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Phase I - Environmental Site Assessment

Existing Commercial Property
175 St. Lawrence Street
Gananoque, Ontario

Gananoque in 1935

Prepared For

R.M.P. Contracting & Development

July 25, 2013

Report: PE2861-1

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EXECUTIVE SUMMARY

Assessment

The results of the historical research indicated that the subject site was developed circa 1904 and has been used for industrial or commercial purposes or as a parking lot since that time. The historical research identified potentially contaminating activities which were present on the subject site including the former storage of fuel/presence of fuel storage tanks on the site, the former presence of bulk lumber storage on the site, the former presence of a railway spur line on, or adjacent to the south portion of the site and the potential presence of fill used to grade the subject site. Four (4) additional potentially contaminating activities or potential environmental concerns were identified within the Phase I study area during the historical research, however, they are not suspected to have impacted the subject land given their locations and/or orientations with respect to the subject land. No environmental concerns were identified with the neighbouring properties.

Previous historical (Phase I-ESA) and subsurface (Phase II–ESA) environmental investigations were conducted on the subject site by others in 2009 and in 2010. Several of the analytical test results at the time of the previous Phase II ESA indicated the presence of petroleum hydrocarbons, metals and polycyclic aromatic hydrocarbons in the fill material and some petroleum hydrocarbon concentrations in the groundwater. The analytical results indicated that several parameters were present in excess of the MOE standards. The approximate location of contaminated soil and groundwater appeared to be limited to the east portion of the site.

Following the historical review a site visit was conducted. The site is occupied by a vacant commercial building and a public restroom building. The remaining site area is used as a parking lot. No areas of potential environmental concern were identified on the site or neighbouring properties at the time of the site visit.

Recommendations

Based on the results of the assessment, **it is our opinion that an additional environmental investigation in the form of a Phase II – Environmental Site Assessment, will be required for the property.**

It is our understanding that the subject property is to be redeveloped. As part of the redevelopment of the property, the existing site building will be demolished. Prior to the demolition of the subject building, a designated substance survey (DSS) will be required to be conducted in accordance with the Occupational Health and Safety Act.

1.0 INTRODUCTION

At the request of R.M.P Contracting and Development, Paterson Group (Paterson) conducted a Phase I - Environmental Site Assessment (ESA) of the property located 175 St. Lawrence Street, in the Town of Gananoque, Ontario. The purpose of this Phase I – Environmental Site Assessment (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. Andrew Ball, Project Manager at RMP Contracting and Development, the prospective purchaser and developer of the site, located at 709 Cotton Mill Street, Cornwall, Ontario, K6H 7L3. Mr. Ball can be reached by telephone at (613) 933-0111. The Phase I – ESA was commissioned to support the filing of a record of site condition (RSC) for a modification in land use from commercial to residential land use.

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

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

2.0 PHASE I PROPERTY INFORMATION

Address:	175 St. Lawrence Street, Gananoque, ON.
Parcel Identification Number:	44249-0098
Assessment Roll Number:	0814000010011000000
Legal Description:	Lots 546 to 554, Inclusive, Compiled Plan No. 86 (West), Geographic Township of Leeds, in the Town of Gananoque.
Location:	The site is bounded by St. Lawrence Street to the north, Kate Street to the west, Market Street to the east and by Water Street to the south. For the purposes of this report, St. Lawrence Street is considered to be oriented in an east-west direction. Refer to Figure 1 - Key Plan following the body of this report for the site location.
Latitude and Longitude:	45° 19' 26" N, 76° 09' 45" W.

Site Description:

Configuration:	Rectangular.
Site Area:	0.58 hectares (approximate).
Zoning:	Commercial Zoning.
Current Use:	The subject site is currently occupied by a one and two storey building on the northeast portion of the site, which was vacant at the time of the site assessment. A single storey public washroom building is present on the southwest portion of the site. The remaining portion of the site is used as a paved parking area.
Services:	The subject site is serviced by municipal water and sewer services. Natural gas and electricity are supplied to the site by utility companies.

