIP1956-217-423,vol2; FIP1956-217-4-424,vol2.

HL References 2:

HL References 3:

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

Company Name Year of Operation

Unnamed Gasoline Service Station

c. 1948-1956

Edward Griecken Garage

c. 1950-1956



Report:

RPTC_OT_DEV0122

HLUI ID: __679ACI

Run On:

18 Oct 2019 at: 10:01:51

Ν

AREA (Square Metres): 24928.227

Study Year 1998

PIN 042050223

Multi-NAIC

Multiple Activities

2005

042050248

Ν

Ν

6935 **Activity ID: Multiple PINS:**

2374 **PIN Certainty:** Previous Activity ID(s):

Related PINS: 042050223

INDEPENDENT COAL & LUMBER CO. Name:

Address: 25 MANN AVENUE, OTTAWA

Facility Type: Other Petroleum and Coal Products Industries

Comments 1: Comments 2:

Generator Number:

Storage Tanks:

HL References 1: FIP1901-90-423,vol1; FIP1912-90-423,vol1; FIP1922-90-423,vol1; FIP1948-217-423,vol2.

HL References 2:

HL References 3:

NAICS	SIC
483116	453
416340	563
444110	563
324121	369
416320	563
482112	453
416310	563
482114	453
444120	563
444190	563
482113	453
488210	453

Company Name

Year of Operation

Independent Coal & Lumber Co.

c. 1922



HLUI ID: __679ACI

Run On:

Report:

RPTC_OT_DEV0122

18 Oct 2019 at: 10:01:51

AREA (Square Metres): 24928.227

Study Year 1998 2005

PIN 042050223 042050248

Multi-NAIC Ν

Multiple Activities Ν

6940 **Activity ID:**

Multiple PINS:

Υ

PIN Certainty:

Previous Activity ID(s):

1082

Related PINS:

042050012

Name: Address: INDEPENDENT COAL CO. MANN AVENUE, OTTAWA

Facility Type:

Lumber and Building Materials, Wholesale

Comments 1:

A Garage was at #9 Mann ave. 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
454310	511
416340	563
412110	511
416320	563
416310	563
444120	563
419120	511
444190	563
444110	563

Company Name

Year of Operation

William Hastey

c. 1920-1930

Independent Coal Co.

c. 1940

Mahoney and Rich Garage

c. 1940



HLUI ID: __679ACI

Report:

RPTC_OT_DEV0122

Run On:

18 Oct 2019 at: 10:01:51

Ν

AREA (Square Metres): 24928.227

Study Year 1998

PIN 042050223

Multi-NAIC

Multiple Activities

2005

042050248

Ν

8338 **Activity ID: Multiple PINS:** Ν

2377 **PIN Certainty:** Previous Activity ID(s):

Related PINS: 042050223

MAHONEY & RICH LIMITED Name: Address: 33 MANN AVENUE, OTTAWA

Facility Type: Gasoline Service Stations

Comments 1: 1960 - also lists Joseph Dolan & Sons Ltd., yard & garage

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: M.1955, M.1960, M.1970, M.1980

HL References 2:

HL References 3:

NAICS	SIC
811121	635
811111	551
447190	633
415120	551
811199	633
447110	633
811112	635
415110	551
415190	551
811119	635
811310	551

Company Name

Year of Operation

Mahoney & Rich Ltd. c. 1955-1970



Historical Land Use Inventory

Area #2 Activity Numbers



Report:

RPTC_OT_DEV0122

Run On:

18 Oct 2019 at: 10:04:17

HLUI ID: __670H0B

AREA (Square Metres): 2786.365

Study YearPINMulti-NAICMultiple Activities1998042050225YN

Activity ID: 4286 Multiple PINS: Y

PIN Certainty: 1 Previous Activity ID(s): 1083

Related PINS: 042050223

Name:DOLAN JOS AND SONS LIMITEDAddress:35 MANN AVENUE, OTTAWAFacility Type:Petroleum Products, Wholesale

Comments 1: FIP - lists @ # 45

Comments 2:

Generator Number:

Storage Tanks: 1 UST - gasoline

HL References 1: M.1900, M.1910, M.1920, M.1930, M.1940, M.1948, M.1950, M.1955; FIP1901,vol2; FIP1912-90-424,vol1;

FIP1922-90-423,vol1; FIP1948-217-424; FIP1956-217-4-424,vol2.

HL References 2:

HL References 3:

NAICS	SIC
419120	511
483116	453
444120	563
416310	563
488210	453
416320	563
482114	453
444190	563
454310	511
444110	563
416340	563
482113	453
482112	453
412110	511

Company Name Year of Operation

Dolan Jos and Sons Ltd c. 1940 -1956



Historical Land Use Inventory

Area #3 Activity Numbers



Report:

RPTC_OT_DEV0122

HLUI ID: __679B99

B99

Run On: 18 Oct 2019 at: 10:05:19

AREA (Square Metres): 1360.565

Study YearPINMulti-NAICMultiple Activities2005042050224NN

Activity ID: 14297 Multiple PINS: Y

PIN Certainty: 1 Previous Activity ID(s):

Related PINS: 042050224

Name: UNIVERSITY OF OTTAWA
Address: 33 MANN AVENUE, OTTAWA

Facility Type: University Education

Comments 1: POWER RESOURCES GROUP

Comments 2:

Generator Number: ON0179300

Storage Tanks: HL References 1: HL References 2:

HL References 3: 2000 PID

NAICS SIC

611310 0

Company Name Year of Operation

UNIVERSITY OF OTTAWA c. 2000



Historical Land Use Inventory

Area #4 Activity Numbers



Report:

RPTC_OT_DEV0122

Run On:

18 Oct 2019 at: 10:06:02

HLUI ID: __679GTV

AREA (Square Metres): 8222.255

Study YearPINMulti-NAICMultiple Activities1998042050226YN

Activity ID: 3783 Multiple PINS: Y

PIN Certainty: 2 Previous Activity ID(s): 5733

Related PINS: 153240000

Name: CORPORATION OF THE CITY OF OTTAWA YARD B

Address: RUSSELL AVENUE, OTTAWA

Facility Type: Other Storage and Warehousing Industries

Comments 1: Two incinerators on property -Iron Chimneys Equipment storage. Storage for salt, sand and snow,

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: M.1948, M.1956; FIP1912-92-426,Vol1; FIP1922-92-426,Vol1; FIP1948-218-426; FIP1956-218-3-426

HL References 2:

HL References 3:

NAICS	SIC
562210	499
562920	499
562990	499
913910	835
493190	479
221320	499
493120	479
493130	479
221330	499

Company Name Year of Operation

Corporation of the City of Ottawa Yard B c. 1956



Report:

RPTC_OT_DEV0122

Run On:

18 Oct 2019 at: 10:06:45

HLUI ID: __679GNA

AREA (Square Metres): 6282.158

Study YearPINMulti-NAICMultiple Activities1998042050207YN

Activity ID: 3783 Multiple PINS: Y

PIN Certainty: 2 Previous Activity ID(s): 5733

Related PINS: 153240000

Name: CORPORATION OF THE CITY OF OTTAWA YARD B

Address: RUSSELL AVENUE, OTTAWA

Facility Type: Other Storage and Warehousing Industries

Comments 1: Two incinerators on property -Iron Chimneys Equipment storage. Storage for salt, sand and snow,

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: M.1948, M.1956; FIP1912-92-426,Vol1; FIP1922-92-426,Vol1; FIP1948-218-426; FIP1956-218-3-426

HL References 2:

HL References 3:

NAICS	SIC
562210	499
562920	499
562990	499
913910	835
493190	479
221320	499
493120	479
493130	479
221330	499

Company Name Year of Operation

Corporation of the City of Ottawa Yard B c. 1956



Report:

RPTC_OT_DEV0122

Run On:

18 Oct 2019 at: 10:18:41

HLUI ID: __679FIF

AREA (Square Metres): 1145.708

Study YearPINMulti-NAICMultiple Activities1998153240000YN

Activity ID: 3783 Multiple PINS: Y

PIN Certainty: 2 Previous Activity ID(s): 5733

Related PINS: 153240000

Name: CORPORATION OF THE CITY OF OTTAWA YARD B

Address: RUSSELL AVENUE, OTTAWA

Facility Type: Other Storage and Warehousing Industries

Comments 1: Two incinerators on property -Iron Chimneys Equipment storage. Storage for salt, sand and snow,

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: M.1948, M.1956; FIP1912-92-426,Vol1; FIP1922-92-426,Vol1; FIP1948-218-426; FIP1956-218-3-426

HL References 2:

HL References 3:

NAICS	SIC
562210	499
562920	499
562990	499
913910	835
493190	479
221320	499
493120	479
493130	479
221330	499

Company Name Year of Operation

Corporation of the City of Ottawa Yard B c. 1956



Report: Run On: RPTC_OT_DEV0122

c. 1956

18 Oct 2019 at: 10:19:07

HLUI ID: __679C83

AREA (Square Metres): 271.334

Study YearPINMulti-NAICMultiple Activities1998042050181YN

Activity ID: 3783 Multiple PINS: Y

PIN Certainty: 2 Previous Activity ID(s): 5733

Related PINS: 153240000

Name: CORPORATION OF THE CITY OF OTTAWA YARD B

Address: RUSSELL AVENUE, OTTAWA

Facility Type: Other Storage and Warehousing Industries

Comments 1: Two incinerators on property -Iron Chimneys Equipment storage. Storage for salt, sand and snow,

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: M.1948, M.1956; FIP1912-92-426,Vol1; FIP1922-92-426,Vol1; FIP1948-218-426; FIP1956-218-3-426

HL References 2:

HL References 3:

NAICS	SIC
562210	499
562920	499
562990	499
913910	835
493190	479
221320	499
493120	479
493130	479
221330	499

Company Name Year of Operation

Corporation of the City of Ottawa Yard B



Report:

RPTC_OT_DEV0122

Run On: 18 Oct 2019 at: 10:19:39

HLUI ID: __679D12

AREA (Square Metres): 400.017

Study YearPINMulti-NAICMultiple Activities1998042050180YN

Activity ID: 3783 Multiple PINS: Y

PIN Certainty: 2 Previous Activity ID(s): 5733

Related PINS: 153240000

Name: CORPORATION OF THE CITY OF OTTAWA YARD B

Address: RUSSELL AVENUE, OTTAWA

Facility Type: Other Storage and Warehousing Industries

Comments 1: Two incinerators on property -Iron Chimneys Equipment storage. Storage for salt, sand and snow,

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: M.1948, M.1956; FIP1912-92-426,Vol1; FIP1922-92-426,Vol1; FIP1948-218-426; FIP1956-218-3-426

HL References 2:

HL References 3:

NAICS	SIC
562210	499
562920	499
562990	499
913910	835
493190	479
221320	499
493120	479
493130	479
221330	499

Company Name Year of Operation

Corporation of the City of Ottawa Yard B c. 1956



Report:

RPTC_OT_DEV0122

Run On:

18 Oct 2019 at: 10:20:04

HLUI ID: __679DQA

AREA (Square Metres): 343.029

Study YearPINMulti-NAICMultiple Activities1998042050179YN

Activity ID: 3783 Multiple PINS: Y

PIN Certainty: 2 Previous Activity ID(s): 5733

Related PINS: 153240000

Name: CORPORATION OF THE CITY OF OTTAWA YARD B

Address: RUSSELL AVENUE, OTTAWA

Facility Type: Other Storage and Warehousing Industries

Comments 1: Two incinerators on property -Iron Chimneys Equipment storage. Storage for salt, sand and snow,

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: M.1948, M.1956; FIP1912-92-426,Vol1; FIP1922-92-426,Vol1; FIP1948-218-426; FIP1956-218-3-426

HL References 2:

HL References 3:

NAICS	SIC
562210	499
562920	499
562990	499
913910	835
493190	479
221320	499
493120	479
493130	479
221330	499

Company Name Year of Operation

Corporation of the City of Ottawa Yard B

MAP Report Ver: 1 Page 1 of 1

c. 1956



Report:

RPTC_OT_DEV0122

Run On:

18 Oct 2019 at: 10:20:54

HLUI ID: __679C6V

AREA (Square Metres): 254.070

Study YearPINMulti-NAICMultiple Activities1998042050178YN

Activity ID: 3783 Multiple PINS: Y

PIN Certainty: 2 Previous Activity ID(s): 5733

Related PINS: 153240000

Name: CORPORATION OF THE CITY OF OTTAWA YARD B

Address: RUSSELL AVENUE, OTTAWA

Facility Type: Other Storage and Warehousing Industries

Comments 1: Two incinerators on property -Iron Chimneys Equipment storage. Storage for salt, sand and snow,

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: M.1948, M.1956; FIP1912-92-426,Vol1; FIP1922-92-426,Vol1; FIP1948-218-426; FIP1956-218-3-426

HL References 2:

HL References 3:

NAICS	SIC
562210	499
562920	499
562990	499
913910	835
493190	479
221320	499
493120	479
493130	479
221330	499

Company Name Year of Operation

Corporation of the City of Ottawa Yard B c. 1956



Report:

RPTC_OT_DEV0122

Run On:

18 Oct 2019 at: 10:21:16

HLUI ID: __679CLB

AREA (Square Metres): 119.215

Study YearPINMulti-NAICMultiple Activities1998042050177YN

Υ

c. 1956

Activity ID: 3783 Multiple PINS:

PIN Certainty: 2 Previous Activity ID(s): 5733

Related PINS: 153240000

Name: CORPORATION OF THE CITY OF OTTAWA YARD B

Address: RUSSELL AVENUE, OTTAWA

Facility Type: Other Storage and Warehousing Industries

Comments 1: Two incinerators on property -Iron Chimneys Equipment storage. Storage for salt, sand and snow,

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: M.1948, M.1956; FIP1912-92-426,Vol1; FIP1922-92-426,Vol1; FIP1948-218-426; FIP1956-218-3-426

HL References 2:

HL References 3:

NAICS	SIC
562210	499
562920	499
562990	499
913910	835
493190	479
221320	499
493120	479
493130	479
221330	499

Company Name Year of Operation

Corporation of the City of Ottawa Yard B



Report:

RPTC_OT_DEV0122

Run On:

18 Oct 2019 at: 10:21:51

HLUI ID: __679DZ9

AREA (Square Metres): 395.306

Study YearPINMulti-NAICMultiple Activities1998042050176YN

Activity ID: 3783 Multiple PINS: Y

PIN Certainty: 2 Previous Activity ID(s): 5733

Related PINS: 153240000

Name: CORPORATION OF THE CITY OF OTTAWA YARD B

Address: RUSSELL AVENUE, OTTAWA

Facility Type: Other Storage and Warehousing Industries

Comments 1: Two incinerators on property -Iron Chimneys Equipment storage. Storage for salt, sand and snow,

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: M.1948, M.1956; FIP1912-92-426,Vol1; FIP1922-92-426,Vol1; FIP1948-218-426; FIP1956-218-3-426

HL References 2:

HL References 3:

NAICS	SIC
562210	499
562920	499
562990	499
913910	835
493190	479
221320	499
493120	479
493130	479
221330	499

Company Name Year of Operation

Corporation of the City of Ottawa Yard B c. 1956



Report:

RPTC_OT_DEV0122

Run On:

18 Oct 2019 at: 10:22:12

HLUI ID: __679D27

AREA (Square Metres): 407.452

Study YearPINMulti-NAICMultiple Activities1998042050175YN

Activity ID: 3783 Multiple PINS: Y

PIN Certainty: 2 Previous Activity ID(s): 5733

Related PINS: 153240000

Name: CORPORATION OF THE CITY OF OTTAWA YARD B

Address: RUSSELL AVENUE, OTTAWA

Facility Type: Other Storage and Warehousing Industries

Comments 1: Two incinerators on property -Iron Chimneys Equipment storage. Storage for salt, sand and snow,

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: M.1948, M.1956; FIP1912-92-426,Vol1; FIP1922-92-426,Vol1; FIP1948-218-426; FIP1956-218-3-426

HL References 2:

HL References 3:

NAICS	SIC
562210	499
562920	499
562990	499
913910	835
493190	479
221320	499
493120	479
493130	479
221330	499

Company Name Year of Operation

Corporation of the City of Ottawa Yard B c. 1956



Report:

RPTC_OT_DEV0122

Run On:

18 Oct 2019 at: 10:22:45

HLUI ID: __679EBT

AREA (Square Metres): 837.745

Study Year PIN **Multi-NAIC Multiple Activities** 042050174 1998

3783 Υ **Activity ID:** Multiple PINS:

PIN Certainty: 2 Previous Activity ID(s): 5733

Related PINS: 153240000

Name: CORPORATION OF THE CITY OF OTTAWA YARD B

Address: RUSSELL AVENUE, OTTAWA

Facility Type: Other Storage and Warehousing Industries

Comments 1: Two incinerators on property -Iron Chimneys Equipment storage. Storage for salt, sand and snow,

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: M.1948, M.1956; FIP1912-92-426, Vol1; FIP1922-92-426, Vol1; FIP1948-218-426; FIP1956-218-3-426

HL References 2:

HL References 3:

NAICS	SIC
562210	499
562920	499
562990	499
913910	835
493190	479
221320	499
493120	479
493130	479
221330	499

Company Name Year of Operation

Corporation of the City of Ottawa Yard B c. 1956



Report:

RPTC_OT_DEV0122

Run On:

18 Oct 2019 at: 10:23:05

HLUI ID: __679D60

AREA (Square Metres): 438.239

Study YearPINMulti-NAICMultiple Activities1998042050173YN

Activity ID: 3783 Multiple PINS: Y

PIN Certainty: 2 Previous Activity ID(s): 5733

Related PINS: 153240000

Name: CORPORATION OF THE CITY OF OTTAWA YARD B

Address: RUSSELL AVENUE, OTTAWA

Facility Type: Other Storage and Warehousing Industries

Comments 1: Two incinerators on property -Iron Chimneys Equipment storage. Storage for salt, sand and snow,

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: M.1948, M.1956; FIP1912-92-426,Vol1; FIP1922-92-426,Vol1; FIP1948-218-426; FIP1956-218-3-426

HL References 2:

HL References 3:

NAICS	SIC
562210	499
562920	499
562990	499
913910	835
493190	479
221320	499
493120	479
493130	479
221330	499

Company Name Year of Operation

Corporation of the City of Ottawa Yard B c. 1956



Report:

RPTC_OT_DEV0122

Run On:

18 Oct 2019 at: 10:23:37

HLUI ID: __679DRO

AREA (Square Metres): 347.137

Study YearPINMulti-NAICMultiple Activities1998042050172YN

Activity ID: 3783 Multiple PINS: Y

PIN Certainty: 2 Previous Activity ID(s): 5733

Related PINS: 153240000

Name: CORPORATION OF THE CITY OF OTTAWA YARD B

Address: RUSSELL AVENUE, OTTAWA

Facility Type: Other Storage and Warehousing Industries

Comments 1: Two incinerators on property -Iron Chimneys Equipment storage. Storage for salt, sand and snow,

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: M.1948, M.1956; FIP1912-92-426,Vol1; FIP1922-92-426,Vol1; FIP1948-218-426; FIP1956-218-3-426

HL References 2:

HL References 3:

NAICS	SIC
562210	499
562920	499
562990	499
913910	835
493190	479
221320	499
493120	479
493130	479
221330	499

Company Name Year of Operation

Corporation of the City of Ottawa Yard B c. 1956



Report:

RPTC_OT_DEV0122

18 Oct 2019 at: 10:24:55

HLUI ID: __679GXO

AREA (Square Metres): 363.434

Study YearPINMulti-NAICMultiple Activities1998042050170YN

Activity ID: 3783 Multiple PINS: Y

PIN Certainty: 2 Previous Activity ID(s): 5733

Related PINS: 153240000

Name: CORPORATION OF THE CITY OF OTTAWA YARD B

Address: RUSSELL AVENUE, OTTAWA

Facility Type: Other Storage and Warehousing Industries

Comments 1: Two incinerators on property -Iron Chimneys Equipment storage. Storage for salt, sand and snow,

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: M.1948, M.1956; FIP1912-92-426,Vol1; FIP1922-92-426,Vol1; FIP1948-218-426; FIP1956-218-3-426

HL References 2:

HL References 3:

NAICS	SIC
562210	499
562920	499
562990	499
913910	835
493190	479
221320	499
493120	479
493130	479
221330	499

Company Name Year of Operation

Corporation of the City of Ottawa Yard B c. 1956



Report:

RPTC_OT_DEV0122

18 Oct 2019 at: 10:25:39

HLUI ID: __679CKO

AREA (Square Metres): 105.667

Study YearPINMulti-NAICMultiple Activities1998042050165YN

Activity ID: 3783 Multiple PINS: Y

PIN Certainty: 2 Previous Activity ID(s): 5733

Related PINS: 153240000

Name: CORPORATION OF THE CITY OF OTTAWA YARD B

Address: RUSSELL AVENUE, OTTAWA

Facility Type: Other Storage and Warehousing Industries

Comments 1: Two incinerators on property -Iron Chimneys Equipment storage. Storage for salt, sand and snow,

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: M.1948, M.1956; FIP1912-92-426,Vol1; FIP1922-92-426,Vol1; FIP1948-218-426; FIP1956-218-3-426

HL References 2:

HL References 3:

NAICS	SIC
562210	499
562920	499
562990	499
913910	835
493190	479
221320	499
493120	479
493130	479
221330	499

Company Name Year of Operation

Corporation of the City of Ottawa Yard B c. 1956



Report: Run On: RPTC_OT_DEV0122

18 Oct 2019 at: 10:26:39

HLUI ID: __679CLZ

AREA (Square Metres): 116.310

Study YearPINMulti-NAICMultiple Activities1998042050166YN

Activity ID: 3783 Multiple PINS: Y

PIN Certainty: 2 Previous Activity ID(s): 5733

Related PINS: 153240000

Name: CORPORATION OF THE CITY OF OTTAWA YARD B

Address: RUSSELL AVENUE, OTTAWA

Facility Type: Other Storage and Warehousing Industries

Comments 1: Two incinerators on property -Iron Chimneys Equipment storage. Storage for salt, sand and snow,

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: M.1948, M.1956; FIP1912-92-426,Vol1; FIP1922-92-426,Vol1; FIP1948-218-426; FIP1956-218-3-426