3.0 SCOPE OF INVESTIGATION

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

- Determine the historical activities on the subject site and study area by conducting a review of readily available records, reports, photographs, plans, mapping, databases and regulatory agencies;
- Investigate the existing conditions present at the subject site and study area by conducting site reconnaissance;
- Conduct interviews with persons knowledgeable of current and historic operations on the subject property, and if warranted, neighbouring properties;
- Present the results of our findings in a comprehensive report in general accordance with the requirements of Ontario Regulation 153/04 as amended O. Reg. 269/11 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 Study Area Determination

A radius of 250 m was determined to be appropriate as a Phase I study area for this Phase I Environmental Site Assessment. 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

According to the chain of title the site was owned by individuals from 1852 to at least 1904. A portion of the site was transferred to Gananoque Spring & Axle Co. Ltd. in August of 1904. Various industrial and commercial companies have been registered owners of the site since 1904 to present, these owners include Mitchell & Wilson Ltd., Saleslie Inc., The Ontario Steel Products Company Limited, Imperial Oil Limited, Shortall Fuel Company Limited, Gananoque District Co-operative, Gananoque Boat Line Limited and The Corporation of the Town of Gananoque. Aerial photographs from 1935 to 2005 show the presence of industrial or commercial buildings on the site. For the purposes to this report, it is considered that the site was first developed in 1904 and was used for industrial purposes at that time.

Fire Insurance Plans

Fire insurance plans (FIPs) were reviewed at the National Archives as part of this assessment. The 1926 and 1947 FIPs were reviewed for the site and some of the Phase I study area. Sheet 5 of the 1926 FIPs show fuel storage tanks and “Imperial Oil Ltd.” on the southeast portion of the site, a “Planing Mill” on the northeast portion of the site and lumber storage on the west portion of the site. The 1947 FIP shows Imperial Oil Ltd. with several underground fuel storage tanks near the east-central portion of the site, a “Planing Mill” on the northeast portion of the site, a Coal storage shed on the southeast portion of the site and lumber and other construction materials storage on the west portion of the site.

The following potentially contaminating areas were observed in the 1947 FIPs. Rail tracks and spurs are present to the south of the site, in the present day Water Street right-of-way. Underground fuel storage tanks are shown approximately 35 m east and 45 m south of the site, respectively. A wharf is shown on the north shore of the St. Lawrence River, approximately 60 m south of the site.

Town of Gananoque Street Directories

City directories from 1927 and 1929 were reviewed as part of a previous Phase I ESA in 2009. It should be noted that the National Archives does not have copies of city directories for Gananoque. The following listings were identified for the subject property in the city directories reviewed in 2009.

Table 1: City Directories – Site Listings

Site Occupant	From	To	Potential Environmental Concern (Y / N)
South Side of St. Lawrence Street (between Kate Street and Market Street)			
Mitchell & Wilson Ltd. (lumber products)	1927	1929	Y
North Side of Water Street (between Kate Street and Market Street)			
Imperial Oil Ltd.	1927	1929	Y

The aforementioned listings represent two potentially contaminated activities on the subject site. Mitchell & Wilson Ltd. (lumber products) has the potential to be associated with Item 58. “Wood Treating and Preservative Facility and Bulk Storage of Treated and Preserved Wood Products”. Imperial Oil Ltd. is associated with Item 28. “Gasoline and Associated Products Storage in Fixed Tanks”. The aforementioned uses are classified as Potentially Contaminating Activities (PCAs) under O. Reg. 153/04.

The historic land use of neighbouring properties in the Phase I Study area was reviewed in the city directories. Potentially contaminating activities identified in the 1927/1929 city directories are summarized in Table 2 below.

Table 2: City Directories – Potentially Contaminating Activities in Phase I Study Area			
Address	**Listed Activity**	**Distance / Orientation from site**	**Potential Environmental Concern for Subject Site (Y / N)**
South Side of Water Street	Railway Tracks	Adjacent to south	Y
South Side of Water Street	Thousand Islands Railway Depot	50 m southeast	N

The former rail yard and the majority of the railway tracks identified in the city directories research are not considered to have had to potential to significantly impact the subject site given their distances and/or orientations with respect to the subject property. Any railway tracks or spurs present on the southern portion of the site have the potential to have impacted the subject land.

Chain of Title

Paterson verified the current land title with Read Abstracts Limited. The current land title indicated that since August 1993, the registered owner of the subject site was The Corporation of the Town of Gananoque. According to the Chain of Title dated July 22, 2013, this is the current owner of the subject property. The notable industrial/commercial owners of the site which were identified were: Gananoque Spring & Axle Co. Ltd., Mitchell & Wilson Ltd., Saleslie Inc., The Ontario Steel Products Company Limited, Imperial Oil Limited, Shortall Fuel Company Limited, Gananoque District Co-operative, Gananoque Boat Line Limited and The Corporation of the Town of Gananoque. The site was used for industrial or commercial purposes since circa 1904 to present. A copy of the Chain of Title is provided in Appendix 1.