HL References 2:

HL References 3:

NAICS	SIC
562210	499
562920	499
562990	499
913910	835
493190	479
221320	499
493120	479
493130	479
221330	499

Company Name Year of Operation

Corporation of the City of Ottawa Yard B c. 1956



HLUI ID: __679CJJ

Report: Run On: RPTC_OT_DEV0122

18 Oct 2019 at: 10:27:06

AREA (Square Metres): 78.630

Study YearPINMulti-NAICMultiple Activities1998042050167YN

Activity ID: 3783 Multiple PINS: Y

PIN Certainty: 2 Previous Activity ID(s): 5733

Related PINS: 153240000

Name: CORPORATION OF THE CITY OF OTTAWA YARD B

Address: RUSSELL AVENUE, OTTAWA

Facility Type: Other Storage and Warehousing Industries

Comments 1: Two incinerators on property -Iron Chimneys Equipment storage. Storage for salt, sand and snow,

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: M.1948, M.1956; FIP1912-92-426,Vol1; FIP1922-92-426,Vol1; FIP1948-218-426; FIP1956-218-3-426

HL References 2:

HL References 3:

NAICS	SIC
562210	499
562920	499
562990	499
913910	835
493190	479
221320	499
493120	479
493130	479
221330	499

Company Name Year of Operation

Corporation of the City of Ottawa Yard B c. 1956



Report:

RPTC_OT_DEV0122

Run On:

18 Oct 2019 at: 10:27:41

HLUI ID: __679CTV

AREA (Square Metres): 176.799

Study YearPINMulti-NAICMultiple Activities1998042050169YN

Activity ID: 3783 Multiple PINS: Y

PIN Certainty: 2 Previous Activity ID(s): 5733

Related PINS: 153240000

Name: CORPORATION OF THE CITY OF OTTAWA YARD B

Address: RUSSELL AVENUE, OTTAWA

Facility Type: Other Storage and Warehousing Industries

Comments 1: Two incinerators on property -Iron Chimneys Equipment storage. Storage for salt, sand and snow,

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: M.1948, M.1956; FIP1912-92-426,Vol1; FIP1922-92-426,Vol1; FIP1948-218-426; FIP1956-218-3-426

HL References 2:

HL References 3:

NAICS	SIC
562210	499
562920	499
562990	499
913910	835
493190	479
221320	499
493120	479
493130	479
221330	499

Company Name Year of Operation

Corporation of the City of Ottawa Yard B c. 1956



Report:

RPTC_OT_DEV0122

Run On:

18 Oct 2019 at: 10:28:35

HLUI ID: __679CKQ

AREA (Square Metres): 107.724

Study YearPINMulti-NAICMultiple Activities1998042050168YN

Activity ID: 3783 Multiple PINS: Y

PIN Certainty: 2 Previous Activity ID(s): 5733

Related PINS: 153240000

Name: CORPORATION OF THE CITY OF OTTAWA YARD B

Address: RUSSELL AVENUE, OTTAWA

Facility Type: Other Storage and Warehousing Industries

Comments 1: Two incinerators on property -Iron Chimneys Equipment storage. Storage for salt, sand and snow,

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: M.1948, M.1956; FIP1912-92-426,Vol1; FIP1922-92-426,Vol1; FIP1948-218-426; FIP1956-218-3-426

HL References 2:

HL References 3:

NAICS	SIC
562210	499
562920	499
562990	499
913910	835
493190	479
221320	499
493120	479
493130	479
221330	499

Company Name Year of Operation

Corporation of the City of Ottawa Yard B c. 1956



Historical Land Use Inventory

Area #5 Activity Numbers



Report:

RPTC_OT_DEV0122

HLUI ID: __679DQP

Run On:

18 Oct 2019 at: 10:23:58

AREA (Square Metres): 340.431

Study Year PIN

Multi-NAIC Multiple Activities 042050171 1998

Activity ID: 3073 Multiple PINS: Ν

PIN Certainty: Previous Activity ID(s):

042050171 Related PINS:

Name: CAPITAL STUDENT WINDOW WASHING

Address: 254 RUSSELL AVENUE,

Facility Type: Service Industries Incidental to Air Transport

Comments 1: Comments 2:

Generator Number:

Storage Tanks:

HL References 1:

HL References 2:

2005 Select Phone HL References 3:

NAICS SIC

561722 0 561799 0

Company Name Year of Operation

CAPITAL STUDENT WINDOW WASHING c. 2005



HLUI ID: __679DQP

ъ.

Report:

RPTC_OT_DEV0122

Run On:

18 Oct 2019 at: 10:23:58

AREA (Square Metres): 340.431

Study Year PIN Multi-NAIC Multiple Activities
1998 042050171 Y Wulti-NAIC Y

Activity ID: 3783 Multiple PINS: Y

PIN Certainty: 2 Previous Activity ID(s): 5733

Related PINS: 153240000

Name: CORPORATION OF THE CITY OF OTTAWA YARD B

Address: RUSSELL AVENUE, OTTAWA

Facility Type: Other Storage and Warehousing Industries

Comments 1: Two incinerators on property -Iron Chimneys Equipment storage. Storage for salt, sand and snow,

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: M.1948, M.1956; FIP1912-92-426,Vol1; FIP1922-92-426,Vol1; FIP1948-218-426; FIP1956-218-3-426

HL References 2:

HL References 3:

NAICS	SIC
562210	499
562920	499
562990	499
913910	835
493190	479
221320	499
493120	479
493130	479
221330	499

Company Name Year of Operation

Corporation of the City of Ottawa Yard B c. 1956



Area #6 Activity Numbers



Report:

RPTC_OT_DEV0122

HLUI ID: __679C1D

Run On:

18 Oct 2019 at: 10:32:26

Multiple Activities

AREA (Square Metres): 226.912

 Study Year
 PIN
 Multi-NAIC

 1998
 042050143
 Y

Activity ID: 9509 Multiple PINS: Y

PIN Certainty: 2 Previous Activity ID(s): 3419

Related PINS: 042050050

Name: NADELL RUBIN

Address: 662 CHAPEL STREET, OTTAWA

Facility Type: Waste Materials, Wholesale

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

418190 591 415310 591 418110 591

Company Name Year of Operation

Nadell Rubin c. 1970



Report:

RPTC_OT_DEV0122

Run On:

18 Oct 2019 at: 10:32:51

HLUI ID: __679GWN
AREA (Square Metres): 311.198

Study Year 1998 **PIN** 042050050

Multi-NAIC

Multiple Activities

IN

Activity ID:

9509

Multiple PINS:

Previous Activity ID(s):

Y

PIN Certainty:

2

3419

Related PINS:

042050050

Name:

NADELL RUBIN

Address:

662 CHAPEL STREET, OTTAWA

Facility Type:

Waste Materials, Wholesale

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

418190

591

415310

591

418110

591

Company Name

Year of Operation

Nadell Rubin

c. 1970



Area #7 Activity Numbers



Report:

RPTC_OT_DEV0122

Run On:

18 Oct 2019 at: 10:38:24

HLUI ID: __679F1L

AREA (Square Metres): 2071.188

Study Year PIN Multi-NAIC Multiple Activities
1998 042060279 Y N

Activity ID: 10855 Multiple PINS: N

PIN Certainty: 1 Previous Activity ID(s): 2974

Related PINS: 042060279

Name: SANDY HILL SPEED CLEANERS
Address: 99 MANN AVENUE, OTTAWA

Facility Type: Laundries and Cleaners

Comments 1:

Comments 2:

Generator Number: ON2089300

Storage Tanks:

HL References 1: M.1960, M.1970, M.1980

HL References 2:

HL References 3: 2000 PID

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

Company Name Year of Operation

SANDY HILL SPEED CLEANERS c. 2000
SANDY HILL SPEED QUEEN c. 2001

Parkers Cleaners & Dyers Ltd. c. 1960-1970

Spotless Cleaners c. 1970



Area #8 Activity Numbers



Report:

RPTC_OT_DEV0122

Run On:

18 Oct 2019 at: 10:39:17

HLUI ID: __679GN6

AREA (Square Metres): 6269.241

Study Year PIN Multi-NAIC Multiple Activities
1998 042040242 Y Y

Activity ID: 2704 Multiple PINS: Y

PIN Certainty: 2 Previous Activity ID(s): 1672

Related PINS: 042040242

Name: CITIES SERVICE OIL CO. LIMITED

Address: MANN AVENUE, OTTAWA

010

Facility Type: Railway Transport and Related Service Industries

Comments 1: Two (2) electric pump houses. FIP1948-located at 20 Mann ave.

Comments 2:

Generator Number:

Storage Tanks: Six (6) gasoline USTs, three (3) of which are noted as 15 000 Gallons each. Three (3) fuel oil tanks, an oil

warehouse, and garage-FIP1949, FIP1956

HL References 1: M.1900, M.1910, M.1920, M.1930, M.1940, M.1950, M.1960, M.1970, M.1980; FIP1901-key, Vol1;

FIP1912-158-1121, Vol2; FIP1922-158-1121, Vol2; FIP1948-234-1121; FIP1956-234-2-1121, Vol2

HL References 2:

HL References 3:

MAICE

NAICS	SIC
419120	511
811310	551
415190	551
454310	511
493190	479
415110	551
412110	511
415120	551
493130	479
493120	479
482114	453
483116	453
482113	453
488210	453
482112	453
811111	551

Company Name Year of Operation

Cities Service Oil Co. Ltd. c. 1930-1960



1998

CITY OF OTTAWA

HLUI ID: __679GN6

AREA (Square Metres): 6269.241

Report: RPTC_OT_DEV0122

Run On: 18 Oct 2019 at: 10:39:17

PIN Multi-NAIC Multiple Activities Y

Activity ID: 6507 Multiple PINS: Y

PIN Certainty: 2 Previous Activity ID(s): 1783

Related PINS: 042040242

Name: JASON J. CHILCOTT

Address: MANN AVENUE, OTTAWA

Facility Type: Flour, Prepared Cereal Food and Feed 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
311230 105
311119 105
311822 105
311111 105

Company Name Year of Operation

Chilcott Jas J. c. 1940



1998

CITY OF OTTAWA

HLUI ID: __679GN6

AREA (Square Metres): 6269.241

Report: RPTC_OT_DEV0122

Run On: 18 Oct 2019 at: 10:39:17

PIN Multi-NAIC Multiple Activities Y

Activity ID: 8339 Multiple PINS: N

PIN Certainty: 1 Previous Activity ID(s): 1786

Related PINS: 042040270

Name: MOBIN FOUNDATION

Address: 2 ROBINSON AVENUE, OTTAWA

Facility Type: Motor Vehicle Repair Shops

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

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

HL References 2:

HL References 3: 2005 Property Assessment

NAICS	SIC
811199	0
811112	0
811111	0
811119	0
811121	635
811112	635
811121	0
811119	635

Company Name Year of Operation

Mahoney and Rich Garage c. 1940

MOBIN FOUNDATION c. 2005



Area #9 Activity Numbers



Report:

RPTC_OT_DEV0122

Run On:

18 Oct 2019 at: 10:40:22

HLUI ID: __679G80

AREA (Square Metres): 16972.743

Study Year PIN Multi-NAIC Multiple Activities
1998 042040269 Y Wultiple Activities

Y Y

Activity ID: 2704 Multiple PINS: Y

PIN Certainty: 2 Previous Activity ID(s): 1672

Related PINS: 042040242

Name: CITIES SERVICE OIL CO. LIMITED

Address: MANN AVENUE, OTTAWA

010

Facility Type: Railway Transport and Related Service Industries

Comments 1: Two (2) electric pump houses. FIP1948-located at 20 Mann ave.

Comments 2:

Generator Number:

Storage Tanks: Six (6) gasoline USTs, three (3) of which are noted as 15 000 Gallons each. Three (3) fuel oil tanks, an oil

warehouse, and garage-FIP1949, FIP1956

HL References 1: M.1900, M.1910, M.1920, M.1930, M.1940, M.1950, M.1960, M.1970, M.1980; FIP1901-key, Vol1;

FIP1912-158-1121, Vol2; FIP1922-158-1121, Vol2; FIP1948-234-1121; FIP1956-234-2-1121, Vol2

HL References 2:

HL References 3:

MAICE

NAICS	SIC
419120	511
811310	551
415190	551
454310	511
493190	479
415110	551
412110	511
415120	551
493130	479
493120	479
482114	453
483116	453
482113	453
488210	453
482112	453
811111	551

Company Name Year of Operation

Cities Service Oil Co. Ltd. c. 1930-1960



1998

CITY OF OTTAWA

HLUI ID: __679G80

AREA (Square Metres): 16972.743

Report: RPTC_OT_DEV0122

Run On: 18 Oct 2019 at: 10:40:22

PIN Multi-NAIC Multiple Activities Y

Activity ID: 6507 Multiple PINS: Y

PIN Certainty: 2 Previous Activity ID(s): 1783

Related PINS: 042040242

Name: JASON J. CHILCOTT

Address: MANN AVENUE, OTTAWA

Facility Type: Flour, Prepared Cereal Food and Feed 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
311230 105
311119 105
311822 105
311111 105

Company Name Year of Operation

Chilcott Jas J. c. 1940



1998

CITY OF OTTAWA

HLUI ID: __679G80

AREA (Square Metres): 16972.743

Report: RPTC_OT_DEV0122

Run On: 18 Oct 2019 at: 10:40:22

PIN Multi-NAIC Multiple Activities Y

Activity ID: 6937 Multiple PINS: Y

PIN Certainty: 2 Previous Activity ID(s): 1668

Related PINS: 042040265

Name: INDEPENDENT COAL AND LUMBER CO.

Address: MANN AVENUE, OTTAWA

Facility Type: Lumber and Building Materials, Wholesale

Comments 1: Coal Yard, Coal Piles and Bunker Railway also listed on Hurdman rd.

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: M.1900, M.1910, M.1920, M.1930, M.1940, M.1949, M.1950, M.1954, M.1957, M.1960, M.1970, M.1980;

FIP1901-key, Vol1; FIP1912-158-1121, Vol2; FIP1922-158-1121, Vol2; FIP1948-234-1121; FIP1956-234-2-1121, Vol2; FIP1956-2-1121, Vol2; FIP1956-2-1

HL References 2:

HL References 3:

NAICS	SIC
482113	453
412110	511
416310	563
482112	453
488210	453
416320	563
444110	563
454310	511
444120	563
483116	453
419120	511
444190	563
416340	563
482114	453

Company Name Year of Operation

CNR yards c. 1930-1940

Independent Coal and Lumber Co. c. 1940-1960

Canadian Northern Ontario Railway-Freight Sheds and Station c. 1920



HLUI ID: __679G80

AREA (Square Metres): 16972.743

RPTC_OT_DEV0122 Report:

18 Oct 2019 at: 10:40:22

Run On:

PIN 042040269 **Multi-NAIC Study Year Multiple Activities** 1998

8339 Ν **Activity ID:** Multiple PINS:

1786 **PIN Certainty:** Previous Activity ID(s):

042040270 Related PINS:

Name: MOBIN FOUNDATION

Address: 2 ROBINSON AVENUE, OTTAWA

Facility Type: Motor Vehicle Repair Shops

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

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

HL References 2:

2005 Property Assessment **HL References 3:**

NAICS	SIC
811199	0
811112	0
811111	0
811119	0
811121	635
811112	635
811121	0
811119	635

Company Name Year of Operation

Mahoney and Rich Garage c. 1940

MOBIN FOUNDATION c. 2005



Report:

RPTC_OT_DEV0122

HLUI ID: __679CC7

Run On:

18 Oct 2019 at: 10:41:26

AREA (Square Metres): 298.757

PIN

Study Year 042040265 1998

Multi-NAIC

Multiple Activities

2704 **Activity ID:**

Υ Multiple PINS:

PIN Certainty: 2 Previous Activity ID(s): 1672

Related PINS:

042040242

Name:

CITIES SERVICE OIL CO. LIMITED

Address:

MANN AVENUE, OTTAWA

Facility Type:

Railway Transport and Related Service Industries

Comments 1:

Two (2) electric pump houses. FIP1948-located at 20 Mann ave.

Comments 2:

Generator Number:

Storage Tanks:

Six (6) gasoline USTs, three (3) of which are noted as 15 000 Gallons each. Three (3) fuel oil tanks, an oil

warehouse, and garage-FIP1949, FIP1956

HL References 1:

M.1900, M.1910, M.1920, M.1930, M.1940, M.1950, M.1960, M.1970, M.1980; FIP1901-key, Vol1; FIP1912-158-1121, Vol2; FIP1922-158-1121, Vol2; FIP1948-234-1121; FIP1956-234-2-1121, Vol2

HL References 2:

HL References 3:

NAICS	SIC
419120	511
811310	551
415190	551
454310	511
493190	479
415110	551
412110	511
415120	551
493130	479
493120	479
482114	453
483116	453
482113	453
488210	453
482112	453
811111	551

Company Name

Year of Operation

Cities Service Oil Co. Ltd.

c. 1930-1960



1998

CITY OF OTTAWA

HLUI ID: __679CC7

AREA (Square Metres): 298.757

Report: RPTC_OT_DEV0122

Run On: 18 Oct 2019 at: 10:41:26

PIN Multi-NAIC Multiple Activities
042040265 Y Y

Activity ID: 6507 Multiple PINS: Y

PIN Certainty: 2 Previous Activity ID(s): 1783

Related PINS: 042040242

Name: JASON J. CHILCOTT

Address: MANN AVENUE, OTTAWA

Facility Type: Flour, Prepared Cereal Food and Feed 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
311230 105
311119 105
311822 105
311111 105

Company Name Year of Operation

Chilcott Jas J. c. 1940



1998

CITY OF OTTAWA

HLUI ID: __679CC7

AREA (Square Metres): 298.757

Report: RPTC_OT_DEV0122

Run On: 18 Oct 2019 at: 10:41:26

PIN Multi-NAIC Multiple Activities

Activity ID: 6937 Multiple PINS: Y

PIN Certainty: 2 Previous Activity ID(s): 1668

042040265

Related PINS: 042040265

Name: INDEPENDENT COAL AND LUMBER CO.

Address: MANN AVENUE, OTTAWA

Facility Type: Lumber and Building Materials, Wholesale

Comments 1: Coal Yard, Coal Piles and Bunker Railway also listed on Hurdman rd.

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: M.1900, M.1910, M.1920, M.1930, M.1940, M.1949, M.1950, M.1954, M.1957, M.1960, M.1970, M.1980;

FIP1901-key, Vol1; FIP1912-158-1121, Vol2; FIP1922-158-1121, Vol2; FIP1948-234-1121; FIP1956-234-2-1121, Vol2; FIP1956-2-1121, Vol2; FIP1956-2-1

HL References 2:

HL References 3:

NAICS	SIC
482113	453
412110	511
416310	563
482112	453
488210	453
416320	563
444110	563
454310	511
444120	563
483116	453
419120	511
444190	563
416340	563
482114	453

Company Name Year of Operation

CNR yards c. 1930-1940

Independent Coal and Lumber Co. c. 1940-1960

Canadian Northern Ontario Railway-Freight Sheds and Station c. 1920



1998

CITY OF OTTAWA

HLUI ID: __679CC7

AREA (Square Metres): 298.757

Report: RPTC_OT_DEV0122

Run On: 18 Oct 2019 at: 10:41:26

PIN Multi-NAIC Multiple Activities Y

Activity ID: 8339 Multiple PINS: N

PIN Certainty: 1 Previous Activity ID(s): 1786

Related PINS: 042040270

Name: MOBIN FOUNDATION

Address: 2 ROBINSON AVENUE, OTTAWA

Facility Type: Motor Vehicle Repair Shops

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

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

HL References 2:

HL References 3: 2005 Property Assessment

NAICS	SIC
811199	0
811112	0
811111	0
811119	0
811121	635
811112	635
811121	0
811119	635

Company Name Year of Operation

Mahoney and Rich Garage c. 1940

MOBIN FOUNDATION c. 2005



Area #10 Activity Numbers



Report:

RPTC_OT_DEV0122

Run On:

18 Oct 2019 at: 10:43:17

HLUI ID: __679FUU

AREA (Square Metres): 1771.613

Study Year PIN **Multi-NAIC Multiple Activities** 042040263 1998

2704 Υ **Activity ID:** Multiple PINS:

PIN Certainty: Previous Activity ID(s): 1672

Related PINS: 042040242

Name: CITIES SERVICE OIL CO. LIMITED

Address: MANN AVENUE, OTTAWA

Facility Type: Railway Transport and Related Service Industries

Comments 1: Two (2) electric pump houses. FIP1948-located at 20 Mann ave.

Comments 2:

Generator Number:

Storage Tanks: Six (6) gasoline USTs, three (3) of which are noted as 15 000 Gallons each. Three (3) fuel oil tanks, an oil

warehouse, and garage-FIP1949, FIP1956

HL References 1: M.1900, M.1910, M.1920, M.1930, M.1940, M.1950, M.1960, M.1970, M.1980; FIP1901-key, Vol1;

FIP1912-158-1121, Vol2; FIP1922-158-1121, Vol2; FIP1948-234-1121; FIP1956-234-2-1121, Vol2

HL References 2:

HL References 3:

NAICS	SIC
419120	511
811310	551
415190	551
454310	511
493190	479
415110	551
412110	511
415120	551
493130	479
493120	479
482114	453
483116	453
482113	453
488210	453
482112	453
811111	551

Year of Operation Company Name

Cities Service Oil Co. Ltd. c. 1930-1960



1998

CITY OF OTTAWA

HLUI ID: __679FUU

AREA (Square Metres): 1771.613

Report: RPTC_OT_DEV0122

Run On: 18 Oct 2019 at: 10:43:17

PIN Multi-NAIC Multiple Activities Y

Activity ID: 9785 Multiple PINS: Y

PIN Certainty: 2 Previous Activity ID(s): 3454

Related PINS: 041250012

Name: NEW YORK CENTRAL RAILWAY

Address: MANN AVENUE, OTTAWA

Facility Type: Machine Shop Industry

Comments 1: Round House and workshops, machine shop, oil house. Coal Pocket and Sand Blast east of Round

house -800-900 feet

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: M.1900, M.1910, M.1912, M.1920, M.1922, M.1930, M.1940, M.1949, M.1950, M.1954, M.1957; FIP1901-key, Vol1;

FIP1912-158-1121, Vol2;

HL References 2: FIP1912-158-1122,Vol2; FIP1922-158-1122,Vol2; FIP1922-158-1121,Vol2; FIP1948-234-1121;

FIP1956-234-2-1121,Vol2

HL References 3:

SIC
308
453
453
308
308
511
453
308
511
453
511
453

Company Name Year of Operation

New York Central Railway c. 1910-1956

Canadian National Railway c. 1912-1956



Report:

RPTC_OT_DEV0122

18 Oct 2019 at: 10:42:14

HLUI ID: __679GCN

AREA (Square Metres): 24022.668

Study Year PIN Multi-NAIC Multiple Activities
1998 042040268 Y Y

Activity ID: 2704 Multiple PINS: Y

PIN Certainty: 2 Previous Activity ID(s): 1672

Related PINS: 042040242

Name: CITIES SERVICE OIL CO. LIMITED

Address: MANN AVENUE, OTTAWA

Facility Type: Railway Transport and Related Service Industries

Comments 1: Two (2) electric pump houses. FIP1948-located at 20 Mann ave.

Comments 2:

Generator Number:

Storage Tanks: Six (6) gasoline USTs, three (3) of which are noted as 15 000 Gallons each. Three (3) fuel oil tanks, an oil

warehouse, and garage-FIP1949, FIP1956

HL References 1: M.1900, M.1910, M.1920, M.1930, M.1940, M.1950, M.1960, M.1970, M.1980; FIP1901-key, Vol1;

FIP1912-158-1121, Vol2; FIP1922-158-1121, Vol2; FIP1948-234-1121; FIP1956-234-2-1121, Vol2

HL References 2:

HL References 3:

NAICS	SIC
419120	511
811310	551
415190	551
454310	511
493190	479
415110	551
412110	511
415120	551
493130	479
493120	479
482114	453
483116	453
482113	453
488210	453
482112	453
811111	551

Company Name Year of Operation

Cities Service Oil Co. Ltd. c. 1930-1960



HLUI ID: __679GCN

Report: Run On: RPTC_OT_DEV0122

18 Oct 2019 at: 10:42:14

AREA (Square Metres): 24022.668

Study Year PIN **Multi-NAIC Multiple Activities** 042040268 1998

9785 Υ **Activity ID:** Multiple PINS:

2 **PIN Certainty:** 3454 Previous Activity ID(s):

Related PINS: 041250012

Name: **NEW YORK CENTRAL RAILWAY**

Address: MANN AVENUE, OTTAWA

Facility Type: Machine Shop Industry

Comments 1: Round House and workshops, machine shop, oil house. Coal Pocket and Sand Blast east of Round

house -800-900 feet

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: M.1900, M.1910, M.1912, M.1920, M.1922, M.1930, M.1940, M.1949, M.1950, M.1954, M.1957; FIP1901-key, Vol1;

FIP1912-158-1121, Vol2;

FIP1912-158-1122, Vol2; FIP1922-158-1122, Vol2, FIP1922-158-1121, Vol2; FIP1948-234-1121; HL References 2:

FIP1956-234-2-1121,Vol2

HL References 3:

SIC
308
453
453
308
308
511
453
308
511
453
511
453

Company Name Year of Operation

New York Central Railway c. 1910-1956

Canadian National Railway c. 1912-1956



Area #11 Activity Numbers



Report:

RPTC_OT_DEV0122

Run On:

18 Oct 2019 at: 11:52:57

HLUI ID: __679F3L

AREA (Square Metres): 2215.336

Study YearPINMulti-NAICMultiple Activities1998042040245YN

Activity ID: 2633 Multiple PINS: N

PIN Certainty: 1 Previous Activity ID(s): 4329

Related PINS: 042040245

Name: CENTRAL HEATING PLANT

Address: 758 CHAPEL CRESCENT, OTTAWA

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

Comments 1: FIP1922 - street did not exist, it was farmland Mights does not have a listing for this building (1954 -

1957) - coal storage

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: M.1922, M.1948, M.1954, M.1956, M.1957; FIP1922-163-1153A,vol2; FIP1948-235-1153A, FIP1956-235-1-1153A

HL References 2:

HL References 3:

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

Company Name Year of Operation

Central Heating Plant c. 1956



Area #12 Activity Numbers



Report:

RPTC_OT_DEV0122

Run On:

18 Oct 2019 at: 11:56:22

HLUI ID: __679GCV

AREA (Square Metres): 24654.022

Study YearPINMulti-NAICMultiple Activities1998042070134YN

Υ

Activity ID: 8227 Multiple PINS:

PIN Certainty: 2 Previous Activity ID(s): 5129

Related PINS: 042070134

Name: MANUFACTURERS PRODUCTS LIMITED

Address: HURDMAN ROAD, OTTAWA

Facility Type: Other Storage and Warehousing Industries

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: M.1955; FIP1901,vol2; FIP1912-163-1153,vol2; FIP1922-163-1153,vol2; FIP1948-234-1153,vol2;

FIP1956-234-4-1153,vol2.

HL References 2:

HL References 3:

NAICS	SIC
444190	563
493120	479
493190	479
416310	563
416340	563
416320	563
444120	563
493130	479
444110	563

Company Name Year of Operation

Manufacturers Products Ltd. c. 1956



Area #13 Activity Numbers



Report:

RPTC_OT_DEV0122

HLUI ID: __679EGA

Run On:

18 Oct 2019 at: 11:57:33

AREA (Square Metres): 1046.854

Study YearPINMulti-NAICMultiple Activities1998042070351YY

Activity ID: 11669 Multiple PINS: N

PIN Certainty: 2 Previous Activity ID(s): 5572

Related PINS: 042070351

Name: RIDEAU SUPPLY CO.

Address: HURDMAN ROAD, OTTAWA

Facility Type: Lumber and Building Materials, Wholesale

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
444110	563
321112	251
416320	563
321111	251
321920	251
416340	563
444120	563
416310	563
321919	251
444190	563

Company Name Year of Operation

Rideau Supply Co. c. 1930



HLUI ID: __679EGA

AREA (Square Metres): 1046.854

Report:

18 Oct 2019 at: 11:57:33

RPTC_OT_DEV0122

Run On:

PIN **Study Year Multi-NAIC Multiple Activities** 042070351 1998

7030 Ν **Activity ID:** Multiple PINS:

2 5082 **PIN Certainty:** Previous Activity ID(s):

Related PINS: 042070351

Name: IDEAL ROOFING CO.

Address: 3 HURDMAN ROAD, OTTAWA

Facility Type: Exterior Close In Work

Comments 1: M. 1948 - also lists as sheet metal roofers

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: M.1900, M.1910, M.1920, M.1930, M.1940, M.1950; FIP1901,vol2; FIP1912-163-1153,vol2; FIP1922-163-1153,vol2;

FIP1948-234-1153

HL References 2:

HL References 3:

NAICS	SIC
238140	423
238310	423
238220	424
238150	423
238160	423

Company Name Year of Operation

Ideal Roofing Co. c. 1940-1956



HLUI ID: __679EGA

Report: RPTC_OT_DEV0122

Run On: 18 Oct 2019 at: 11:57:33

AREA (Square Metres): 1046.854

Study YearPINMulti-NAICMultiple Activities1998042070351YY

Activity ID: 8227 Multiple PINS: Y

PIN Certainty: 2 Previous Activity ID(s): 5129

Related PINS: 042070134

Name: MANUFACTURERS PRODUCTS LIMITED

Address: HURDMAN ROAD, OTTAWA

Facility Type: Other Storage and Warehousing Industries

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: M.1955; FIP1901,vol2; FIP1912-163-1153,vol2; FIP1922-163-1153,vol2; FIP1948-234-1153,vol2;

FIP1956-234-4-1153,vol2.

HL References 2:

HL References 3:

NAICS	SIC
444190	563
493120	479
493190	479
416310	563
416340	563
416320	563
444120	563
493130	479
444110	563

Company Name Year of Operation

Manufacturers Products Ltd. c. 1956



Area #14 Activity Numbers



Report: Run On: RPTC_OT_DEV0122

18 Oct 2019 at: 11:58:44

HLUI ID: __679G6I

AREA (Square Metres): 13246.110

Study YearPINMulti-NAICMultiple Activities1998042040249YN

Activity ID: 10589 Multiple PINS: N

PIN Certainty: 2 Previous Activity ID(s): 5722

Related PINS: 042040249

Name: OTTAWA GAS CO.

Address: LEES AVENUE, OTTAWA

Facility Type: Other Petroleum and Coal Products Industries

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: M.1900, M.1910, M.1920, M.1930, M.1940, M.1950, Intera-1988b

HL References 2: HL References 3:

NAICS SIC

221210 492 324121 369

Company Name Year of Operation

Ottawa Light, Heat and Power Co. Ltd.

Ottawa Gas Co. c. 1940



Area #15 Activity Numbers



Report:

RPTC_OT_DEV0122

Run On:

18 Oct 2019 at: 11:59:31

HLUI ID: __670IOR

AREA (Square Metres): 19997.739

Study Year PIN Multi-NAIC Multiple Activities
1998 042040227 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

 $ed.,\,1964-DND-MCE-NTS-31B/13-3rd\,\,ed.,\,1976-EMR-SMB-NTS-31B/13-4th\,\,ed.,\,1979-EMR-SMB-NTS-31B/13-5th\,\,ed.,\,1964-DND-MCE-NTS-31B/13-3rd\,\,ed.,\,1976-EMR-SMB-NTS-31B/13-4th\,\,ed.,\,1979-EMR-SMB-NTS-31B/13-5th\,\,ed.,$

ed.

HL References 3:

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

MAP Report Ver: 1 Page 1 of 3



HLUI ID: __670IOR

AREA (Square Metres): 19997.739

Report:

RPTC_OT_DEV0122

Run On: 18 Oct 2019 at: 11:59:31

PIN Multi-NAIC Multiple Activities 042040227 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

MAP Report Ver: 1 Page 2 of 3



HLUI ID: __670IOR

AREA (Square Metres): 19997.739

Report:

RPTC_OT_DEV0122

Run On:

18 Oct 2019 at: 11:59:31

Study Year 1998 **PIN** 042040227

Multi-NAIC

Multiple Activities

Unnamed Waste Disposal Site

c. 1966

MAP Report Ver: 1 Page 3 of 3



Historical Land Use Inventory

Area #16 Activity Numbers



Report:

RPTC_OT_DEV0122

Run On:

18 Oct 2019 at: 12:00:18

HLUI ID: __679G96

AREA (Square Metres): 18602.177

Study Year PIN Multi-NAIC Multiple Activities
1998 042040233 Y Y

Activity ID: 10591 Multiple PINS: Y

PIN Certainty: 2 Previous Activity ID(s): 2928

Related PINS: 042040233

Name: OTTAWA GAS LIMITED

Address: 175 LEES AVENUE, OTTAWA

Facility Type: Refined Petroleum Products Industries

Comments 1: Formerly a coal gas plant. The site is known to have coal tar contamination. There was an underground

ammonia well sparator, ammonia liquor well, underground tar separator, and a tar well.

Comments 2: Exhaust house: purifying/condenser/boiler/water/gas,coal shed & piles,machine shop,lab,steel storage,

and transformer room. This site is bounded by the train tracks to the east.

Generator Number:

Storage Tanks: 1 AST- 9.35 m gal., 1 AST- 511,000 gal., 2 AST - gas (not there in 1922, 1948), 2 UST - oil, 1 UST - lime

HL References 1: M.1948, M.1960, M.1963, M.1970, M.1980; FIP1901,vol2; FIP1912,vol2; FIP1922-259-1247; FIP1948-234-1247,

Gloucester Roots -1991, Intera-1988b

HL References 2:

HL References 3:

NAICS	SIC
454310	511
324110	361
324190	361
419120	511
221210	492
412110	511

Company Name Year of Operation

Ottawa Gas Ltd. c. 1912-1960

MAP Report Ver: 1 Page 1 of 3



HLUI ID: __679G96

__6/9696

Report: Run On: RPTC_OT_DEV0122

: 18 Oct 2019 at: 12:00:18

AREA (Square Metres): 18602.177

Study YearPINMulti-NAICMultiple Activities1998042040233YY

Activity ID: 11973 Multiple PINS: N

PIN Certainty: 1 Previous Activity ID(s): 6855

Related PINS: 042040233

Name: REGIONAL MUNICIPALITY OF OTTAWA-CARLETON

Address: LEES AVENUE, OTTAWA

Facility Type: Other Petroleum and Coal Products Industries

Comments 1: Groundwater contaminated with coal tar. Generator #ON0303104 (waste generator)

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: PID1994

HL References 2:

HL References 3:

NAICS SIC
221310 493
913910 835
324121 369

Company Name Year of Operation

Regional Municipality of Ottawa-Carleton c. 1994

MAP Report Ver: 1 Page 2 of 3



Study Year

1998

CITY OF OTTAWA

HLUI ID: __679G96

AREA (Square Metres): 18602.177

Report: RPTC_OT_DEV0122

Run On: 18 Oct 2019 at: 12:00:18

PIN Multi-NAIC Multiple Activities
042040233 Y Y

Activity ID: 3631 Multiple PINS: N

PIN Certainty: 1 Previous Activity ID(s):

Related PINS: 042040233

Name: CITY OF OTTAWA

Address: 191 LEES AVENUE, OTTAWA

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

Comments 1: LEES AVENUE TRANSIT STATION

Comments 2:

Generator Number: ON0303104

Storage Tanks: HL References 1: HL References 2:

HL References 3: 2003 PID

NAICS SIC 221320 0

Company Name Year of Operation

CITY OF OTTAWA c. 2003

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Historical Land Use Inventory

Area #17 Activity Numbers



Report: Run On: RPTC_OT_DEV0122

18 Oct 2019 at: 12:03:07

HLUI ID: __679G5A

AREA (Square Metres): 12987.045

Study Year PIN Multi-NAIC Multiple Activities
1998 042040235 Y Y

Activity ID: 10591 Multiple PINS: Y

PIN Certainty: 2 Previous Activity ID(s): 2928

Related PINS: 042040233

Name: OTTAWA GAS LIMITED

Address: 175 LEES AVENUE, OTTAWA

Facility Type: Refined Petroleum Products Industries

Comments 1: Formerly a coal gas plant. The site is known to have coal tar contamination. There was an underground

ammonia well sparator, ammonia liquor well, underground tar separator, and a tar well.

Comments 2: Exhaust house: purifying/condenser/boiler/water/gas,coal shed & piles,machine shop,lab,steel storage,

and transformer room. This site is bounded by the train tracks to the east.

Generator Number:

Storage Tanks: 1 AST- 9.35 m gal., 1 AST- 511,000 gal., 2 AST - gas (not there in 1922, 1948), 2 UST - oil, 1 UST - lime

HL References 1: M.1948, M.1960, M.1963, M.1970, M.1980; FIP1901,vol2; FIP1912,vol2; FIP1922-259-1247; FIP1948-234-1247,

Gloucester Roots -1991, Intera-1988b

HL References 2:

HL References 3:

NAICS	SIC
454310	511
324110	361
324190	361
419120	511
221210	492
412110	511

Company Name Year of Operation

Ottawa Gas Ltd. c. 1912-1960

MAP Report Ver: 1 Page 1 of 2



HLUI ID: __679G5A

Report:

RPTC_OT_DEV0122

Run On:

18 Oct 2019 at: 12:03:07

AREA (Square Metres): 12987.045

Study Year PIN Multi-NAIC Multiple Activities
1998 042040235 Y Wulti-NAIC Y

Activity ID: 740 Multiple PINS: Y

PIN Certainty: 2 Previous Activity ID(s): 2748, 2750, 4253

Related PINS: 042040232

Name: D. & D. GARAGE REG'D

Address: 230 HAWTHORNE AVENUE, OTTAWA

Facility Type: Motor Vehicle Repair Shops

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: M.1900, M.1910, M.1920, M.1930, M.1940, M.1950, M.1960, M.1970, M.1980

HL References 2: HL References 3:

NAICS SIC 811121 635 811112 635 811119 635

Company Name Year of Operation

Ben's Auto Service c. 1950

Rick's Garage c. 1960

D. & D. Garage Reg'd c. 1960

MAP Report Ver: 1 Page 2 of 2



Historical Land Use Inventory

Area #18 Activity Numbers



Report:

RPTC_OT_DEV0122

18 Oct 2019 at: 12:04:01

HLUI ID: __670IU3

AREA (Square Metres): 192814.843

Study YearPINMulti-NAICMultiple Activities1998042040232YY

Activity ID: 14538 Multiple PINS: Y

PIN Certainty: 1 Previous Activity ID(s): 7070

Related PINS: 152300000

Name: UNNAMED WASTE DISPOSAL SITE

Address: LEES AVENUE, OTTAWA

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

Comments 1: Listed as a former landfill site, the years of operation and closure are unknown. Lot 6, Consession D

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: Intera-1988a

HL References 2: HL References 3:

NAICS SIC 221320 499 562920 499

 562920
 499

 562210
 499

 221330
 499

 562990
 499

Company Name Year of Operation

Unnamed Waste Disposal Site c. 1988

MAP Report Ver: 1 Page 1 of 3



RPTC_OT_DEV0122

HLUI ID: __670IU3

Run On:

Report:

18 Oct 2019 at: 12:04:01

AREA (Square Metres): 192814.843

Study YearPINMulti-NAICMultiple Activities1998042040232YY

Activity ID: 740 Multiple PINS: Y

PIN Certainty: 2 Previous Activity ID(s): 2748, 2750, 4253

Related PINS: 042040232

Name: D. & D. GARAGE REG'D

Address: 230 HAWTHORNE AVENUE, OTTAWA

Facility Type: Motor Vehicle Repair Shops

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: M.1900, M.1910, M.1920, M.1930, M.1940, M.1950, M.1960, M.1970, M.1980

HL References 2: HL References 3:

NAICS SIC 811121 635 811112 635 811119 635

Company Name Year of Operation

Ben's Auto Service c. 1950

Rick's Garage c. 1960

D. & D. Garage Reg'd c. 1960

MAP Report Ver: 1 Page 2 of 3



Report:

RPTC_OT_DEV0122

HLUI ID: __670IU3

Run On: 18 Oct 2019 at: 12:04:01

AREA (Square Metres): 192814.843

Study Year PIN **Multi-NAIC Multiple Activities** 042040232 1998

9785 Υ **Activity ID:** Multiple PINS:

2 **PIN Certainty:** 3454 Previous Activity ID(s):

Related PINS: 041250012

Name: **NEW YORK CENTRAL RAILWAY**

Address: MANN AVENUE, OTTAWA

Facility Type: Machine Shop Industry

Comments 1: Round House and workshops, machine shop, oil house. Coal Pocket and Sand Blast east of Round

house -800-900 feet

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: M.1900, M.1910, M.1912, M.1920, M.1922, M.1930, M.1940, M.1949, M.1950, M.1954, M.1957; FIP1901-key, Vol1;

FIP1912-158-1121, Vol2;

FIP1912-158-1122, Vol2; FIP1922-158-1122, Vol2, FIP1922-158-1121, Vol2; FIP1948-234-1121; HL References 2:

FIP1956-234-2-1121,Vol2

HL References 3:

SIC
308
453
453
308
308
511
453
308
511
453
511
453

Company Name Year of Operation

New York Central Railway c. 1910-1956

Canadian National Railway c. 1912-1956

MAP Report Ver: 1 Page 3 of 3

Well ID

Well ID Number: 7193539 Well Audit Number: *Z154383* Well Tag Number: *A136985*

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

Well Location

Address of Well Location	1 ROBINSON AVENUE
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: 447456.00 Northing: 5029621.00
Municipal Plan and Sublot Number	
Other	

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
BRWN	LOAM	DRY	SOFT	0 m	.61 m
BRWN	SAND	DRY	SOFT	.61 m	1.83 m

BRWN	FSND	CLAY	HARD	1.83 m	3.66 m
BRWN	MSND	HARD	WBRG	3.66 m	6.1 m

Annular Space/Abandonment Sealing Record

Depth From	-	Type of Sealant Used (Material and Type)	Volume Placed
91 m	0 m	STICKUP/MONUMEN	T
0 m	2.74 m	BENSEAL	
2.74 m	6.1 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	Open Hole or material	Depth	Depth
Diameter		From	To
5.2 cm	PLASTIC	0 m	3.1 m

Construction Record - Screen

Outside Material Depth Depth From To 6.03 cm PLASTIC 3.1 m 6.1 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	6.1 m	10.92 cm

Well ID

Well ID Number: 7193506 Well Audit Number: *Z163333* Well Tag Number: *A136979*

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

Well Location

Address of Well Location	1 ROBINSON AVE.
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: 447473.00 Northing: 5029603.00
Municipal Plan and Sublot Number	
Other	

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
BRWN	GRVL	SAND	SOFT	0 m	.61 m
BRWN	SAND	GRVL	SOFT	.61 m	2.74 m

BLCK	SAND	SILT	SOFT	2.74 m 4.88 m
GREY	GRVL	SAND	DNSE	4.88 m 6.71 m
BLCK	GRVL	SAND	DNSE	6.71 m 7.62 m

Annular Space/Abandonment Sealing Record

		Type of Sealant Used (Material and Type)	Volume Placed
0 m	.31 m	CONCRETE/FLUSHMOUNT	,
.31 m	4.27 m	BENONITE	
4.27 m	7.62 m	FILTER SAND	

Method of Construction & Well Use

Method of Construction	Well Use
Boring	
	Monitoring and Test Hole

Status of Well

Observation Wells

Construction Record - Casing

Inside	Open Hole or material	Depth	Depth
Diameter		From	To
5.2 cm	PLASTIC	0 m	4.57 m

Construction Record - Screen

Outside Diameter Material Depth From To
6.03 cm PLASTIC 4.57 m 7.62 m

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7241

Results of Well Yield Testing

After test of well yield, water was
If pumping discontinued, give reason
Pump intake set at

Pumping Rate	
Duration of Pumping	
Final water level	
If flowing give rate	
Recommended pump depth	
Recommended pump rate	
Well Production	
Disinfected?	