Environmental Reports

An inquiry to the property owner was made to obtain a copy of any previously prepared reports for the subject property, including:

- Environmental site assessment reports,
- Remediation reports,
- Reports prepared in response to an order or request of the Ministry; and,
- Any other reports relating to the presence of a contaminant on, in or under the site or the existence of an area of potential environmental concern.

The following reports were reviewed prior to conducting the Phase I ESA:

- "Phase I Environmental Site Assessment, 175 St. Lawrence Street & 125 Water Street West, Gananoque, Ontario" prepared by Trow Associates Inc., dated September 2009; and,

- "Phase II Environmental Site Assessment, 175 St. Lawrence Street (Former Mitchell and Wilson Property), Gananoque, Ontario" prepared by Trow Associates Inc., dated September 2010.

The 2009 Phase I ESA was completed for the subject site and the property to the south of Water Street west. This summary will consist of findings for the subject site alone. Areas of potential environmental concern (APECs) were identified with respect to the historical uses of the subject site by Mitchell & Wilson as a lumber yard/business, Imperial Oil Ltd. as a fuel storage facility with associated underground fuel tanks and Shortalls Fuel Company, with a large coal shed and above ground storage tanks. Various rail lines in the vicinity of the site were also considered an APEC. A Phase II ESA was recommended to assess the APECs identified on the subject site and neighbouring properties.

The 2010 Phase II ESA was conducted to assess the APECs identified at the time of the aforementioned Phase I ESA. A total of six (6) boreholes were drilled and two (2) monitoring wells were installed on the subject property. Soil and groundwater samples were submitted for analysis of a combination of heavy metals, volatile organic compounds (VOCs), polycyclic aromatic hydrocarbons (PAHs) and petroleum hydrocarbons (PHCs).

Various heavy metals, PHC and PAH concentrations were found to exceed the MOE Table 9 standards in several of the soil samples analysed at the time of the Phase II ESA. The exceedances appeared to be distributed across the eastern half of the site. The F3 range of PHCs was found to exceed the MOE Table 9 standards in the analysed groundwater sample from MW-2. Additional delineation of the identified impacted soil and groundwater was recommended.

Plan of Survey

A plan of survey, dated November 2012, prepared by Hopkins, Cormier & Chitty Surveying Consultants Inc. was provided to Paterson for review. The survey plan shows the lots which comprise the site. The survey plan is considered to be current as it depicts the site in its current configuration. A copy of the provided plan of survey and site plan are included in Appendix 1.

4.2 Environmental Source Information

Environment Canada

A search of the National Pollutant Release Inventory (NPRI) was conducted electronically on July 18, 2013. The subject site and adjacent properties were not listed in the NPRI database. No records of pollutant releases were listed in the data base for properties located within the Phase I Study Area (i.e. 250 m radius of the site) for the listed years of 1994 to 2011.

PCB Inventory

A search of national PCB waste storage sites was conducted. The site was not listed as a PCB storage site. One (1) PCB waste storage site was identified within the Phase I study area. Camcar Textron Canada Inc. was identified approximately 100 m north of the site. Given the distance from the subject site and the relatively low mobility of PCBs in the subsurface environment, the presence of the aforementioned PCB storage site is not suspected to have impacted the subject land.

Ontario Ministry of Environment (MOE) Instruments

A request was submitted to the MOE Freedom of Information office for information with respect to certificates of approval, permits to take water, certificates of property use or any other similar MOE issued instruments for the site. No MOE instruments were available in the MOE response. A copy of the response is included in Appendix 2.

MOE Coal Gasification Plant Inventory

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

MOE Incident Reports

A request was submitted to the MOE Freedom of Information office for information with respect to records concerning environmental incidents, orders, offences, spills, discharges of contaminants or inspections maintained by the MOE for the site or adjacent properties. No MOE incident reports were available in the MOE response. A copy of the response is included in Appendix 2.

MOE Waste Management Records

A request was submitted to the MOE Freedom of Information office for information with respect to waste management records. Applicable information of current and historical waste storage locations, waste generators and waste receivers pursuant to Regulation 347 of the Revised Regulations of Ontario, 1990 (O. Reg. 347) was considered in this review. No waste management records were provided by the MOE. A copy of the response is included in Appendix 2.