Draw Down & Recovery

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

Water Details

Water Found at Depth Kind

Hole Diameter

Depth From	-	Diameter
0 m	7.62 m	10.62 cm

Well ID

Well ID Number: 7193505 Well Audit Number: *Z163334* Well Tag Number: *A136980*

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

Well Location

Address of Well Location	1 ROBINSON AVENUE
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: 447473.00 Northing: 5029603.00
Municipal Plan and Sublot Number	
Other	

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
BRWN	SAND	GRVL	SOFT	0 m	.91 m
BRWN	SAND	SILT	SOFT	.91 m	2.13 m

GREY GRVL

SAND

DNSE

2.13 m 4.57 m

Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed
0 m	.31 m	CONCRETE, MONUMEN	VT
.31 m	1.22 m	BENTONITE	
1.22 m	4.57 m	FILTER SAND	

Method of Construction & Well Use

Method of Construction	Well Use
Boring	
	Monitoring and Test Hole

Status of Well

Monitoring and Test Hole

Construction Record - Casing

Inside	Open Hole or material	Depth	Depth	
Diameter		From	To	
5.2 cm	PLASTIC	1 m	1.54 m	

Construction Record - Screen

Outside Diameter Material Depth From To
6.03 cm PLASTIC 1.54 m 4.57 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 To	Diameter
0 m	4.57 m	10.62 cm

Well ID

Well ID Number: 7193412 Well Audit Number: *Z154384* Well Tag Number: *A136986*

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

Well Location

Address of Well Location	1 ROBINSON AVE
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: 447473.00 Northing: 5029603.00
Municipal Plan and Sublot Number	
Other	_

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
BRWN	LOAM	SOFT	DRY	0 m	.61 m
BRWN	SAND		SOFT	.61 m	1.83 m

BRWN	SAND	HARD	DRY	1.83 m	3.66 m
BRWN	FSND	SILT	HARD	3.66 m	4.57 m
BRWN	SAND	CLAY	HARD	4.57 m	6.1 m

Annular Space/Abandonment Sealing Record

Depth From		Type of Sealant Used (Material and Type)	Volume Placed
91 m	0 m	STICKUP/MONUMEN	T
0 m	2.74 m	BENSEAL	
2.74 m	6.1 m	SAND	

Method of Construction & Well Use

Method of Construction	Well Use
Rotary (Convent.)	
	Monitoring and Test Hole

Status of Well

Test Hole

Construction Record - Casing

Inside	Open Hole or material	Depth	Depth
Diameter		From	To
5.2 cm	PLASTIC	0 m	3.1 m

Construction Record - Screen

Outside Material Depth Depth From To 6.03 cm PLASTIC 3.1 m 6.1 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	6.1 m	10.92 cm

Well ID

Well ID Number: 7193538 Well Audit Number: *Z163335* Well Tag Number: *A136981*

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

Well Location

Address of Well Location	1 ROBINSON AVE.
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: 447473.00 Northing: 5029603.00
Municipal Plan and Sublot Number	
Other	_

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
BRWN	SAND	GRVL	LOOS	0 m	.61 m
BRWN	SAND	SILT	SOFT	.61 m	3.38 m

GREY	SAND	SILT	SOFT	3.38 m	4.88 m
GREY	GRVL	SAND	DNSE	4.88 m	6.4 m

Annular Space/Abandonment Sealing Record

Depth From	-	Type of Sealant Used (Material and Type)	Volume Placed
0 m	.31 m	MONUMENT/ CONCRE	TE
.31 m	3.1 m	BENTONITE	
3.1 m	6.4 m	FILTER SAND	

Method of Construction & Well Use

Method of Construction	Well Use
Boring	
	Monitoring and Test Hole

Status of Well

Monitoring and Test Hole

Construction Record - Casing

Inside	Open Hole or material	Depth	Depth
Diameter		From	To
5.2 cm	PLASTIC	-1 m	3.35 m

Construction Record - Screen

Outside Material Depth From To
6.03 cm PLASTIC 3.35 m 6.4 m

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7241

Results of Well Yield Testing

After test of well yield, water was
If pumping discontinued, give reason
Pump intake set at
Pumping Rate

Duration of Pumping
Final water level
If flowing give rate
Recommended pump depth
Recommended pump rate
Well Production
Disinfected?

Draw Down & Recovery

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

Water Details

Water Found at Depth Kind

Hole Diameter

Depth From	Depth To	Diameter
0 m	6.4 m	10.62 cm

Well ID

Well ID Number: 7193507 Well Audit Number: *Z163332* Well Tag Number: *A136978*

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

Well Location

Address of Well Location	1 ROBINSON AVE.
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: 447473.00 Northing: 5029603.00
Municipal Plan and Sublot Number	
Other	

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
BRWN	SAND		SOFT	0 m	.91 m
BRWN	SAND	SILT	SOFT	.91 m	2.44 m

BLCK SAND GRVL DNSE 2.44 m 4.27 m GREY GRVL SAND DNSE 4.27 m 6.1 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	,
		FILTER SAND	
		BENTONITE	

Method of Construction & Well Use

Method of Construction	Well Use		
Boring			
	Monitoring and Test Hole		

Status of Well

Test Hole

Construction Record - Casing

Inside	Open Hole or material	Depth	Depth
Diameter		From	To
5.2 cm	PLASTIC	-1 m	2.74 m

Construction Record - Screen

Outside Diameter Material Depth Depth From To

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	6.1 m	10.82 cm	

Well ID

Well ID Number: 7193508 Well Audit Number: *Z163336* Well Tag Number: *A136982*

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

Well Location

Address of Well Location	1 ROBINSON AVE.
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: 447473.00 Northing: 5029603.00
Municipal Plan and Sublot Number	_
Other	_

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
BRWN	SAND	GRVL	SOFT	0 m	.61 m
BRWN	SAND	SILT	SOFT	.61 m	2.44 m

BLCK SAND GRVL DNSE 2.44 m 4.27 m GREY GRVL SAND DNSE 4.27 m 6.1 m

Annular Space/Abandonment Sealing Record

		Type of Sealant Used (Material and Type)	Volume Placed
0 m	.31 m	CONCRETE/MONUMENT	
.31 m	2.74 m	BENTONITE	
2.74 m	6.1 m	FILTER SAND	

Method of Construction & Well Use

Method of Construction	Well Use
Boring	
	Monitoring and Test Hole

Status of Well

Observation Wells

Construction Record - Casing

Inside	Open Hole or material	Depth	Depth
Diameter		From	To
5.2 cm	PLASTIC	-1 m	3.1 m

Construction Record - Screen

Outside Diameter Material Depth Depth From To 6.03 cm PLASTIC 3.1 m 6.1 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	6.1 m	10.62 cm

Well ID

Well ID Number: 7193411 Well Audit Number: *Z154385* Well Tag Number: *A136984*

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

Well Location

Address of Well Location	1 ROBINSON AVE
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: 447494.00 Northing: 5029610.00
Municipal Plan and Sublot Number	
Other	

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
BRWN	LOAM	SOFT	DRY	0 m	.61 m
BRWN	SAND		SOFT	.61 m	1.5 m

BRWN SAND CLAY HARD 1.5 m 3.1 m BRWN SAND CLAY HARD 3.1 m 4.57 m

Annular Space/Abandonment Sealing Record

-	Depth To	Type of Sealant Used (Material and Type)	Volume Placed
91 m	0 m	STICKUP/MONUMEN	T
0 m	1.22 m	BENSEAL	
1.22 m	4.57 m	SAND	

Method of Construction & Well Use

Method of Construction	Well Use
Rotary (Convent.)	
	Monitoring and Test Hole

Status of Well

Observation Wells

Construction Record - Casing

Inside	Open Hole or material	Depth	Depth
Diameter		From	To
5.2 cm	PLASTIC	0 m	1.5 m

Construction Record - Screen

Outside Diameter Material Depth Depth From To 6.03 cm PLASTIC 1.5 m 4.57 m

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7241

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	-	Diameter
0 m	4.57 m	10.92 cm

Well ID

Well ID Number: 7193540 Well Audit Number: *Z154386* Well Tag Number: *A136983*

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

Well Location

Address of Well Location	1 ROBINSON AVE.
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: 447490.00 Northing: 5029623.00
Municipal Plan and Sublot Number	_
Other	

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
BRWN	LOAM	SOFT	DRY	0 m	.61 m
BRWN	SAND	SOFT	DRY	.61 m	1.83 m

BRWN	FSND	STNS	HARD	1.83 m	3.66 m
BRWN	MSND	STNS	HARD	3.66 m	4.57 m
BRWN	MSND		HARD	4.57 m	6.1 m

Depth From		Type of Sealant Used (Material and Type)	Volume Placed
91 m	0 m	STICKUP/ MONUMEN	T
0 m	2.74 m	BENSEAL	
2.74 m	6.1 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	Open Hole or material	Depth	Depth
Diameter		From	To
5.2 cm	PLASTIC	0 m	3.1 m

Construction Record - Screen

Outside Diameter Material Depth Depth From To 6.03 cm PLASTIC 3.1 m 6.1 m

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7241

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	6.1 m	10.92 cm

Well ID

Well ID Number: 7251494 Well Audit Number: *Z82652* Well Tag Number: *A145285*

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

Well Location

Address of Well Location	1 ROBINSON ROAD
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: 447532.00 Northing: 5029569.00
Municipal Plan and Sublot Number	
Other	

General Colour Most Common Material	Other Materials	General Description	Depth From	Depth To	_
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Depth From	Depth To	Type of Sealant Used (Material and Type)	
0 ft	7.38 ft	HOLEPLUG	

Method of Construction & Well Use

Method of Construction Well Use

Status of Well

Abandoned-Other

Construction Record - Casing

l inen Hale ar material	epth Depth rom To
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Construction Record - Screen

Outside Diameter Material Depth Depth From To

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 6894

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
6.1 ft	Untested

Hole Diameter

Depth From	-	Diameter
rrom	10	

Audit Number: Z82652

Date Well Completed:

Well ID

Well ID Number: 7201661 Well Audit Number: *Z168577* Well Tag Number: *A136982*

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

Well Location

Address of Well Location	1 ROBINSON AVE
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: 447546.00 Northing: 5029584.00
Municipal Plan and Sublot Number	
Other	

General Colour Most Common Material	Other Materials	General Description	Depth From	Depth To	_
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Depth	Depth	Type of Sealant Used (Material and Type)	Volume
From	To		Placed
0 m		BENTONITE	

Method of Construction & Well Use

Method of Construction	Well Use
Other Method	
HAND PULLED	Monitoring and Test Hole

Status of Well

Abandoned-Other

Construction Record - Casing

Inside	Open Hole or material	Depth	Depth
Diameter		From	To
5.2 cm	PLASTIC	0 m	2.74 m

Construction Record - Screen

Outside Diameter Material Depth From To
6.03 cm PLASTIC 2.74 m 5.79 m

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7241

After test of well yield, water was
If pumping discontinued, give reasor
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	_ •	Diameter
0 m	5.79 m	6.03 cm

Audit Number: Z168577

Date Well Completed: April 15, 2013

Well ID

Well ID Number: 7201662 Well Audit Number: *Z168578* Well Tag Number: *A136984*

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

Well Location

Address of Well Location	1 ROBINSON AVE
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: 447545.00 Northing: 5029589.00
Municipal Plan and Sublot Number	
Other	

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
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		Type of Sealant Used (Material and Type)	
0 m	1.83 m	BENTONITE	
1.83 m	6.1 m	GROUT SLURRY	

Method of Construction & Well Use

Method of Construction	Well Use
Rotary (Convent.)	
	Monitoring and Test Hole

Status of Well

Abandoned-Other

Construction Record - Casing

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

Construction Record - Screen

Outside Material Depth Depth From To 6.03 cm PLASTIC

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7241

After test of well yield, water was	
If pumping discontinued, give rea	son
Pump intake set at	
Pumping Rate	
Duration of Pumping	
Final water level	
If flowing give rate	

Recommended pump depth

Recommended pu	ımp rate	е
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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	-	Diameter
0 m	1.83 m	10.92 cm
1.83 m	6.1 m	5.2 cm

Audit Number: Z168578

Well ID

Well ID Number: 7201660 Well Audit Number: *Z168579* Well Tag Number: *A136980*

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

Well Location

Address of Well Location	1 ROBINSON AVE
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: 447545.00 Northing: 5029589.00
Municipal Plan and Sublot Number	
Other	

General Colour Most Common Material	Other Materials	General Description	Depth From	Depth To	_
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-	-	Type of Sealant Used (Material and Type)	
0 m	.31 m	TOPSOIL	
.31 m	1.83 m	BENSEAL	
1.83 m	7.92 m	GROUT SLURRY	

Method of Construction & Well Use

|--|

Monitoring and Test Hole

Status of Well

Abandoned-Other

Construction Record - Casing

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

Construction Record - Screen

Outside Diameter Material Depth Depth From To 6.03 cm

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7241

After test	t of well yield, water was
If pumpi	ng discontinued, give reason
Pump int	take set at
Pumping	Rate
Duration	of Pumping
Final wat	ter level

TC	C	•	•	4
Ιŧ	Ħ	owing	give	rate

Recommended p	oump (depth
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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	-	Diameter
0 m	1.83 m	11.43 cm

Well ID

Well ID Number: 7201659 Well Audit Number: *Z168583* Well Tag Number: *A145287*

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

Well Location

Address of Well Location	1 ROBINSON RD
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: 447559.00 Northing: 5029609.00
Municipal Plan and Sublot Number	
Other	_

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
BRWN	CSND		LOOS	0 m	3.1 m
BRWN	FSND		HARD	3.1 m	6.71 m

8/1/2019

BRWN TILL

HARD

6.71 m 7.62 m

Annular Space/Abandonment Sealing Record

		Type of Sealant Used (Material and Type)	
0 m	4.27 m	BENSEAL	
4.27 m	7.62 m	SAND	

Method of Construction & Well Use

Method of Construction	Well Use		
Boring			
	Monitoring and Test Hole		

Status of Well

Test Hole

Construction Record - Casing

Inside	Open Hole or material	Depth	Depth
Diameter		From	To
5.2 cm	PLASTIC	0 m	4.57 m

Construction Record - Screen

Outside Diameter Material Depth Depth From To 6.03 cm PLASTIC 4.57 m 7.62 m

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7241

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		Diameter
0 m	7.62 m	10.92 cm

Well ID

Well ID Number: 7251492 Well Audit Number: *Z82653* Well Tag Number: *A145285*

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

Well Location

Address of Well Location	1 ROBINSON ROAD
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: 447556.00 Northing: 5029608.00
Municipal Plan and Sublot Number	
Other	

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To	
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Depth From	Depth To	Type of Sealant Used (Material and Type)	
0 ft	7.38 ft	HOLEPLUG	

Method of Construction & Well Use

Method of Construction Well Use

Status of Well

Construction Record - Casing

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

Construction Record - Screen

Outside Diameter Material Depth Depth From To

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 6894

Results of Well Yield Testing

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

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	Depth	Diameter
From	To	Diameter

Audit Number: Z82653

Date Well Completed:

Date Well Record Received by MOE: November 04, 2015

Well ID

Well ID Number: 7201656 Well Audit Number: *Z168582* Well Tag Number: *A145285*

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

Well Location

Address of Well Location	1 ROBINSON AVE
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: 447569.00 Northing: 5029574.00
Municipal Plan and Sublot Number	
Other	_

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
BRWN	CSND		LOOS	0 m	3.1 m
BRWN	FSND		HARD	3.1 m	6.71 m

8/1/2019

BRWN TILL

HARD

6.71 m 7.62 m

Annular Space/Abandonment Sealing Record

-	-	Type of Sealant Used (Material and Type)	
0 m	4.27 m	BENSEAL	
4.27 m	7.62 m		

Method of Construction & Well Use

Method of Construction	Well Use		
Boring			
	Monitoring and Test Hole		

Status of Well

Test Hole

Construction Record - Casing

Inside	Open Hole or material	Depth	Depth
Diameter		From	To
5.2 cm	PLASTIC	0 m	4.57 m

Construction Record - Screen

Outside Diameter Material Depth From To
6.03 cm PLASTIC 4.57 m 7.62 m

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7241

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		Diameter
0 m	7.62 m	10.92 cm

Well ID

Well ID Number: 7201657 Well Audit Number: *Z168580* Well Tag Number: *A145286*

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

Well Location

Address of Well Location	1 ROBINSON AVE
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: 447585.00 Northing: 5029583.00
Municipal Plan and Sublot Number	_
Other	

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
BRWN	CSND		LOOS	0 m	3.1 m
BRWN	FSND		HARD	3.1 m	6.71 m

8/1/2019

BRWN TILL

HARD

6.71 m 8.53 m

Annular Space/Abandonment Sealing Record

_	Depth To	Type of Sealant Used (Material and Type)	Volume Placed
0 m	5.18 m	BENSEAL	
5.18 m	8.53 m	SAND	

Method of Construction & Well Use

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

Monitoring and Test Hole

Status of Well

Test Hole

Construction Record - Casing

Inside	Open Hole or material	Depth	Depth
Diameter		From	To
5.2 cm	PLASTIC	0 m	5.49 m

Construction Record - Screen

Outside Diameter Material Depth From To 6.03 cm PLASTIC 5.49 m 8.53 m

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7241

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	-	Diameter
0 m	8.53 m	10.92 cm

Well ID

Well ID Number: 7211118 Well Audit Number: *Z096875* Well Tag Number: *A152323*

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

Well Location

Address of Well Location	1 ROBINSON
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: 447568.00 Northing: 5029547.00
Municipal Plan and Sublot Number	
Other	

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

Depth From	_	Type of Sealant Used (Material and Type)	
0 ft	7.65 ft	HOLEPLUG	

Method of Construction & Well Use

Method of Construction Well Use

Status of Well

Abandoned-Other

Construction Record - Casing

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

Construction Record - Screen

Outside Diameter Material Depth Depth From To

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 6894

After test of well yield, water was
If pumping discontinued, give reaso
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
6.05 ft	Untested

Hole Diameter

Depth From	-	Diameter
rrom	10	

Audit Number: Z096875

Date Well Completed:

Well ID

Well ID Number: 7201658 Well Audit Number: *Z168581* Well Tag Number: *A145284*

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

Well Location

Address of Well Location	1 ROBINSON AVE
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: 447546.00 Northing: 5029534.00
Municipal Plan and Sublot Number	_
Other	_

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
BRWN	SAND		LOOS	0 m	1.22 m
BRWN	CSND			1.22 m	3.1 m

BRWN	FSND		3.1 m	3.66 m
BRWN	FSND	HARD	3.66 m	6.71 m
BRWN	TILL	HARD	6.71 m	7.62 m

Depth From	-	Type of Sealant Used (Material and Type)	
0 m	4.27 m	BENSEAL	
4.27 m	7.62 m	SAND	

Method of Construction & Well Use

Method of Construction	Well Use		
Boring			
	Monitoring and Test Hole		

Status of Well

Test Hole

Construction Record - Casing

Inside	Open Hole or material	Depth	Depth
Diameter		From	To
5.2 cm	PLASTIC	0 m	4.57 m

Construction Record - Screen

Outside Diameter Material Depth From To
6.03 cm PLASTIC 4.57 m 7.62 m

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7241

After test of well	yield, water was
If pumping disco	ntinued, give reason
Pump intake set a	nt
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	-	Diameter
0 m	7.62 m	10.92 cm

Well ID

Well ID Number: 7293325 Well Audit Number: Z206428 Well Tag Number: A182470

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

Well Location

Address of Well Location	3 HURDMAN ROAD
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: 447527.00 Northing: 5029708.00
Municipal Plan and Sublot Number	
Other	_

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
BLCK	LOAM			0 m	.31 m
BRWN	SAND			.31 m	2.13 m

 BRWN
 CLAY
 SILT
 SNDY
 2.13 m
 4.27 m

 GREY
 CLAY
 SILT
 SNDY
 4.27 m
 6.1 m

Annular Space/Abandonment Sealing Record

		Type of Sealant Used (Material and Type)	Volume Placed
0 m	.31 m	FLUSHMOUNT/ CONCRETE	
.31 m	2.74 m	BENTONITE	
2.74 m	6.1 m	SAND	

Method of Construction & Well Use

Method of Construction	Well Use
Direct Push	Monitoring
	Test Hole

Status of Well

Monitoring and Test Hole

Construction Record - Casing

Inside	Open Hole or material	Depth	Depth
Diameter		From	To
5.2 cm	PLASTIC	0 m	3.1 m

Construction Record - Screen

Outside Diameter Material Depth Depth From To 6.03 cm PLASTIC 3.1 m 6.1 m

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7241

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	-	Diameter
0 m	6.1 m	11.4 cm

Go Back to Map

Well ID

Well ID Number: 7293326 Well Audit Number: *Z206427* Well Tag Number: *A182471*

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

Well Location

Address of Well Location	3 HURDMAN ROAD
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: 447593.00 Northing: 5029670.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
BLCK	LOAM			0 m	.31 m
BRWN	CLAY	SILT	SNDY	.31 m	3.1 m

GREY GRVL

SAND

SILT

3.1 m 4.88 m

Annular Space/Abandonment Sealing Record

_	_	Type of Sealant Used (Material and Type)	Volume Placed
0 m	.31 m	FLUSHMOUNT/ CONCRETE	,
.31 m	1.5 m	BENTONITE	
1.5 m	4.88 m	SAND	

Method of Construction & Well Use

Method of Construction	Well Use	
Direct Push	Monitoring	
	Test Hole	

Status of Well

Monitoring and Test Hole

Construction Record - Casing

Inside	Open Hole or material	Depth	Depth
Diameter		From	To
5.2 cm	PLASTIC	0 m	1.83 m

Construction Record - Screen

Outside Material Depth Depth From To 6.03 cm PLASTIC 1.83 m 4.88 m

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7241

After test of well yield, water was	
If pumping discontinued, give reason	n
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

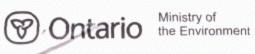
Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
45		45	
50		50	
60		60	

Water Details

Water Found at Depth Kind

Hole Diameter

Depth From	Depth To	Diameter
0 m	4.88 m	11.4 cm



Well Ta- No Adams Mall (Pleas Chicker and/or Print Below)

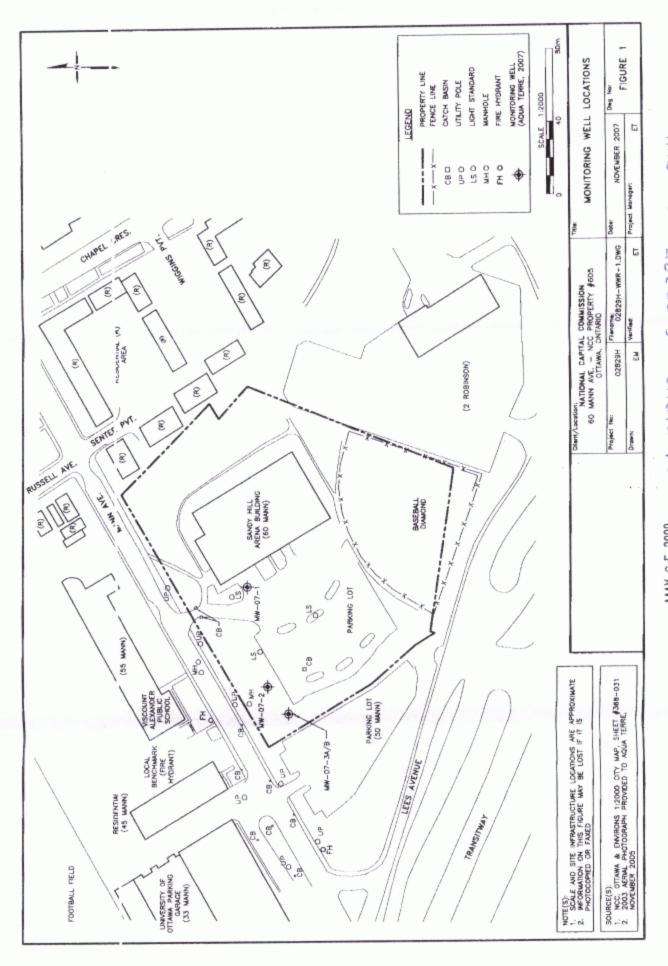
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Master Well Record for **Cluster Well Construction**

Regulation 903 Ontario Water Resources Act
Page _____ of _____

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10	N)	0					
county/Dis	Mann trict/Municipality	avenue	City/To	wn/Villag		Province Postal Code Ontario	,
JTM Coordi	1. 3.11			11	Model	Mode of Operation: Undifferentiated Averaged	1
NAD		ck Materials (see inst	The second secon	of this fo	J ()	Mult 3 Hole Details	
General Colour	Most Common Material	Other Materials	General Description		Metres)	Depth (Metres) Diameter From To (Centimetres)	
	Topsoil sunf			0	0.1	0 6.1 20 CM	
t. Brown	Sand fill	gravel	dry	al	1.8		
	Sand		fined, moist	1.8	2.8	and still in the same with the control	
Lt. Grey	Silt	Sand		2.8	3.1		
-1	Land		grained, moist	1	36	Water Use ☐ Public ☐ Industrial ☐ Not used ☐ Other, spe	ecify
Slock (J. Bri	C	spoon Sand		3.6	4.3	Domestic Commercial Dewatering Livestock Municipal Monitoring	
rey	Jandy Cl	ay		4.3	4.1	☐ Irrigation ☐ Test Hole ☐ Cooling & Air Conditioning	
				100		Method of Construction ☐ Cable Tool ☐ Air Percussion ☐ Digging	
						Rotary (Conventional) Diamond Transcription Diamond Di	
						Rotary (Air) Driving HSA Status of Well	
						☐ Abandoned, Insufficient Supply	
						Replacement Well Abandoned, Poor Water Quality Dewatering Well Other, specify	
						Alteration (Construction) Abandoned, other, specify	
					i de	No Casing and Screen Used Static Water Level Test Open Hole Yes No Metres	
Inside Diar	meter	Construction De Material	etails Wall	Depth	(Metres)	Screen	
(Centime)	21	tic, fibreglass, concrete, ş	School	From	To 4.5	Galvanized Steel Fibreglass Concrete CPlesti Outside Diameter (Centimetres) Slot No.	IC .
2.1	A TEE	FPVC	40	0	1.0	5,8 10	
		a sayang				Water found at Depth Kind of Water	linerale
170						Water found at Depth Kind of Water	
Denth Set	Annu at (Metres)	lar Space/Abandonme Type of Sealant	the same of the sa	Volum	e Used	Metres Gas Fresh Salty Sulphur M Water found at Depth Kind of Water	linerals
From	То	(Material and Ty		(Cubic	Metres)	Metres Gas Fresh Salty Sulphur M	
2 0		Sentonite		1	Kas	Disinfected Yes No If no, provide reason: Date Master Well Cor (yyyy/mm/dd)	mpleted
3.0	4.2 1	Sentonelè		10	fal	Moru toring (Well 2007) 09 Cluster Information (Please also fill out the additional Cluster W	Vell
						Information for Well Construction for each parcel of land and cli Total Wells in Cluster Please indicate Number of Cluster	ster Well
						Total Wells on this Property	ted
						Linknown Location of Well Cluster	
						Detailed Map must be provided as an attachment no larger than legit (8.5" x 14"). Sketches are not allowed.	al size
	process of the state of the sta		er company of			Check box to confirm detailed map is provided as per Section 11.	
						Consent to release additional information concerning the cluste the Director upon request	er to
		ntractor and Well Ted	And the second named to th				
1	lame of Well Contri	0110	illing 1	tractor's Lic	ence No.		
Business A	ddress (Street No.)	Name, number, RR)	Municipality	Rain			
Province	ne Prince	Xode Business E-n		١٥٠٠	ge .	Audit No. M 01043 Well Contractor No.	
Bus. Telepho		de) Name of Well Techni	rung @ X plo cian (Last Name, First N		Com	Date Received (sysylmen/dd) Date of Inspection (sysylmen/dd)	
Well Technic	242646 cian's Licence No. S	gnature of Technician	Bruce Date Su	bmitted (yy	yy/mm/dd)	n) Remarks	
2 1	73	Den to		8/03/	26.	C 03037	ario 2006
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Ministry of the Environment Well Tag No.)

A 058360 A 058360

Cluster Well Information for Cluster Well Construction

Regulation 903 Ontario Water Resources Act

Page ____ of ___

Address of Well Location (Street Number/Name, RR	₹)	Lot	C	Concession T	ownship	1000/01	69/68/250	Count	ty/District/Mun	icipality	Signature of Technician/Contractor	Date (yyyy/mm/dd)
City/Town/Village Provi		stal Code		a special	Model		de of Opera		differentiated	Averaged	Bure Down	2008/03/24
Ottawa Ont	ario			Vagellan 1	postal	_ Diller	cittated, 5	beeny.				
Well# UTM Coordinates on Sketch Zone Easting Northing	Full Depth of Hole (metres)	Hole Diameter (cm)	Method of Construction	Casing Material	Casing Length (metres)	Screen Int	erval (metres) To	Annular Space Sealant Used	Static Water Level (metres)	Abandonment Sealant Used	Comments	Date of Completion (yyyy/mm/dd)
01-1184472235029802	4.88	20	HSA	PVC	1.5	1.5	4.8	Bentonite	i	1		2001/09/24
mw 2 18447 1635029770		20	į(11	1.5	1.5	4.6	γt				2007/09/24
								- E				
Well Contractor and Well Technician In	formation									Province		Vell in Cluster Constructed 7 /04/24
Business Name of Well Contractor	1	The second second	ness Address	(Street Number/Na	ame, RR)	all.	Municipa	Row		QC	Ministry Use Only	
Postal Code Bysiness Telephone	No. (ing. area	d. 410	Well Contracto	or's Licence No. Bu	siness E-mail	Address	an v	arvine	Pl	40	The state of the s	ected (yyyy/mm/dd)
510 VI 1010 8119121	412110	14/6/9	118	H H Ann's Licence No. Da	downir	29 @	X D loc	net. do	m		Date Received (yyyy/mm/dd) Date Insp	
Name of Well Technician (First Name, Last Name)		, ,	Well Technicia				100	1		^.	Audit No. 03037 Remarks	01043
Bruce Downing			21	17 3 2	2008/03	126	12	me t	Jour	7	and the state of t	A SAME AND ADDRESS OF THE PARTY
1991 (11/2006)						Inlatry's	Copy			- 1	© Queen's	Printer for Ontario, 2006

Ministry of the Environment

Well Ta	+ 1,,5			mber below)
	, <i>i</i> l	051	279	
	An	512	79	

Well Record Regulation 903 Ontario Water Resources Act

page of

Instruct ... for Completing Form For use in the Province of Ontario only. This document is a permanent legal document. Please retain for future reference. All Sections must be completed in full to avoid delays in processing. Further instructions and explanations are available on the back of this form. Questions regarding completing this application can be directed to the Water Well Help Desk (Toll Free) at 1-888-396-9355. All metre measurements shall be reported to 1/10th of a metre. Ministry Use Only Please print clearly in blue or black ink only. Address of Well Location (County/District/Municipality) City/Town/Village

Hawa
Unit Make/Model RR#/Street Number/Name Site/Compartment/Block/Tract etc. avenue **GPS** Reading Northing 2017 Mode of Operation: Averaged Easting HH111H3 Undifferentiated Magellan 8 3 Differentiated, specify Log of Overburden and Bedrock Materials (see instructions) Depth From Metres To General Coloui Most common material Other Materials General Description Brown Jana till Wood + grovel med/fine Silfy cla Sand + grave Monitoring well installations as per O. MOE Reg 903 Hole Diameter Construction Record **Test of Well Yield** Depth Metres Diameter Draw Down Recovery Pumping test method Inside Depth Metres Material Time Water Level Time Water Leve From To Centimetres thickness diam From То min Metres min entimetre centimetres 6 20 Pump intake set at -Statio Casing (metres) eve Pumping rate Steel Fibreglass 1 1 (litres/min) Plastic Concrete 40 0 51 Duration of pumping 2 Water Record Galvanized MM Water found at __ Metre Kind of Water Steel Fibreglass Final water level end 3 3 Fresh Plastic Concrete Sulphu of pumping Salty métres Galvanized Recommended pump Other: 4 4 Steel Fibreglass type.

Shallow Deep
Recommended pump Sulphur l m Plastic Concrete 5 Minerals 5 Gas Salty depth. Galvanized Other metres Recommended pump Screen Sulphur 10 10 rate. Salta Minerals Outside 15 15 (litres/min) Steel Fibreglass If flowing give rate Other: diam 20 20 Plastic Concrete 6.1 After test of well yield, water was (litres/min) 58 25 25 Galvanized 10 If pumping discontinued, give reason. Clear and sediment free Mn 30 30 Other, specify No Casing or Screen 40 40 50 50 Open hole Chlorinated 🗌 Yes Ū∕No 60 60 Annular space Abandonment Plugging and Sealing Record Location of Well Depth set From Volume Placed Metres Material and type (bentonite slurry, neat cement slurry) etc. In diagram below show distances of well from road, lot line, and building ()lease see attached site plan. Method of Construction Cable Tool Rotary (air) Diamond Digging Rotary (conventional) Air percussion Jetting Rotary (reverse) Boring Water Use Industrial ☐ Domestic Public Supply Stock Commercial Not used ___ Municipal ____ Irrigation Cooling & air conditioning Audit No. 58314 Final Status of Well Was the well owner's information package delivered? Yes No Recharge well Unfinished Abandoned, (Other)

Date Receive MARYUY5 Date of Inspection DD JW IRO Remarks Well Record Number 200

_icence No.

Data Source

Well Contractor/Technician Information

Dewatering

Replacement wel

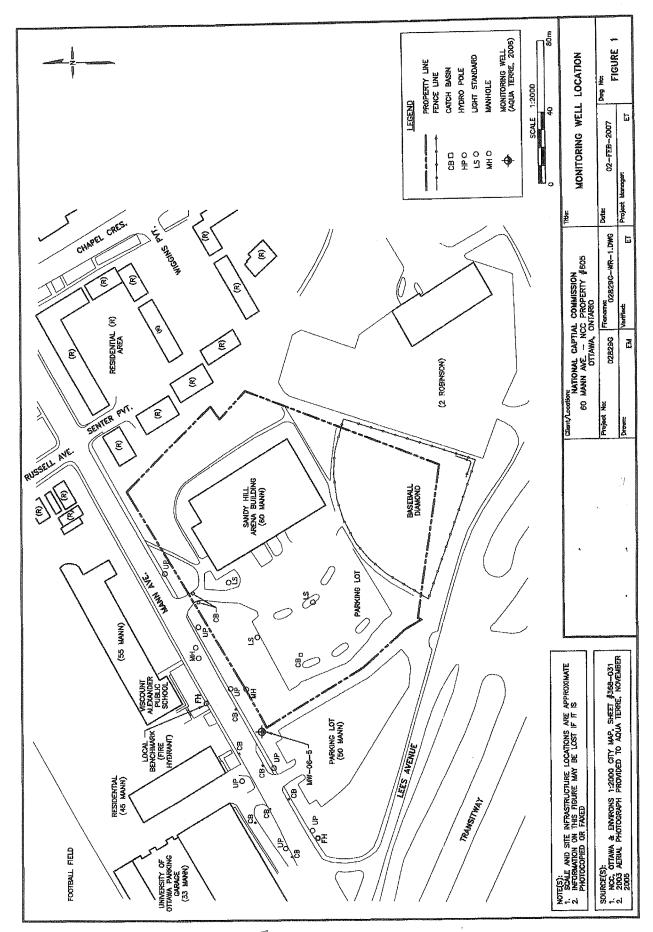
Abandoned, insufficient supply

Abandoned, poor quality

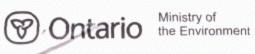
Observation well

Test Hole

Ministry Use Only



58314



Well Ta- No Adams Mall (Pleas Chicker and/or Print Below)

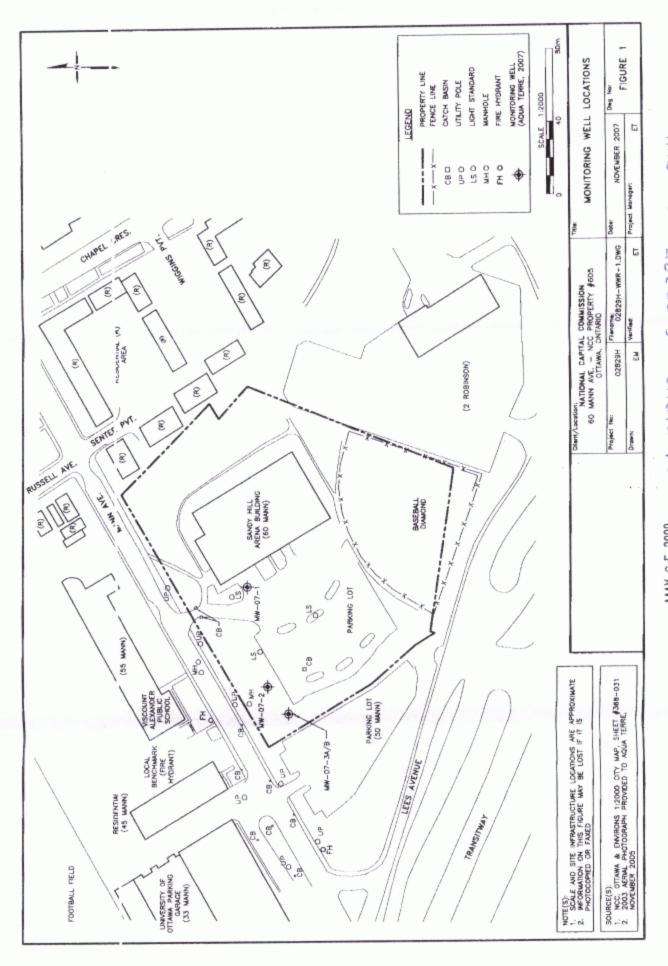
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Master Well Record for **Cluster Well Construction**

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Ageter W	all Owner's and	Land Owner's Infor	mation		AND LOCAL CO.		ERECT !
10	N)	0					
county/Dis	Mann trict/Municipality	avenue	City/To	wn/Villag		Province Postal Code Ontario	,
JTM Coordi	1. 3.11			11	Model	Mode of Operation: Undifferentiated Averaged	1
NAD		ck Materials (see inst	The second secon	of this fo	J ()	Mult 3 Hole Details	
General Colour	Most Common Material	Other Materials	General Description		Metres)	Depth (Metres) Diameter From To (Centimetres)	
	Topsoil sunf			0	0.1	0 6.1 20 CM	
t. Brown	Sand fill	gravel	dry	al	1.8		
	Sand		fined, moist	1.8	2.8	and still in the same with the control	
Lt. Grey	Silt	Sand		2.8	3.1		
-1	Land		grained, moist	1	36	Water Use ☐ Public ☐ Industrial ☐ Not used ☐ Other, spe	ecify
Slock (J. Bri	C	spoon Sand		3.6	4.3	Domestic Commercial Dewatering Livestock Municipal Monitoring	
rey	Jandy Cl	ay		4.3	4.1	☐ Irrigation ☐ Test Hole ☐ Cooling & Air Conditioning	
				100		Method of Construction ☐ Cable Tool ☐ Air Percussion ☐ Digging	
						Rotary (Conventional) Diamond Transcription Diamond Di	
						Rotary (Air) Driving HSA Status of Well	
						☐ Abandoned, Insufficient Supply	
						Replacement Well Abandoned, Poor Water Quality Dewatering Well Other, specify	
						Alteration (Construction) Abandoned, other, specify	
					i de	No Casing and Screen Used Static Water Level Test Open Hole Yes No Metres	
Inside Diar	meter	Construction De Material	etails Wall	Depth	(Metres)	Screen	
(Centime)	21	tic, fibreglass, concrete, ş	School	From	To 4.5	Galvanized Steel Fibreglass Concrete CPlesti Outside Diameter (Centimetres) Slot No.	IC .
2.1	A TEE	FPVC	40	0	1.0	5,8 10	
		a sayang				Water found at Depth Kind of Water	linerale
170						Water found at Depth Kind of Water	
Denth Set	Annu at (Metres)	lar Space/Abandonme Type of Sealant	the same of the sa	Volum	e Used	Metres Gas Fresh Salty Sulphur M Water found at Depth Kind of Water	linerals
From	То	(Material and Ty		(Cubic	Metres)	Metres Gas Fresh Salty Sulphur M	
2 0		Sentonite		1	Kas	Disinfected Yes No If no, provide reason: Date Master Well Cor (yyyy/mm/dd)	mpleted
3.0	4.2 1	Sentonelè		10	fal	Moru toring (Well 2007) 09 Cluster Information (Please also fill out the additional Cluster W	Vell
						Information for Well Construction for each parcel of land and cli Total Wells in Cluster Please indicate Number of Cluster	ster Well
						Total Wells on this Property	ted
						Linknown Location of Well Cluster	
						Detailed Map must be provided as an attachment no larger than legit (8.5" x 14"). Sketches are not allowed.	al size
	process of the state of the sta		er company of			Check box to confirm detailed map is provided as per Section 11.	
						Consent to release additional information concerning the cluste the Director upon request	er to
		ntractor and Well Ted	And the second named to th				
1	lame of Well Contri	0110	illing 1	tractor's Lic	ence No.		
Business A	ddress (Street No.)	Name, number, RR)	Municipality	Rain			
Province	ne Prince	Xode Business E-n		١٥٠٠	ge .	Audit No. M 01043 Well Contractor No.	
Bus. Telepho		de) Name of Well Techni	rung @ X plo cian (Last Name, First N		Com	Date Received (sysylmen/dd) Date of Inspection (sysylmen/dd)	
Well Technic	242646 cian's Licence No. S	gnature of Technician	Bruce Date Su	bmitted (yy	yy/mm/dd)	n) Remarks	
2 1	73	Den to		8/03/	26.	C 03037	ario 2006
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Ministry of the Environment Well Tag No.)