MOE Submissions

A request was submitted to the MOE Freedom of Information office for information with respect to reports related to environmental conditions are expected to have been submitted to the MOE. No MOE submissions were available in the MOE response. A copy of the response is included in Appendix 2.

Ontario Ministry of the Environment (MOE) Notices and Instruments

A search of the MOE Brownfields Environmental Site Registry was conducted as part of this assessment for the site, neighbouring properties and the general area of the site. No records of site condition (RSCs) were identified within the Phase I study area (i.e. 250 m radius of the site).

MOE Waste Disposal Site Inventory

The Ontario Ministry of Environment document titled "Waste Disposal Site Inventory in Ontario, 1991" was reviewed as part of the historical research. This document includes all recorded active and closed waste disposal sites, industrial manufactured gas plants and coal tar distillation plants in the Province of Ontario. Based on the available information, no waste disposal sites were present within 250 m of the subject property.

Areas of Natural and Scientific Interest

The Ontario Ministry of Natural Resources (MNR) Biodiversity Explorer geographic information system (GIS) website was consulted for areas of natural and scientific interest (ANSIs) and features within 250 m of the subject site. The St. Lawrence River is located approximately 70 m south of the subject site. According to the MNR's GIS website, no provincially significant wetlands (PSWs) or areas of natural and scientific interest (ANSI) are located within the Phase I study area.

Technical Standards and Safety Authority (TSSA)

The TSSA, Fuels Safety Branch in Toronto was contacted electronically on July 18, 2013 to inquire about current and former underground storage tanks, spills and incidents for the site and neighbouring properties with potential environmental concerns. No records are listed in the TSSA registry for the subject site and immediately adjacent properties. A copy of the TSSA correspondence is included in Appendix 2.

Town of Gananoque Environmental Records Search

Regulatory and historical information from the Town of Gananoque's records from a previous 2009 search was consulted as part of this assessment. The search revealed that the subject property was a former industrial site. According to the search, The Shortall Fuel Company, with associated aboveground storage tanks was located on the southeast portion of the site. Another historical occupant of the site was Mitchell and Wilson, a building supply company, who stored lumber on the site. The Town's response also identified a rail yard, rail tracks and a wharf in close proximity to the site. A copy of the Town's response has been included in Appendix 2.

4.3 Physical Setting Sources

Aerial Photographs

Historical air photos from the National Air Photo Library were reviewed. The review period dates back to the earliest available aerial photography up to present site conditions. Aerial photographs dating back to prior to the first developed use of the site (1904) were not available. Based on the review, the following observations have been made:

1935 (Hand coloured panoramic photograph provided by Town of Gananoque – Cover Page) The Site appears to be developed with the present day building on the northeast portion of the property and appears to be used for industrial purposes. Several additional buildings are present and cover the remaining areas of the site. Railway tracks are apparent to the south of the site followed by a rail yard to the southeast. A wharf is apparent on the north shore of the St. Lawrence River, south of the site. The general area of the subject site appears to have been used for commercial or industrial purposes.

1959 (Poor scale) No significant changes appear to have been made to the subject site or neighbouring properties.

1962 (Poor scale) No significant changes appear to have been made to the subject site or neighbouring properties.

1973 (Poor scale) No significant changes appear to have been made to the subject site or neighbouring properties.

1987 (Poor scale) Joel Stone Beach has been reclaimed to the southwest of the site. A marina is present to the north of Joel Stone Beach, further west of the site. Several of the buildings on the property to the south of Water Street West, further south of the site appear to have been cleared. Residential development is apparent to the north and northeast of the site. No other significant changes are apparent.

1995 (Poor scale) The majority of the former site buildings have been cleared, the subject building remains on the northeast portion of the site. No other significant changes are apparent.

2005 (Google Earth) No significant changes have been made to the subject site or neighbouring properties.

Laser copies of some of the aerial photographs reviewed are included in Appendix 1 of this report.

Topographic Maps

Topographic maps were obtained from Natural Resources Canada – The Atlas of Canada website. The topographic maps indicate that the regional topography in the general area of the site slopes downward to the south and southeast towards the St. Lawrence River. According to the maps, The St. Lawrence River is present approximately 70 m south of the site. The mapping shows the site located within the Town of Gananoque, with mainly commercial and residential land use in the immediate vicinity. No environmental concerns were identified on the topographic mapping. An illustration of the referenced topographic map is presented on Figure 2 – Topographic Map following the body of this report.

Physiographic Maps

The following Physiographic Map was reviewed:

- *Physiography of the Eastern Portion of Southern Ontario, Map 2227, Ontario Department of Mines and Northern Affairs, 1972.*

According to this physiographic map, the site is located in an Esker physiographic region.