A 058360 A 058360

Cluster Well Information for Cluster Well Construction

Regulation 903 Ontario Water Resources Act

Page ____ of ___

Address of Well Location (Street Number/Name, RR	₹)	Lot	C	Concession T	ownship	1000/01	69/68/250	Count	ty/District/Mun	icipality	Signature of Technician/Contractor	Date (yyyy/mm/dd)
City/Town/Village Provi		stal Code		a special	Model		de of Opera		differentiated	Averaged	Bure Down	2008/03/24
Ottawa Ont	ario			Vagellan 1	postal	_ Diller	cittated, 5	beeny.				
Well# UTM Coordinates on Sketch Zone Easting Northing	Full Depth of Hole (metres)	Hole Diameter (cm)	Method of Construction	Casing Material	Casing Length (metres)	Screen Int	erval (metres) To	Annular Space Sealant Used	Static Water Level (metres)	Abandonment Sealant Used	Comments	Date of Completion (yyyy/mm/dd)
01-1184472235029802	4.88	20	HSA	PVC	1.5	1.5	4.8	Bentonite	i	1		2001/09/24
mw 2 18447 1635029770		20	į(11	1.5	1.5	4.6	γt				2007/09/24
								- E				
Well Contractor and Well Technician In	formation									Province		Vell in Cluster Constructed 7 /04/24
Business Name of Well Contractor	1	The second second	ness Address	(Street Number/Na	ame, RR)	all.	Municipa	Row		QC	Ministry Use Only	
Postal Code Bysiness Telephone	No. (ing. area	d. 410	Well Contracto	or's Licence No. Bu	siness E-mail	Address	an v	arvine	Pl	40	The state of the s	ected (yyyy/mm/dd)
510 VI 1010 8119121	412110	14/6/9	118	H H Ann's Licence No. Da	downir	29 @	X D loc	net. do	m		Date Received (yyyy/mm/dd) Date Insp	
Name of Well Technician (First Name, Last Name)		, ,	Well Technicia				100	1		^.	Audit No. 03037 Remarks	01043
Bruce Downing			21	17 3 2	2008/03	126	12	me t	Jour	7	and the state of t	A SAME AND ADDRESS OF THE PARTY
1991 (11/2006)						Inlatry's	Copy			- 1	© Queen's	Printer for Ontario, 2006

Go Back to Map

Well ID

Well ID Number: 7264960 Well Audit Number: *Z222242*

Well Tag Number:

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

Well Location

Address of Well Location	60 MANN AVE
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: 447143.00 Northing: 5029790.00
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	-	Type of Sealant Used (Material and Type)	
0 m	.31 m	OTHER	
.31 m	1.22 m	BENSEAL	
1.22 m		GROUT SLURRY	

Method of Construction & Well Use

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

Monitoring and Test Hole

Status of Well

Monitoring and Test Hole

Construction Record - Casing

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

Construction Record - Screen

Outside Diameter Material Depth Depth From To

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7241

After t	est of well yield, water was
If pum	ping discontinued, give reason
Pump	intake set at
Pumpi	ng Rate
Durati	on of Pumping
Final v	vater level

TC	C	•	•	4
Ιŧ	Ħ	owing	give	rate

Recommend	led	pum	p d	lept	h

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	

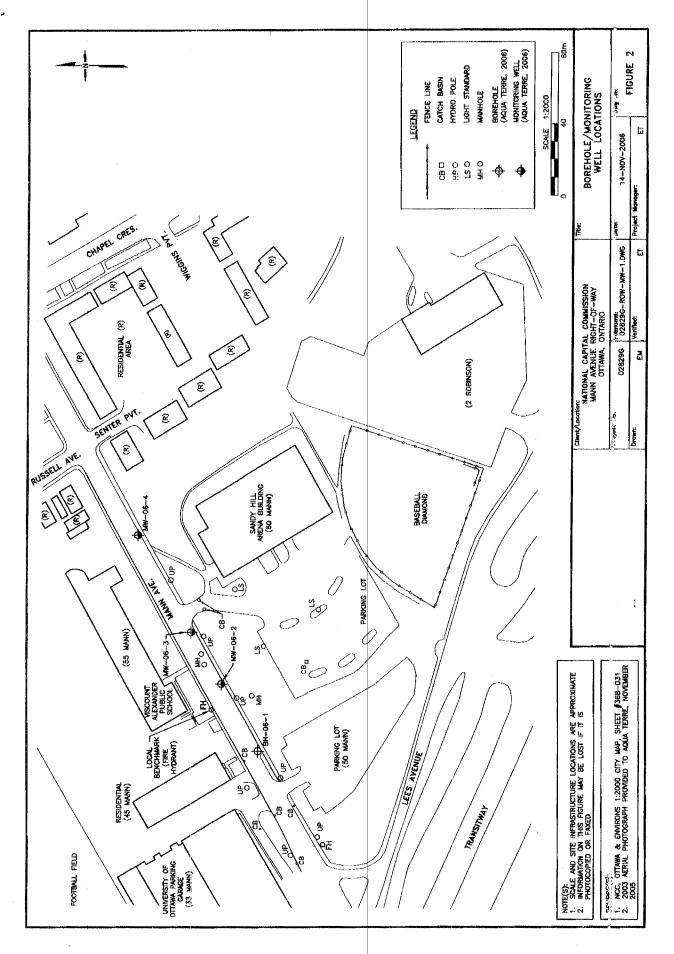
Water Details

Water Found at Depth Kind

Hole Diameter

Depth From	-	Diameter
0 m	1.83 m	6.03 cm

(W) Ontario	Ministry of the Environment	Well Ta 044	5187 her belo	, l	Well Record
Instructions for Completi	na Form	A049	187		page 1 of 2
=	1 -			I nt. Please retain for future refe	
 All Sections must be co 	mpleted in full to avo	oid delays in processing	g. Further instructions	s and explanations are available agement Coordinator at 416-2	on the back of this form.
 All metre measurement 	ts shall be reported		the water well wars	Y	
Please print clearly in bl Well Owner's Information	<u> </u>	Afall Information	MUN	Ministry Use Onl	LOT
Well Owner's Information	i and Location of v	ven information			
	1		1		
RR#/Street Number/Name	0 0	C	city/Town/Village	Site/Compartmer	nt/Block/Tract etc.
GPS Reading NAD Zo	Uvenue K	Northing U	Jnit Make/Model	عدالالله الله الله الله الله الله الله ال	iated
8 3	he Easting 195	2029 820 1	Magellar	Differentiat	
Log of Overburden and B General Colour Most, common	<u> </u>	see instructions) Other Materials		eneral Description	Depth Metres
- ASBhait		Other Materials	Ge	eneral Description	From To
brown brancher					0 0.6
Mo recov	1 1	.1	M. i.l.		0.6 12
Grey Sandy S No ceco			Moist		1,5 6,5
DK Bin Sandy S	ill grav	1.0			5,2 6.0
Disport Variety	Jav				Ja
3 Moni	foring well	installation	ns as a c	luster as per M	in Rog 903
Typic					
<u> </u>					
Hole Diameter Depth Metres Diameter		Construction Recor	rd	Test of V	
From To Centimetres	Inside diam Mate	rial Wall thickness	Depth Metres	5 1	aw Down Recovery Water Level Time Water Level
0 600 20	centimetres	centimetres	From To	Pump intake set at - Static	Metres min Metres
		Casing		(metres) Level	
	51 Steel]Fibreglass	0 1.3	(litres/min)	1
Water Record	mm Galvanize	' L+10		Duration of pumping 2	2
Water found at Metres	Steel	-		Final water level end 3	3
m Fresh Sulphur Gas Salty Minerals	Plastic Galvanize	*		of pumping metres	
Other:	Steel	Fibreglass		Recommended pump 4 type.	4
m. Freeh Sulphur Gas Salty Minerals		Concrete		Recommended pump 5	5
Other:	Galvanize	Screen		Recommended pump 10	10
☐ Gas ☐ Salty ☐ Minerals	Steel	Fibreglass Slot No.		rate (litres/min) 15	15
Other: After test of well yield, water was	diam Plastic Galvanize	·	1.3 6º	If flowing give rate - 20 (litres/min) 25	20 25
Clear and sediment free	Galvanize	ed 10		If pumping discontinued, give reason.	30
Other, specify		No Casing or Scree	en	40	40 50
Chlorinated Yes No	Open hole	е '		60	60
Plugging and S	ealing Record	<u> </u>	andonment	Location of We	1
Depth set at - Metres Material and ty	pe (bentonite slurry, neat ce	ement slurry) etc. Volume (cubic r		below show distances of well from roa rth by arrow.	id, lot line, and building.
0.2 1.3 Ben	tonite	301	Ka DL	Constitution	1
			P ruas	e see attached site	yan
					·
,					•
	Method of Construct	ion ""			
Cable Tool Rotary	, <i>.</i>		Digging		*·
Rotary (conventional) Air per Rotary (reverse) Boring		Jetting Jr. Driving Jr.	Strer Clar		• /
	Water Use				
□ Domestic □ Industr □ Stock □ Comm	ercial 🔲 n	Public Supply Not used	Sther	· . : W	
☐ Irrigation ☐ Munici	pal [] (Cooling & air conditioning	I Audit No	z 50500 Date Well	Completed 2006 8 30
☐ Water Supply ☐ Recharge v	vell 🔲 l	Jnfinished Abandon		ell owner's information Date Deliv	ered YYYY MM DD
		Dewatering Replacement well	package de		· · · · · · · · · · · · · · · · · · ·
Well Co	ntractor/Technician I	nformation	perice No Data Source	Ministry Use Onl	
Name of Well Contractor	State Drillin	Well Confractor's Lic		ا المحر	844
Business Address (street name, num	per, city etc.)	La Rouge Oc	TAV LBO NATE Recei	ved YYYY MM DD Date of Ins	
Name of Well Technician (last name,	1	Well Teofinician's Lic		A CHELLE	ord Number
Signature of Technician/Contractor	uco .	Date Submitted YYYYY	12 MM DD		
X Brune to		2006		7-1	e est disponible en français
0506E (09/03)	Contractor's Co	ppy □ IVIIIIISTRY'S COPY □	Well Owner's Copy	L) Colle loriffule	, sət disponible en Haliçals

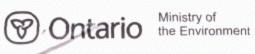


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Well Ta- No Adams Mall (Pleas Chicker and/or Print Below)

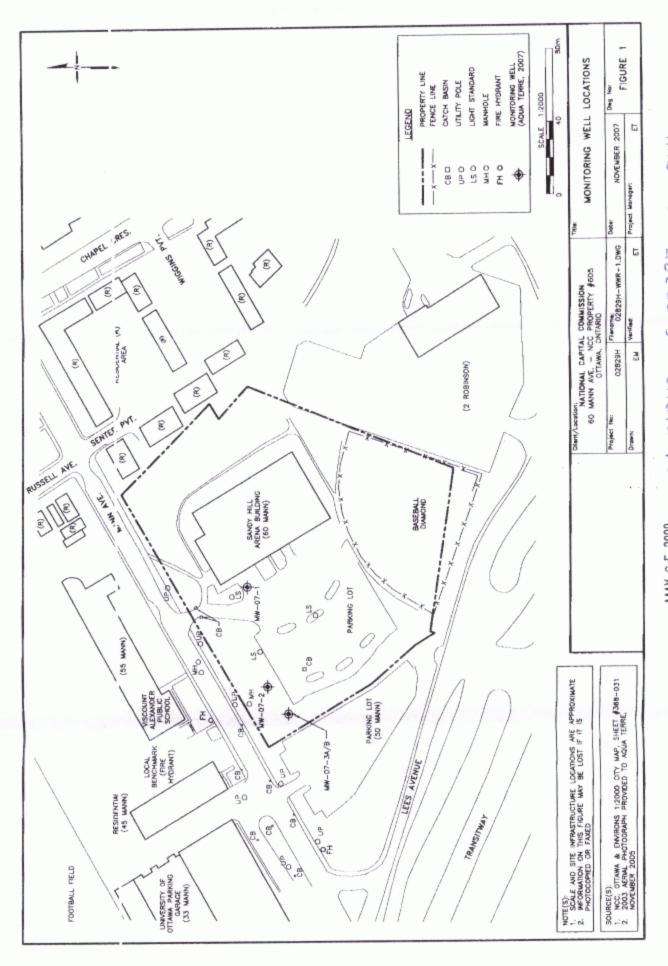
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A058360

Master Well Record for **Cluster Well Construction**

Regulation 903 Ontario Water Resources Act
Page _____ of _____

Ageter W	all Owner's and	Land Owner's Infor	mation		AND LOCAL CO.		ERECT !
10	N)	0					
county/Dis	Mann trict/Municipality	avenue	City/To	wn/Villag		Province Postal Code Ontario	,
JTM Coordi	1. 3.11			11	Model	Mode of Operation: Undifferentiated Averaged	1
NAD		ck Materials (see inst	The second secon	of this fo	J ()	Mult 3 Hole Details	
General Colour	Most Common Material	Other Materials	General Description		Metres)	Depth (Metres) Diameter From To (Centimetres)	
	Topsoil sunf			0	0.1	0 6.1 20 CM	
t. Brown	Sand fill	gravel	dry	al	1.8		
	Sand		fined, moist	1.8	2.8	and still in the same with the control	
Lt. Grey	Silt	Sand		2.8	3.1		
-1	Land		grained, moist	1	36	Water Use ☐ Public ☐ Industrial ☐ Not used ☐ Other, spe	ecify
Slock (J. Bri	C	spoon Sand		3.6	4.3	Domestic Commercial Dewatering Livestock Municipal Monitoring	
rey	Jandy Cl	ay		4.3	4.1	☐ Irrigation ☐ Test Hole ☐ Cooling & Air Conditioning	
				100		Method of Construction ☐ Cable Tool ☐ Air Percussion ☐ Digging	
						Rotary (Conventional) Diamond Transcription Diamond Di	
						Rotary (Air) Driving HSA Status of Well	
						☐ Abandoned, Insufficient Supply	
						Replacement Well Abandoned, Poor Water Quality Dewatering Well Other, specify	
						Alteration (Construction) Abandoned, other, specify	
					i de	No Casing and Screen Used Static Water Level Test Open Hole Yes No Metres	
Inside Diar	meter	Construction De Material	etails Wall	Depth	(Metres)	Screen	
(Centime)	21	tic, fibreglass, concrete, ş	School	From	To 4.5	Galvanized Steel Fibreglass Concrete CPlesti Outside Diameter (Centimetres) Slot No.	IC .
2.1	A TEE	FPVC	40	0	1.0	5,8 10	
		a sayang				Water found at Depth Kind of Water	linerale
170						Water found at Depth Kind of Water	
Denth Set	Annu at (Metres)	lar Space/Abandonme Type of Sealant	the same of the sa	Volum	e Used	Metres Gas Fresh Salty Sulphur M Water found at Depth Kind of Water	linerals
From	То	(Material and Ty		(Cubic	Metres)	Metres Gas Fresh Salty Sulphur M	
2 0		Sentonite		1	Kas	Disinfected Yes No If no, provide reason: Date Master Well Cor (yyyy/mm/dd)	mpleted
3.0	4.2 1	Sentonelè		10	fal	Moru toring (Well 2007) 09 Cluster Information (Please also fill out the additional Cluster W	Vell
						Information for Well Construction for each parcel of land and cli Total Wells in Cluster Please indicate Number of Cluster	ster Well
						Total Wells on this Property	ted
						Linknown Location of Well Cluster	
						Detailed Map must be provided as an attachment no larger than legit (8.5" x 14"). Sketches are not allowed.	al size
	process of the state of the sta		er company of			Check box to confirm detailed map is provided as per Section 11.	
						Consent to release additional information concerning the cluste the Director upon request	er to
		ntractor and Well Ted	And the second named to th				
1	lame of Well Contri	0110	illing 1	tractor's Lic	ence No.		
Business A	ddress (Street No.)	Name, number, RR)	Municipality	Rain			
Province	ne Prince	Xode Business E-n		١٥٠٠	ge .	Audit No. M 01043 Well Contractor No.	
Bus. Telepho		de) Name of Well Techni	rung @ X plo cian (Last Name, First N		Com	Date Received (sysylmen/dd) Date of Inspection (sysylmen/dd)	
Well Technic	242646 cian's Licence No. S	gnature of Technician	Bruce Date Su	bmitted (yy	yy/mm/dd)	n) Remarks	
2 1	73	Den to		8/03/	26.	C 03037	ario 2006
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MAY 05 2008 . M. O1043 C. 03037



Ministry of the Environment Well Tag No.)

A 058360 A 058360

Cluster Well Information for Cluster Well Construction

Regulation 903 Ontario Water Resources Act

Page ____ of ___

Address of Well Location (Street Number/Name, RR	₹)	Lot	C	Concession T	ownship	1000/01	69/68/250	Count	ty/District/Mun	icipality	Signature of Technician/Contractor	Date (yyyy/mm/dd)
City/Town/Village Provi		stal Code		a special	Model		de of Opera		differentiated	Averaged	Bure Down	2008/03/24
Ottawa Ont	ario			Vagellan 1	postal	_ Diller	cittated, 5	beeny.				
Well# UTM Coordinates on Sketch Zone Easting Northing	Full Depth of Hole (metres)	Hole Diameter (cm)	Method of Construction	Casing Material	Casing Length (metres)	Screen Int	erval (metres) To	Annular Space Sealant Used	Static Water Level (metres)	Abandonment Sealant Used	Comments	Date of Completion (yyyy/mm/dd)
01-1184472235029802	4.88	20	HSA	PVC	1.5	1.5	4.8	Bentonite	i	1		2001/09/24
mw 2 18447 1635029770		20	į(11	1.5	1.5	4.6	γt				2007/09/24
								- E				
Well Contractor and Well Technician In	formation									Province		Vell in Cluster Constructed 7 /04/24
Business Name of Well Contractor	1	The second second	ness Address	(Street Number/Na	ame, RR)	all.	Municipa	Row		QC	Ministry Use Only	
Postal Code Bysiness Telephone	No. (ing. area	d. 410	Well Contracto	or's Licence No. Bu	siness E-mail	Address	an v	arvine	Pl	40	The state of the s	ected (yyyy/mm/dd)
510 VI 1010 8119121	412110	14/6/9	118	H H Ann's Licence No. Da	downir	29 @	X D loc	net. do	m		Date Received (yyyy/mm/dd) Date Insp	
Name of Well Technician (First Name, Last Name)		, ,	Well Technicia				100	1		^.	Audit No. 03037 Remarks	01043
Bruce Downing			21	17 3 2	2008/03	126	12	me t	Jour	7	and the state of t	A SAME AND ADDRESS OF THE PARTY
1991 (11/2006)						Inlatry's	Copy			- 1	© Queen's	Printer for Ontario, 2006

24 1 25 5-14864 Well Record Regulation 903 Ontario Water Resources Act Well Tag No. (Place Sticker and/or Print Below) Ministry of the Environment Tag#: A155688 A1SSL88 Metric mperial Measurements recorded in: Well Owner's Information E-mail Address Last Name / Organization First Name City by Well Owner Postal Code Telephone No. (inc. area code) Province Mailing Address (Street Number/Name) 1121 O Hawi ON Well Location Address of Well Location (Street Number/Name) Lot Concession Township County/District/Municipality City/Town/Village

CHAWA

Municipal Plan and Sublot Number Postal Code Province Ontario Other UTM Coordinates | Zone | Easting NAD 8 3 18 447245 5029760 Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form) General Description Most Common Material Other Materials Si 1+ Si 1+ -Twet Results of Well Yield Testing Annular Space Volume Placed After test of well yield, water was: Draw Down Recovery: Depth Set at (m/ft) Type of Sealant Used Time Water Level (m^3/lt^3) Clear and sand free Time Water Level Other, specify (min) (m/ll)(min) (m/ft)Mount/Soil/Grass Static If pumping discontinued, give reason: Level 1.22 1 1 22 4.57 Pump intake set at (m/ft) 2 3 3 Pumping rate (I/min / GPM) Method of Construction Well Use ☐ Public Commercial ☐ Not used ☐ Diamond Duration of pumping Rotary (Conventional) ☐ Jetting ☐ Domestic Municipal ☐ Dewatering 5 5 hrs + min Rotary (Reverse) ☐ Driving Livestock Test Hole Monitoring Final water level end of pumping (m/ft) Boring Digging ☐ Irrigation Cooling & Air Conditioning 10 10 At percussion Direct Fush ☐ Industrial Other, specify 15 If flowing give rate (I/min / GPM) Status of Well Construction Record - Casing 20 20 Depth (m/ff) Open Hole OR Material Water Supply Recommended pump depth (m/ft) Inside Wall (Galvanized, Fibreglass, Concrete, Plastic, Steel) Thickness (cm/in) ☐ Replacement Well 25 25 From To (cm/in) Fest Hole Recommended pump rate (//min / GPM) 30 30 4,03 .368 Recharge Well Dewatering Well 40 40 ☑ Observation and/or Well production (t/min / GPM) Monitoring Hole 50 50 Alteration (Construction) Disinfected? Abandoned, Insufficient Supply ☐ Yes ☐ No Map of Well Location Construction Record - Screen Abandoned, Poor Outside Depth (m/ft) Water Quality Please provide a map below following instructions on the back. Material Diameter (cm/in) Abandoned, other. From To Parklut specify 4.82 10 Other, specify Water Details Hole Diameter Water found at Depth Kind of Water: ☐Fresh ☐Untested Depth (m/ft) Diameter From (cm/in) (m/ft) Gas Other, specify 4.57 8.28 Water found at Depth Kind of Water: Fresh Untested (m/ft) Gas Other, specify Well Contractor and Well Technician Information Business Name of Well Contractor Strata Drilling 74 Group Comments: Business Address (Street N West Beaver Creek Fichmenal Hill
Province Postal Code Business E-mail Address

ON 6481 C16 Wrecards @Stratasoil.com Well owner's Date Package Delivered Ministry Use Only Bus Telephone No. (inc. area code) Name of Well Technician (Last Name, First Name)

9 0 5 7 6 9 9 0 9 Deathy Brian

Well Technician's Licence No. Signature of Technician and/or Contractor Date Submitted information Audit No Z 180012

Date Work Completed

Yes

__ No

20131122 Ministry's Copy

16 1 16

Go Back to Map

Well ID

Well ID Number: 7191096 Well Audit Number: *Z156917* Well Tag Number: *A135002*

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

Well Location

Address of Well Location	191 LEES AVE
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: 447517.00 Northing: 5029450.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
BRWN	LOAM	SAND	SOFT	0 m	.61 m
BRWN	SAND	GRVL	LYRD	.61 m	3.66 m

 GREY
 SAND
 SLTY
 CLAY
 3.66 m
 6.1 m

 GREY
 CLAY
 SAND
 SLTY
 6.1 m
 8.84 m

Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed
0 m	7.01 m	3/8 BENTONITE CHIP	S
7.01 m	8.84 m	SAND	

Method of Construction & Well Use

Method of Construction	Well Use
Rotary (Convent.)	
	Monitoring and Test Hole

Status of Well

Test Hole

Construction Record - Casing

Inside		Depth	Depth
Diameter Open Hole or material		From	To
5.2 cm	PLASTIC	0 m	7.32 m

Construction Record - Screen

Outside Diameter Material Depth From To
6.03 cm PLASTIC 7.32 m 8.84 m

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7241

After test of well yield, water was	
If pumping discontinued, give rease	on
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	8.84 m	10.92 cm

Go Back to Map

Well ID

Well ID Number: 7191095 Well Audit Number: *Z156919* Well Tag Number: *A135001*

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

Well Location

Address of Well Location	191 LEES AVE
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: 447456.00 Northing: 5029419.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
BRWN	LOAM	SAND	SOFT	0 m	.61 m
BRWN	SAND	GRVL	SOFT	.61 m	4.57 m

8/1/2019 GREY

CLAY

SILT

LYRD

4.57 m 7.62 m

Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed
0 m	5.79 m	3/8 BENTONITE CHIP	S
5.79 m	7.62 m	SAND	

Method of Construction & Well Use

Method of Construction	Well Use
Rotary (Convent.)	
	Monitoring and Test Hole

Status of Well

Construction Record - Casing

Inside	Open Hole or material	Depth	Depth
Diameter		From	To
5.2 cm	PLASTIC	0 m	6.1 m

Construction Record - Screen

Outside Diameter Material Depth Depth From To 6.03 cm PLASTIC 6.1 m 7.62 m

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7241

After test of well yield, water was				
If pumping discontinued, give reason				
Pump intake set at				
Pumping Rate				
Duration of Pumping				
Final water level				