Geological Maps

The following Geological Map was reviewed

- Geological Highway Map – Southern Ontario, Ontario Geological Survey, Map 2441, 1979.

According to this geological mapping, the area of the subject site is underlain by felsic intrusive rocks including: granite, granophyres, granodiorite, quartz, diorite, quartz monzonite, syenite, trondhjemite, and derived gneisses of late to middle Precambiran age.

Water Well Records

A requisition was made to the MOE to provide water well records for wells within 250 m of the subject site. The MOE response indicated that there were 19 well records identified within the Phase I study area. The majority of these well records were filed for monitoring wells located further than 100 m from the subject site. According to the search at least four (4) monitoring wells were drilled at 125 Water Street, located 15 m south of the site. No details were available with respect to the locations of these wells or the subsurface conditions encountered at the time of this assessment. A copy of the MOE response is provided in the Appendix 2.

Water Bodies and Areas of Natural and Scientific Interest

The St. Lawrence River was identified in the Phase I study area. The St. Lawrence River is the closest significant water body and is approximately 70 m south of the site. The majority of the study area consists of residential dwellings or commercial businesses, which are serviced by municipal water and sewer services. No areas of natural and scientific interest (ANSIs) are known to exist within the Phase I study area.

Fill Materials

No indications of the recent placement of fill on the site were identified in the records review. The Phase I ESA completed by others in 2009 did identify the presence of poor quality fill material on the east portion of the subject site, however, the origin of this material is not known.

5.0 INTERVIEWS

Property Owner

Mr. Andrew Ball, project manager of RMP Contracting and Development, was interviewed as part of this assessment. Mr. Ball stated that it is RMP's intent to redevelop the property for residential use. Mr. Ball had been made aware of the previous historical and subsurface investigations conducted on the subject site. Mr. Ball indicated that sources at the Town of Gananoque had indicated that soil and groundwater contamination is present on the subject land.

Mr. Ball indicated that should the sale of the property proceed, a Phase II Environmental Site Assessment and remedial program will be conducted on the subject land to delineate the impacted soil and groundwater and remediate the site. Mr. Ball also stated that the design of the proposed building would incorporate a hydraulic barrier on the perimeter of the site following the remedial program to prevent any groundwater migration on to the site.

6.0 SITE RECONNAISSANCE

6.1 General Requirements

The site investigation was conducted between 12 PM and 3 PM on June 26, 2013. Mr. Michael Beaudoin, B. Eng. from the Environmental Department of Paterson Group conducted the site investigation. The weather conditions were sunny with a temperature of 25º C. In addition to the site, the uses of neighbouring properties within the Phase I study area were also assessed at the time of the site investigation.

The subject building on the northeast portion of the site was vacant and was used for storage at the time of the site assessment. A public washroom building was present on the southwest portion of the site.

Photographs 1 through 3 depict the exterior of the site building. Photographs 4 and 5 depict the parking lot which covers the majority of the site and the public restroom building on the southwest portion of the site. Photographs 6 through 8 depict the general vacant condition of the interior of the subject building. A copy of the Site Photographs is available in Appendix 1.

6.2 Specific Observations at Phase I Property

Buildings and Structures

The subject site is occupied by a former industrial building, on the northeast portion of the site, which was converted to commercial use circa 1990's. The subject building is a slab-on-grade one and two storey building with a partial crawlspace. The building had a concrete foundation, was finished off on the exterior with vinyl siding and concrete block and had a sloped metal roof.

Below Ground Structures

No below ground structures were identified at the time of the Phase I site assessment. It is suspected that former building foundations may be present beneath the asphaltic concrete parking surface, in the areas of former site buildings.

Storage Tanks

No aboveground storage tanks (ASTs) or signs of underground storage tanks (USTs) were observed on the subject site at the time of this assessment.

Potable Water Source

The source of water at the subject site is municipally treated water. The water shutoff locations leading to the water main were observed at the time of the site inspection, heading from St. Lawrence Street to the vacant commercial building on the northeast portion of the site.

Underground Utilities

Clearances for underground utilities were completed in June of 2013 as part a proposed subsurface investigation. Underground natural gas corridors, which lead to the site building from Market Street, are present on the east-central portion of the site. Underground electrical corridors are present in the southwest portion of the site, leading to the public washrooms in this area of the site. Underground water and sewer connections are present at the northeast and southwest corners of the site. The presence of the aforementioned service corridors have the potential to facilitate the migration of contaminants, however, given their locations and the locations of potential environmental concerns, these underground corridors are not considered to pose a concern to the subject property.