TC	C	•		•			4
Ιŧ	tIa	wir	1σ	OIV	P	ra	te
		, , ,		5 - '	\mathbf{c}		···

Recommend	led	pum	p d	lept	th

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 Depth To		Diameter
0 m	7.62 m	10.92 cm

Well Tar No for Master Well (Place Sticker and/or Print Below)
A 068527

A068527 MW08-1

Master Well Record for Cluster Well Construction

Regulation 903 Ontario Water Resources Act
Page _____ of _____

Master W	ell Owner's ar	nd Land Owner's Info	rmatio	1							
Ala fasa											
Mailing Age											
					LUG.				KIRI	07/016	21319011112
		tion of the Master We treet Number/Name, RR)	ell in th	e Cluster Towns	hip				Lot	Concession	on
County/Dis	trict/Municipality	417 c Greenti	eld	City/To	N CC own/Villag	e Pa	sperty	Asse	1# 90	Province	Postal Code
UTM Coord	1 to the	asting Northing	196	GPS Uni		Model	102	Mode of O	peration:	Ontario Undifferentiated	Averaged
		rock Materials (see inst	ruction			rm)	1	1-08		e Details	
General Colour	Most Common Material	Other Materials		General Description	Depth ((Metres)	Depth (Metres) To		Diamete (Centimet	
DK. BIOWN	Topsoi	1-grass-	moi	s+	0	0.1	0	6.7		20	
Brown		11 med grained	with	gravel	0.1	1,2	7 14 7 W 1 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
Grey	Gravel I				1.2	1.8					
Grey	Boulder	/	ical		1.8	2.4					
Black	A	indeus	L W		2.4	30			Wa	ter Use	
Brown	Sand I		M	oist	3.0	38	Public	the state of the state of the state of	dustrial	Not used	Other, specify
Brown		Cill Ell		121	3.8	4.3	Domest Livestoo	ck M	unicipal 🗓	Dewatering Monitoring	
	Sandy 5	411611					☐ Irrigation	n T		Cooling & Air Cond	ditioning
Grey	Clayey	Silt Sill			4.3	le.7	☐ Cable T	ool	Air Pe	F Construction Dig	aina
Grey	Clayer	Silt			6-1	6.7		Convention	nal) Diamo	ond Bor	
							Rotary (The state of the state of	☐ Jetting ☐ Driving	110	A
							Bicus		Statu	s of Well	
		自由自身特別			(1) 10 10 10 10 10 10 10 10 10 10 10 10 10		☐ Replace		 ** * * * * * * * * * * * * * * * * * *	doned, Insufficient S	
							Dewater		Other,	doned, Poor Water C , specify	quality
							Alteration	on (Constru	ction)	doned, other, specify	/
							No Casir Open Hole	ng and So	creen Used	Static Water	er Level Test
		Construction De	tails					Yes 🛂	10	Me	tres
Inside Diam		Material stic, fibreglass, concrete, g	Tanga da	Wall Depth (Metres) Thickness From To Galvanized Steel Fibreglass C				ete Plastic			
5.1	(steer, pras	PVC	aivariize	School	From		Outside Dia	programme and the second	The state of the s	Slot No.	ete
9.1		are I I VC		40	0	3,7		5.8		/	0
							Water four	nd at Dent	Water De	etails of Water	
								Metres			Sulphur Minerals
Eriz erzet							Water foun			of Water	Sulphur Minorale
Depth Set at		Ilar Space/Abandonmer Type of Sealant I	-	g Record	Volume	Used	Water four		The same of the sa	of Water	Sulphur Minerals
From	То	(Material and Typ			(Cubic N		N	Metres	Gas Fre	sh Salty S	Sulphur Minerals
0	2.8 Be	nterrete			40	Kgs	Disinfected	Yes V	No If no, prov	vide reason: Date M	Master Well Completed
						•	Mon	Jere	na we	^ -	08/06/23
							Cluster In	formation	(Please also	fill out the additio	nal Cluster Well
							Total Wells			Please indicate N	of land and cluster.) Jumber of Cluster Well
							Total Wells	s on this P	ronerty	Information Log S	Sheets Submitted
								Kno		en e	
							Detailed Ma	an must he		f Well Cluster	arger than legal size
							(8.5" x 14")	. Sketches	are not allowe	ed.	
											er Section 11.1 (3)
							the Directo	r upon re	quest	rmation concerni	
	Well Co	ntractor and Well Tecl	nician	Information			Signature	n recnnici	an/Contractor		1999/mm/dd) 09/04/08
	me of Well Contra	actor		Well Contra	actor's Lice	nce No.	Master We	Il Owner's	/Land Owner	's consent to use	Cluster Form
Geor Business Ad	ge Down	ing Estate I	rillia	9 1 8	3 4	4					/yyy/mm/dd) 09 05 0 1
		Business E-ma			Rouge	P					
Province	Postal C	Code Business E-ma	ail Addre	ss	. 5 5 9 (Audit No.	n 01	1059	Well Contractor No	
Bus.Telephon	ie No. (inc. area co	de) Name of Well Technic	ng@ an (Last	Name, First Na	nct. c	on	Date Receiv			Date of Inspection ((vvv/mm/dd)
8192	42446	9 Downing	_	ruce			Date Receiv	103	2009	rate of mapeonom (,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Well Technicia	n's Licence No. Si	ignature of Technician		Date Subn	nitted (yyy)	//mm/dd)	Remarks				
1992 (11/2006)	1 7	men	~	2009	10410	la lateral	's Copy			© Queen's	Printer for Ontario, 2006
		*			141	unauy	a acha				



Ministry of the Environment

Well Taç No.)
A 068527
A068527

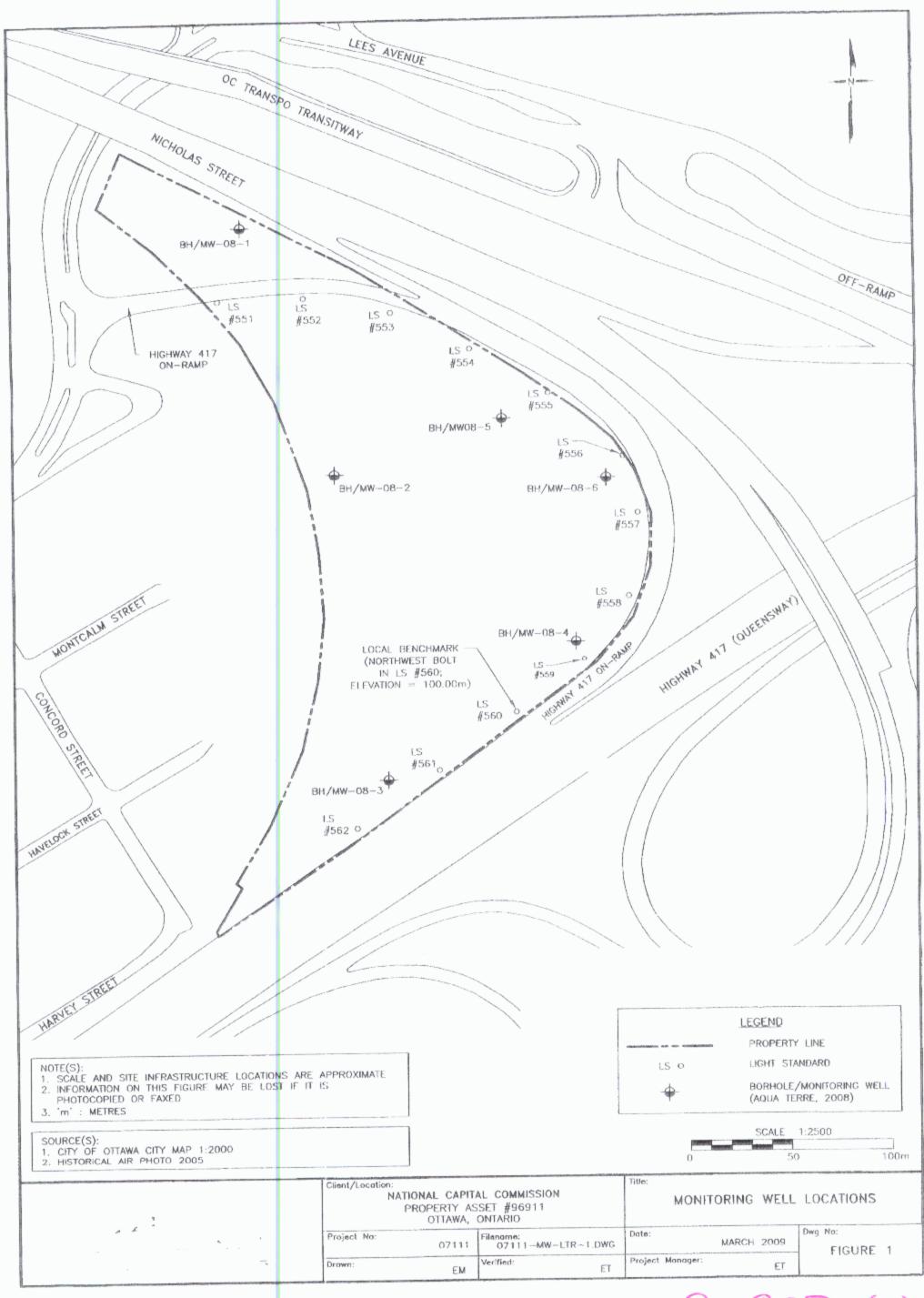
Cluster Well Information for Cluster Well Construction

Regulation 903 Ontario Water Resources Act

Page ____ of ___

Addres	ss of Well Location (Street Number/Name,		Lot	^	Concession	Township			Count	ty/District/Mui	nicipality	upon request	
City/Ta	Highway 457 @ Greents		NC	c Prope	nty Asset	# 96						Signature of Technician/Contractor	Date (yyyy/mm/dd)
	A 11 .	ntario P	ostal Code		GP\$ Unit Make	Model		de of Opera entiated, s		differentiated	Averaged	Bus Don	2009/04/06
Well # on Sketch	UTM Coordinates Zone Easting Northing	Full Depth o Hole (metres		Method o Construction	00	Casing Length (metres)	Screen Inte	erval (metres)	Annular Space Sealant Used	Static Water Level (metres)	Abandonment Sealant Used	Comments	Date of Completion (yyyy/mm/dd)
08-2	19447044502949	3 6.0	20	HSA	PYC	3.0	3.0	6.0	Benjonite				2008/06/23
mw 08.3 mw	18447066502937	0 6.0				3.0	3.0	60					2008/00/24
08-4 MW	18447/6/202941	3 6.0				3.0	3.0	6.0			-		2008/06/24
08.5 MW,	1844711245012952	1				3.7	3.7	Le. 7					2008/06/23
08/6	19447177502949	1 7.6	*	*	+	H. 6	4.6	7.6	*				2008/06/24

-													
	Contractor and Well Technician	Information										Date 1st Well in Cluster Constructed Date Last Well (yyyy/mm/dd) (yyyyy/mm/dd) (yyyy/mm/dd) (yyyyy/mm/dd) (yyyy/mm/dd) (yyyy/mm/dd) (yyyy/mm/dd) (yyyyy/mm/dd) (yyyy/mm/dd) (yyyyy/mm/dd) (yy	Il in Cluster Constructed
Postal	ss Name of Well Contractor ge Downing Estate Decode Business Telephon	e No. (inc. area	L+2 4(Well Contract	s (Street Number/N	e Grence	Address	Municipal	-Rouge		Province	Ministry Use Only	sted (yyyy/mm/dd)
	of Well Technician (First Name, Last Name	426	469	Well Technic	cian's Licence No. Da	te Submitted (y	yyy/mm/dd)	CXD/C Signature	of Technician	com		Audit No Remarks	
	ruce Powning			91	7 3 2	009/04/0	06	Due	ue b	func		c 03060 1700	1059
1991 (11	1/2006)					M	inistry's	Сору			1	© Queen's Pr	rinter for Ontario, 2006



JUN 0 3 2009

C-1844 mo1059 C03068

Go Back to Map

Well ID

Well ID Number: 7213463 Well Audit Number: *Z173676* Well Tag Number: *A154281*

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

Well Location

Address of Well Location	60 MANN AVE
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: 447236.00 Northing: 5029733.00
Municipal Plan and Sublot Number	
Other	_

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
BLCK	LOAM			0 m	.61 m
BRWN	SILT	SAND	SOFT	.61 m	2.4 m

8/1/2019 GREY

SILT

SAND

2.4 m 4.57 m

Annular Space/Abandonment Sealing Record

-	-	Type of Sealant Used (Material and Type)	
0 m	.31 m	CONCRETE	
.31 m	1.22 m	BENSEAL	
1.22 m	4.57 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	Open Hole or material	Depth	Depth	
Diameter		From	To	
3.45 cm	PLASTIC	0 m	1.5 m	

Construction Record - Screen

Outside Diameter Material Depth Depth From To
4.21 cm PLASTIC 1.5 m 4.57 m

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7241

After test	of well yield, water was
If pumpin	g discontinued, give reason
Pump inta	ike set at
Pumping 1	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	4.57 m	5.71 cm

Go Back to Map

Well ID

Well ID Number: 7191093 Well Audit Number: *Z156920* Well Tag Number: *A135003*

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

Well Location

Address of Well Location	191 LEES AVE	
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: 447535.00 Northing: 5029481.00	
Municipal Plan and Sublot Number		
Other		

Overburden and Bedrock Materials Interval

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

 BRWN
 SAND
 SILT
 SOFT
 2.44 m
 6.1 m

 GREY
 SAND
 SILT
 SOFT
 6.1 m
 8.99 m

Annular Space/Abandonment Sealing Record

		Type of Sealant Used (Material and Type)	Volume Placed
0 m	.31 m	FLUSHMOUNT/ CONCRETE	,
.31 m	7.16 m	3/8 BENTONITE CHIPS	
7.16 m	8.99 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	Open Hole or material	Depth	Depth
Diameter		From	To
4.03 cm	PLASTIC	0 m	7.47 m

Construction Record - Screen

Outside Diameter Material Depth Depth From To
4.82 cm PLASTIC 7.47 m 8.99 m

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7241

After test of well yield, water was
TA 1 11 1
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

Depth From	Depth To	Diameter
0 m	8.99 m	8.25 cm

Go Back to Map

Well ID

Well ID Number: 7249261 Well Audit Number: *Z215110* Well Tag Number: *A186560*

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

Well Location

Address of Well Location	99 MANN AVE.
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: 447375.00 Northing: 5029953.00
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	GRVL		0 m	1.5 m
BRWN	SAND	SLTY		1.5 m	2.74 m

8/1/2019 GREY

SAND

SLTY

2.74 m 6.1 m

Annular Space/Abandonment Sealing Record

-	-	Type of Sealant Used (Material and Type)	Volume Placed
0 m	.31 m	CONCRETE/FLUSHMOUNT	,
.31 m	2.74 m	BENTONITE	
2.74 m	6.1 m	SAND	

Method of Construction & Well Use

Method of Construction	Well Use
Air Percussion	
	Monitoring and Test Hole

Status of Well

Observation Wells

Construction Record - Casing

Inside	Open Hole or material	Depth	Depth
Diameter		From	To
5.2 cm	PLASTIC	0 m	3.1 m

Construction Record - Screen

Outside Diameter Material Depth Depth From To 6.03 cm PLASTIC 3.1 m 6.1 m

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7241

Results of Well Yield Testing

1	After test of well yield, water was	
1	If pumping discontinued, give reas	on
Dumming Date	Pump intake set at	
rumping Kate	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

Depth From	Depth To	Diameter
0 m	6.1 m	11.43 cm



Ministry of the Environment

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

A122841

1	aster Well R	
	ter Well Con	
Regulation	on 903 Ontario Wate	r Resources Ad
1	Page	of <u></u>
Notes de against		
race		

Maintain				<u> </u>		+	1	<u> MW11-1</u>			1 of _2
Martin of Million Control Cont								E-mail Ad-	drace		
Contraction of the Master Well in the Cluster								C-man Ad	urcos		
Location and Construction of the Misses Well in the Cluster. Accessed Wild Location (Other Number Mann, 16) Concessed Wild Location (Other Numb				1							No. (inc. area code)
Accessed will Location (Street Auchieverlane). For Terrenting SOL/33, Mann, A				ll in the Cluster	<u>awo</u>		<u> </u>	\mathcal{N}	IKHPU	<u> </u>	
Constitutional Debtate Constitutional Debtate Constitutional Debta	Address of	Well Location (Stre	et Number/Name, RR)	Towns	<u>~</u>	***************************************	<u> </u>		Lot	Concession	n .
UM Goodinates Zone (Easiny Northing Distum Male Mocie Delignation Delignation	$\frac{30}{3}$	33 Mann	<u>Avenue (L</u>	University of	7+ 01	Haw	<u>a)</u>			Dravinas	Destal Carla
Unit Coordinates Zone Easting Marthring Grey Luth sales Model Model of Coparition Martinates	County/Di	strict/wuriicipality			-						Postal Code
Construction and Bactrock Materials (see instructions or the basis of this form) Construction (Construction) Cascopilion From 10 Construction Cascopilion				GPS Un	t Make	Model	*******		•	Undifferentiated	Averaged
Control Cont							Y Hodogovaca	Differen		Dotallo	
Black A sphalt QCO G.		·	······································	T			Depth	(Metres)	noie		<u>::::::::::::::::::::::::::::::::::::</u>
granulac Fill	Colour	Material	Materials	Description	From	То	From	То		(Centîmet	res)
Grey Sandy Sill Holl 3,8 6,1	blacK_	asphalt			0,00	0.15	0,00	6.1		108mm	(
Grey Sandy Sill Holl 3,8 6,1		granular	Fill		0.15	0.76					
Sandy Sill fill 3,8 6,1	are/				0,76	3.8					
Public Installated Dec pend Corrections Depth Dept	GYEV		1				, , , , , , , , , , , , , , , , , , ,			.,,	
Public Incustriat Other, specify	7-7-		January and a state of the stat	NAME OF THE PERSON OF THE PERS	10	0.1		0054680058503830	Wat	erlise	
Cable Tool Cab				A DATE OF THE PROPERTY OF THE			1 —		dustrial 🔲	Not used	☐ Other, specify
Method of Construction General Procession Gen		\$					1	*******			
Construction Details	V	<u> </u>					Irrigati	on 🔲 Te			fitioning
Rotary (Conventional) Justing Bother, specify Software S			**************************************				□ Cable	Tool			aina
Status of Well Stat				THE THE THE THE TAX IS A PROPERTY OF THE THE THE THE THE THE TAX IS A PARTY.	ļ		Rotary	(Convention	nal) 🔲 Diamo	nd 🔲 Bor	ing ^s .
Status of Well								•			
Paper Pape	MATERIAL FOR THE STATE OF THE S							vereniye (ili vide)	Statu		
Depth Set at (Metres) Construction Details Contractor and Well Technician Information Business Rame of Well Contractor and Well Technical Information Business Rame of Well Contractor and Well Technical Information Business Rame of Well Contractor and Well Technical Information Business Rame of Well Contractor and Well Technical Information Business Rame of Well Contractor and Well Technical Information Business Rame of Well Contractor and Well Technical Information Business Rame of Well Contractor and Well Technical Information Business Rame of Well Contractor and Well Technical Information Business Rame of Well Contractor and Well Technical Information Business Rame of Well Contractor and Well Technical Information Business Rame of Well Contractor and Well Technical Information Business Rame of Well Contractor and Well Technical Information Business Rame of Well Contractor and Well Technical Information Business Rame of Well Contractor and Well Technical Information Business Rame of Well Contractor and Well Technical Information Business Rame of Well Contractor and Well Technical Information Business Rame of Well Contractor and Well Technical Information Business Rame of Well Contractor and Well Technical Information Business Rame of Well Contractor and Well Technical Information Business Rame of Well Contractor Rame of W			;								
No Casing and Screen Used		The state of the s	**************************************	AND			1 —				Quality
Construction Details							☐ Altera	tion (Constru	ction) 🗌 Aband	oned, other, <i>specif</i> y	
Vest No 188 Melres Screen 188 Melres 188 M									reen Used	Static Wat	er Level Test
Inside Diameter Material Centimeteres Cesteel, plastic, fibroglass, concrete, galvanized Titickness From To Galvanized Steel Fibroglass Concrete Plastic Centimeteres Stot No. St. No. Co.	19-0 -03/03-03/03-9-031		Construction	 	**************************************	humbehuthetes	1 - 1		10	1138 Me	tres
State PVC State Inspect State Stat			Material	Wall	1 ' '	,	□ Calvar				-t- (SZ D)ti-
Section Sect		tres) (steel, plastic				c 1	Accord	house		trains	ete X Plastic
Water found at Depth	_ <u>_</u> 2'I_		PVC		1,2	6.1		<u>5.8</u>			
Metres Gas Freeh Salty Sulphur Minerals					****		Water for	ind at Dont			
Annular Space/Abandonment Sealing Record Depth Set at (Metres)			<u> </u>		***************************************		VValer 10	· _			Sulphur Minerals
Depth Set at (Metres) From To Volume Used (Cubic Metres) From To Well Contractor and Well Technician Information Well Contractor No. Well Contracto				<u> </u>	1		Water for	_			
Metres Gas Fresh Salty Sulphur Minerals	Denth Set			*,************************************	Volum	Llood	Water for				Sulphur Minerals
Monitoring Well 2011 0 25 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 inclicate Number of Cluster Well Information Log Sheets Submitted 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. Elected Map must be provided as an attachment no larger than legal size (8.5 x 14"). Sketches are not allowed. Elected Map must be provided as an attachment no larger than legal size (8.5 x 14"). Sketches are not allowed. Elected Map must be provided as an attachment no larger than legal size (8.5 x 14"). Sketches are not allowed. Elected Map must be provided as an attachment no larger than legal size (8.5 x 14"). Sketches are not allowed. Elected Map must be provided as an attachment no larger than legal size (8.5 x 14"). Sketches are not allowed. Elected Map must be provided as an attachment no larger than legal size (8.5 x 14"). Sketches are not allowed. Elected Map must be provided as an attachment no larger than legal size (8.5 x 14"). Sketches are not allowed. Elected Map must be provided as an attachment no larger than legal size (8.5 x 14"). Sketches are not allowed. Elected Map must be provided as an attachment no larger than legal size (8.5 x 14"). Sketches are not allowed. Elected Map must be provided as an attachment no larger than legal size (8.5 x 14"). Sketches are not allowed. Elected Map must be provided as an attachment no larger than legal size (8.5 x 14"). Sketches are not allowed. Elected Map must be provided as an attachment no larger than legal size (8.5 x 14"). Sketches are not allowed. Elected Map must be provided as an attachment no larger than legal size (8.5 x 14"). Sketches are not allowed. Elected Map must be provided as an attachment no larger than legal size (8.5 x 14"). Sketches are not allowed. Elected Map must be provided as an attachment no larger than legal size			(Material and Typ								ulphur 🔲 Minerals
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Location of Well Cluster							Total We	le on this P	roperty	Information Log 8	Sheets Submitted
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Business Name of Well Contractor Well Contractor's Licence No. George Downing Estate Drilling Business Address (Street No. Walme, number, RR) Business Address (Street No. Walme, number, RR) Well Contractor's Licence No. Signature Well Contractor's Licence No. Signature Well Contractor's Licence No. Signature Well Contractor No. Well Contractor's Licence No. Ministry Use Only Audit No. Well Contractor No. Well Contractor No. Well Contractor No. Well Contractor No. Well Contractor's Licence No. No. Well Contractor's Licence No. No. Well Contractor's Licence No. Well Contractor's Licence No. Well Contractor's Licence No. No. Well Contractor's Licence No. Ministry Use Only Audit No. Well Contractor No. Well Contractor's Licence No. No. Well Contractor's Licence No. Well Contractor's Licence No. Well Contractor's Licence No. Well Contractor's Licence No. No. No. No.	Equation on the control of the contr				elektykister i er i i i i i i i i i i i i i i i i		Signature	of Technici	an/Contractor		
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Horus Opincipale Grenville-Sur-la-Rouge Audit No. Province Postal Code Business E-mail Address QC JUVI BIO Accuning Chawkigs net Business E-mail Address Bus. Telephone No. (inc. area code) Name of Well Technician (Usest Name, First Name) S1192426469 Downing, Bruce. Well Technician's Licence No. Signature of Technician Date Submitted (yyyy/mm/dd) Date Submitted (yyyy/mm/dd) Remarks MAR 2 8 2012	George	Downing	Estate Drilli	ng 111	814	14	Signature	10 Ans	<i>A</i>	.,	1 -
Bus. Telephone No. (inc. area code) Name of Well Technician (Last Name, First Name) SIL 191214121614169 Downing, Bruce Well Technician's Licence No. Signature of Technician Date Submitted (yyyy/mm/dd) Date Submitted (yyyy/mm/dd) Remarks MAR 2 8 2012	11125		ame, number, RR)	d Municipality	W 10 5	2	<u>146H</u>	<u>.4~10</u>	A V		2105108
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1000 (41 0000)	Sus. Telepho	ле №. <i>(inc. area code</i> 7[Ц[7] <i>[</i> _ Ц[/]0	Name of Well Technici	an (wast Name, First Na Rosco	ame)		Date Rece			Date of Inspection	(yyyy/mm/dd)
1000 (41 0000)	Well Technic	ian's Licence No. Sign	nature of Technician	Date Sub		y/mm/dd)	Remarks	MAR 4	O LUIL	***************************************	
	4	1111/6	and in			<u> </u>			·	20	Printer for Ostoria 1990



Ministry of the Environment

Well Tag No. for Master Well (Print Well Tag No.) ムレスタリト

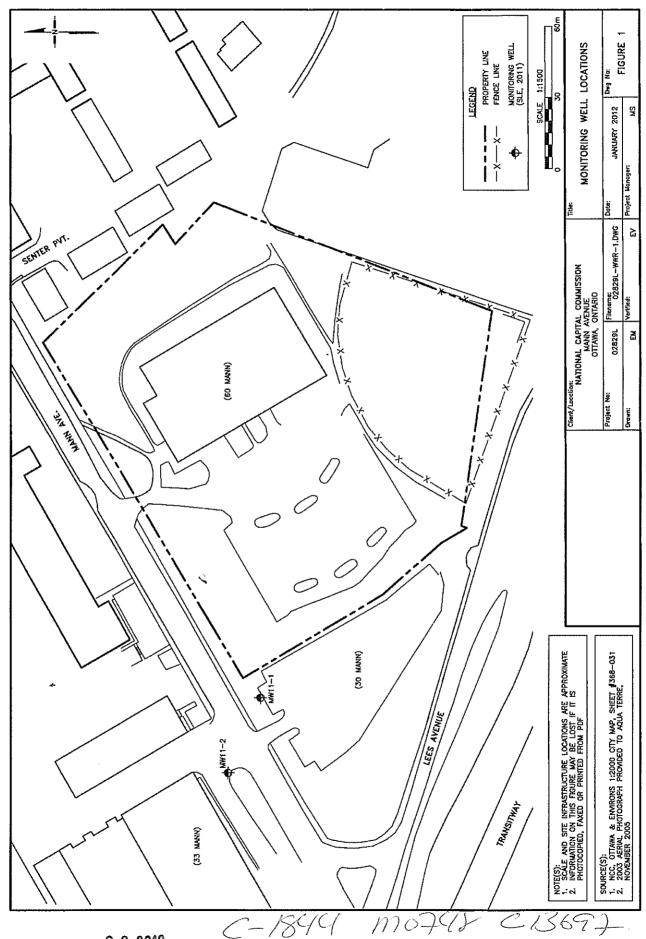
Cluster Well Information for Cluster Well Constructio

Regulation 903 Ontario Water Resources A

Page $\frac{2}{\sqrt{2}}$ of $\frac{2}{\sqrt{2}}$

Risk and Insurance **Property Owner's Information** Consent Mailing Address (Street No./Name, RR) Municipality First Name Property Owner's Consent to use cluster form University of Ottowa C/O Date (yyyy/mm/c IN 7 B 7 9 cmmay Quottawa ca 2012-03 35625800 consent to release additional information to the Director **Cluster Well Information** upon réquest Address of Well Location (Street Number/Name, RR) Concession Township County/District/Municipality Signature of Technician/Contractor Date (yyyy/mm/c 30/33 Mann Avenue City/Town/Village 2012/01/1 Province Postal Code GPS Unit Make Model Unit Mode of Operation ☐ Undifferentiated √ Averaged Oftawa Ontario Ftrex Carmin ☐ Differentiated, specify: Well# **UTM Coordinates** Full Depth of Hole Diameter Method of Casing Material Casing Length Static Water Date of Complet Screen Interval (metres) Annular Space Abandonment Comments Sealant Used Hole (metres) Construction on Sketch (cm) Level (metres) Sealant Used (yyyy/mm/dd) Zone Easting Northina From To MW PVC HSA 1.5 1,5 201111/2 6.1 Bentonite 108mm 1844171112145101219171814 Date Last Well in Cluster Constru Date 1st Well in Cluster Constructed Well Contractor and Well Technician Information (yyyy/mm/dd) Business Name of Well Contractor Business Address (Street Number/Name, RR) Municipality Province George Downing Estate Drilling Limited Postal Code Business Telephone No. (Inc. area code) Ministry Use Only | Well Contractor's Licerice No. Business E-mail Address Grenville-sur-la-Rouge Date Received (yyyy/mm/dd) Date Inspected (yyyy/mm/dd) J | 0 | V | 1 | B | 0 | 8 | 1 | 9 | 2 | 4 | 2 | 6 | 4 | 6 | 9 | Name of Well Technician (First Name, Last Name) Well Technician's Licence No. Date Submitted (yyy/mm/dd) Signature of Technician Downing 2011/01/11 1991 (11/2006) @ Queen's Printer for Ontario, 20

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MAR 2 8 2012

Go Back to Map

Well ID

Well ID Number: 7264958 Well Audit Number: *Z222241*

Well Tag Number:

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

Well Location

Address of Well Location	60 MANN AVE
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: 447248.00 Northing: 5029855.00
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

-	-	Type of Sealant Used (Material and Type)	
0 m	.31 m	OTHER	
.31 m	.91 m	BENTONITE	
.91 m		GROUT SLURRY	

Method of Construction & Well Use

Method of Construction Well Use

Status of Well

Abandoned-Other

Construction Record - Casing

Inside	Open Hole or material	Depth	Depth
Diameter		From	To
5.2 cm	PLASTIC		

Construction Record - Screen

Outside Diameter Material Depth Depth From To

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

Recommend	led	pum	p d	lept	th

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

Depth From	-	Diameter
0 m	4.57 m	6.03 cm



Winistry of the Environment

All measurements recorded in: X Metric Imperial

Follow instructions on the front and back of this form.

JUL 1 3 2012

Print or Type

Well Record for Well Cluster - Part 1 of 3

(Only for Multiple Test Holes or Dewatering Wells)

Regulation 903 Ontario Water Resources Act

Page	l	of	3
rage	· ·	OT	

	luster Location Information														Mand	atory Attachments/Additio	nal Inform	ation
Address of Well Location (Street Number(s)/Name(s), RR, if available)			Lot(s)		Conces	sion(s)	Geograp	hic Towr	nship			County/[District/Upp	per Tier Municipality	⊠ L	and Owner Consent Form must	be attached	•
191	Lees Avenue vn, Village or Hamlet															etailed Drawing of All Well Loca		
City, Tov	vn, Village or Hamlet		Provinc	е	GPS Ur	it Make	Model		Unit I	Mode of	Operation	on 📗	Undifferen	ntlated X Averaged	I, the p	person constructing the well, will p or, on request, any additional infor		
	Ottawa		Onta	rio	Carn	oivo	Etre			Differenti	ated, spe	ecify:			contro	related to any well in the well clu	ster that I hav	e constructed.
Well D					ICICITI		<u> </u>	X							Signat	rure of Technician/Contractor	$7\frac{2012}{\text{Date (yy)}}$	105/04 /y/mm/dd)
Well #	UTM Coordinates	Hole	Hole		od of	Casing Material:		sing	Screen (m	Interval	Annul	ar Space	Material		Overburden		Static	Date of
on Drawing	Zone Easting Northing	Depth (m/ft)	Diameter (cm/in)	Const	ruction	Diameter (cm/in)	From	/ft) To	From	/it) To	From	(m/ft) To	Materia	1	nment Filing M	faterial Intervals (m/ft)	Water Level (m/ft)	Completion (yyyy/mm/dd)
BH/MW 12-01	184474165029452	8.53	20	HS	ρA	5.1	0.00	5.51	5.51	7.00	0.10	5,50	Benton	ite concrete;	(3.05 fill (3	7,00 8.21 8.53 Sand, till, clay	3.84	2012/02/2
12-02	184474545029445	4.00				(V)	0,00	1.64	1.64	3.20	0.11	1,32				till 4,00 51, clay 2,31, sand 3.60	1,94	2012/02/17
12-03	118 41417171915 5101219141415	8.50							7,05			6.71				92, 411 8,50		2012/02/16
12-04	184475085029405	9.60					Stickup Cosing -2,60H	7.65	7.65	9.15	0.12	7.31		fill 0-5,49	, Sand	9.15, 711 9.60	8,47	2012/02/16
12-05	184475005029335	7,92					Str. K 1. D		6.40		 	 		Fill 0-3,68	sand 7	1,31, 1117,92	5,06	2012/02/21
12-06	1 18 414 714 618 510 219 13 15 15	10,00		ļ			casing -2,60ft	8.34	8.34	9,70	0.12	8.03		fill 0-14,00,	<u>sand 9</u> ;	79, 41110,00	8,00	2012/02/21
12-07	11841417141916 5101219141717	9.60					0,05	7,62	7,62	9,05	0.11	7,31		Fill 0-14,00	, sand 9	17, 4119,60	6.60	2012/02/15
12-08	1 18 4417151613 5101219141817	9.10					0,09	7,62	7.62	9,03	0.12	7,31		fillo-3,69,	sand 8	87, 1119.10	6,60	2012/02/14
12-09	118 414 715 19 17 510 12 19 14 17 12	10,20					0,06	7.79	7,79	9,20	0.11	7,49				91, 411 10,20	6.80	2012/0 3 /13
12-10	184475725029449	9.80	1			1	0,05	8.21	8.21	9.66	0.11	7,91	\downarrow	fillo-4,89	, sand c	1,60, 411 9,80		
	Contractor and Well Technician Informa										Date F	irst Well ir	n Cluster Co yyy/mm/dd	onstructed Date Last \ Completed		Ministry Use Only	[A 32 A)	
			Street Numb		L.	Municipali <u>venvリ</u> ddress	-	-la-Ro		vince QC	201	2/02 Abandoi	113		02/22	Date Received (yyyy/mm/dd) Comments: 3 2012		15830
	VIIBO8192426469 I f Well Technician (First Name, Last Name) Well Tec			1		<u> Anaw</u> Technician				.1			ning the W	/ells:				
Bru	_	.173	Cence NO.	Signatur	e or well	neciniciai	i		11ea (yyyy 35/04		1 raille	City (Print or T	ot C	Hawa nstruction 11 on the back	of this form			

Well Tag No. of Deepest Well: (Print Well Tag No.)

Well # on Drawing of Deepest Well: BH/MW 12-09

A122899



Well Record for Well Cluster - Part 2 of 3 Land Owner Consent

This form is to be completed by the person who constructs or abandons test holes or dewatering wells that form all or part of a well cluster. If this form is being used to report any well abandonment, these wells must have been previously reported as part of a single well cluster.

Note: For well cluster records, only the owners of the land on which the wells are situated are to give written consent. If the well purchaser (e.g. a consultant who hires the driller) is not the owner of the land, then the well purchaser cannot sign the consent form.

By signing this form, land owners are providing consent to use one well record to report a well cluster of test holes or dewatering wells in accordance with section 16.4 of Regulation 903 made under the *Ontario Water Resources Act*.

This completed Well Record for Well Cluster Part 2 - Land Owner Consent must be attached to Parts 1 and 3.

* Please PRINT if completing by hand.

Well Tag Number: #_ Tag#: A122889

"Well Record for Well Cluster" Audit Number: # ________________

Well # on Detailed Drawing	Property Location Descriptio	on	Land Owner's Name	Signature of Land Owner	Date Signed (yyyy/mm/dd)
BH/MW 12-01	191 Lees Avenue, Ottawa		City of Ottawa		2012/07/10
BH/MW 12-02	(4))		k (f		
BH/MW 12-03	ti 1	11	(t		
BH/MW 12-04	l(//	() //		
BH/MW 12-05 12-06	tı "	/	£į t		
BH/MW 12-07 12-08	lt 1/	1	((
BH/MW 12-09 12-10	(("	C15830		

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Part 1 - Ministry's Copy

2059E (2011/05)

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Disponible en français

Page 1 of 1



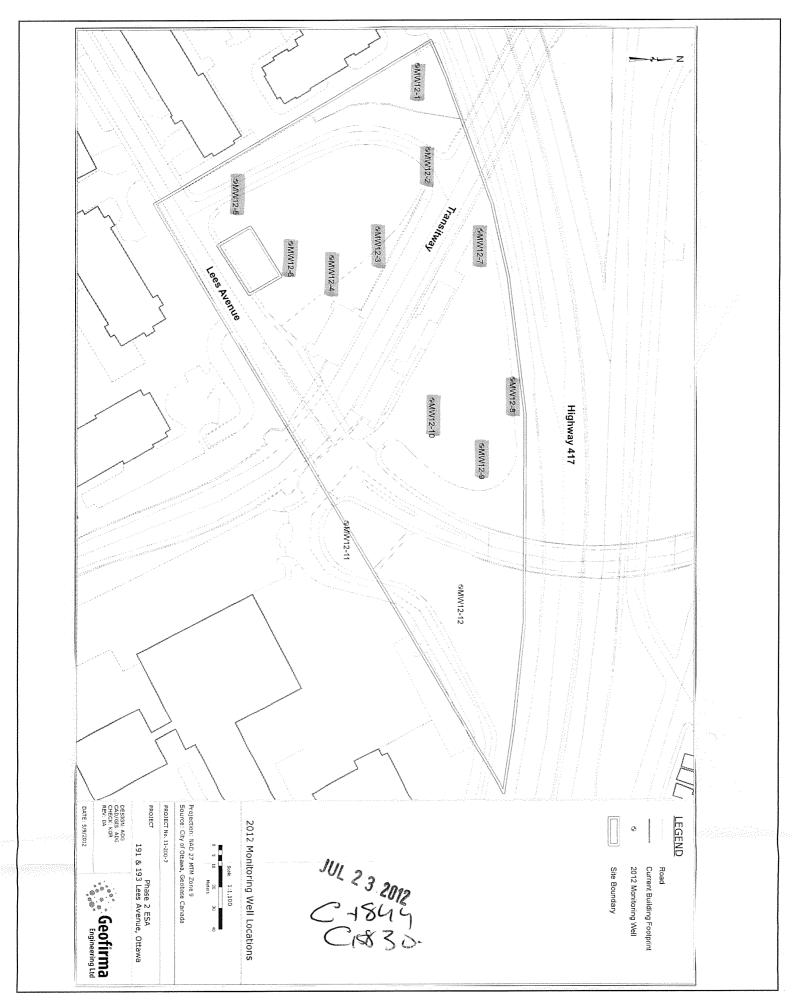
Well Record for Well Cluster - Part 3 of 3 Detailed Drawing of All Well Locations

Note: This Well Record for Well Cluster Part 3 - Detailed Drawing of all Well Locations, must be attached to Parts 1 and 2. The drawing must include all property boundaries, an arrow indicating the North direction, all named roads and sufficient measurements to locate all wells in the cluster in relation to fixed points. The drawing must show the location of each well and each well must be numbered on the drawing to match number used for that well on the Well Record for Well Cluster Parts 1 and 2. The well with the well tag must be clearly identified on the Drawing.

UTM coordinates should appear beside each well. if space permits. Additional comments on wells can be included on the drawing

Well Tag Number: # Tag#: A122889

"Well Record for Well Cluster" Form Audit Number: # <u>0.5830</u>



Go Back to Map

Well ID

Well ID Number: 7242735 Well Audit Number: Z207749 Well Tag Number: A175684

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

Well Location

Address of Well Location	86 TEMPLETON 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: 447122.00 Northing: 5029467.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
BRWN	LOAM		SOFT	0 m	.31 m
BRWN	SAND	STNS	SOFT	.31 m	2.13 m

GREY CLAY SILT SOFT 2.13 m 5.18 m BLCK SHLE LYRD 5.18 m 8.89 m

Annular Space/Abandonment Sealing Record

Depth From	-	Type of Sealant Used (Material and Type)	Volume Placed
0 m	.31 m	CONCRETE/FLUSHMOUNT	1
.31 m	5.79 m	BENTONITE	
5.79 m	8.84 m	FILTER SAND	

Method of Construction & Well Use

Method of Construction	Well Use
Air Percussion	
DIRECT PUSH	Monitoring and Test Hole

Status of Well

Observation Wells

Construction Record - Casing

Inside	Open Hole or material	Depth	Depth
Diameter		From	To
5.2 cm	PLASTIC	0 m	5.79 m

Construction Record - Screen

Outside Diameter Material Depth Depth From To 6.03 cm PLASTIC 5.79 m 8.89 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

Depth From	-	Diameter	
4.88 m	8.84 m	7.02 cm	
0 m	9.88 m	11.43 cm	

APPENDIX 3

QUALIFICATIONS OF ASSESSORS

Mark S. D'Arcy, P. Eng.



Geotechnical Engineering

Environmental Engineering

Hydrogeology

Geological Engineering

Materials Testing

Building Science

Archaeological Services

POSITION

Associate and Supervisor of the Environmental Division Senior Environmental/Geotechnical Engineer

EDUCATION

Queen's University, B.A.Sc.Eng, 1991 Geotechnical / Geological Engineering

MEMBERSHIPS

Ottawa Geotechnical Group Professional Engineers of Ontario

EXPERIENCE

1991 to Present

Paterson Group Inc.

Associate and Senior Environmental/Geotechnical Engineer Environmental and Geotechnical Division Supervisor of the Environmental Division

SELECT LIST OF PROJECTS

Mary River Exploration Mine Site - Northern Baffin Island

Agricultural Supply Facilities - Eastern Ontario

Laboratory Facility – Edmonton (Alberta)

Ottawa International Airport - Contaminant Migration Study - Ottawa

Richmond Road Reconstruction - Ottawa

Billings Hurdman Interconnect - Ottawa

Bank Street Reconstruction - Ottawa

Environmental Review - Various Laboratories across Canada - CFIA

Dwyer Hill Training Centre - Ottawa

Nortel Networks Environmental Monitoring - Carling Campus - Ottawa

Remediation Program - Block D Lands - Kingston

Investigation of former landfill sites - City of Ottawa

Record of Site Condition for Railway Lands - North Bay

Commercial Properties - Guelph and Brampton

Brownfields Remediation - Alcan Site - Kingston

Montreal Road Reconstruction - Ottawa

Appleford Street Residential Development - Ottawa

Remediation Program - Ottawa Train Yards

Remediation Program - Bayshore and Heron Gate

Gladstone Avenue Reconstruction – Ottawa

Somerset Avenue West Reconstruction - Ottawa

Samuel Berube, B. Eng.

patersongroup

Geotechnical Engineering

Environmental Engineering

Hydrogeology

Geological Engineering

Materials Testing

Building Science

Archaeological Services

POSITION

Junior Environmental Engineer

EDUCATION

University of Guelph, B.Eng., 2019 Environmental Engineering

EXPERIENCE

2019 – Present
Paterson Group Inc.
Consulting Engineers
Geotechnical and Environmental Division
Junior Environmental Engineer

2018

Health Canada FNIHB

Proposal and Final Design Review Student Engineer

SELECT LIST OF PROJECTS

Subgrade Reviews – Various Sites – Ottawa
Density Testing – Residential and Commercial Sites – Ottawa
Bearing Surface Investigations – Various Sites - Ottawa
Density Testing – Various Sites - Ottawa
Phase I Environmental Site Assessments – Residential and Commercial Sites –
Ottawa (CSA Z768-01)
Contaminated Soil and Groundwater Sampling – Various Sites – Ottawa