Building Entry/Exit Points

Man doors were observed at various locations on the exterior of the building. The location of the aforementioned entry/exit points are labelled on Drawing PE2861-1 Conceptual Site Model: Site Plan**.**

Heating/Cooling Systems

The subject building on the northeast portion of the site was formerly heated by natural gas fired equipment. No details of the former heating systems were available at the time of the site assessment.

Sumps, Pits, and Drains

No drains, pits or sumps are known to exist on the subject site.

Floor Condition

No signs of cracks, stains or corrosion were observed on the flooring in the building at the time of the site assessment.

Unidentified Substances

There were no unidentified substances on the interior or exterior of the subject property at the time of this assessment.

Groundwater Monitoring Wells

One existing groundwater monitoring well, which was installed by others in 2009 as part of a previous Phase II ESA, was observed on the subject site. This groundwater monitoring well had an approximate depth of 1.8 m below surface grade, and is screened within the overburden.

Sewage Works

The site is connected to the Town of Gananoque sanitary sewer system. Given the urban setting, no private sewage systems are suspected to exist on the subject site or in the Phase I study area.

Site Features

The majority of the undeveloped portion of the subject site consists of an asphaltic concrete parking lot. The subject site slopes gently downward to the northwest. Site drainage consists primarily of sheet flow to catch basins on the surrounding streets. No areas of stained soil, vegetation, or pavement, stressed vegetation, soil disturbance, or grading were observed on-site.

No potable water wells or private sewage systems were observed on the subject property, nor are any expected to be present, as the site is located in a municipally-serviced area. No evidence of current or former railway or spur lines were observed on the subject property at the time of the site inspection.

Potentially Contaminating Activities

No potentially contaminating activities were observed at the site at the time of this assessment.

Building Materials

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

- The flooring throughout the building was a combination of poured concrete, wood, vinyl tiles, ceramic tiles, laminate and carpet.
- The building walls were concrete, concrete block, panelling and drywall.
- The ceilings were drywall and suspended ceiling tiles.
- Lighting throughout the building was provided by fluorescent and incandescent fixtures.

Potentially Hazardous Building Products

- **Asbestos-Containing Materials (ACMs)**

  Given the age of the building (circa early 1900`s), it is possible that ACMs were used in building construction and finishing materials. Potential ACMs observed in the subject building include drywall joint compound, vinyl floor tiles and suspended ceiling tiles.

- **Lead-Based Paint**

  Given the age of the building (circa early 1900`s), it is possible that lead based paint was used on the original painted surfaces. All painted surfaced were observed to be in fair to good condition at the time of the assessment.

- **PCBs**

  Fluorescent light ballasts were observed throughout the building. Ballasts installed after 1981 do not contain PCBs. It is considered likely that all of these ballasts have been replaced given that the building has undergone renovations. No other potential sources of PCBs were observed within the building.

- **Urea Formaldehyde Foam Insulation (UFFI)**

  No signs of UFFI were observed however the wall cavities were not inspected to confirm insulation type.

Neighbouring Properties

An inspection of the neighbouring properties was conducted from publicly accessible roadways at the time of the site inspection. The Phase I study area includes immediately adjacent properties and properties within 250 m of the subject site.

Land use adjacent to the subject site was as follows:

- North - St. Lawrence Street followed by a parking lot and residential dwellings;
- East - Market Street followed by a parking lot and commercial businesses;
- South - Water Street followed by Parkland and the St. Lawrence River;
- Northwest – Marina;
- West - Kate Street followed by a Public-works building and a radio station.

A marina was observed and boat launch was observed approximately 15 m northwest of the site. The majority of the properties in the Phase I study area were used for commercial or residential purposes. No potentially contaminating activities were identified in the Phase I study area at the time of this assessment. The current use of the immediately adjacent properties and other neighbouring properties within 250 m of the subject site is not considered to pose an environmental concern to the subject site. Current land use in the Phase I Study Area is illustrated on Drawing: PE2861-2 – Conceptual Site Model: Surrounding Land Use in the Figures section of this report, following the text.

7.0 REVIEW AND EVALUATION OF INFORMATION

7.1 Land Use History

Table 3 below indicates the current and past uses of the various portions of the site as well as associated potentially contaminating activities dating back to the first developed use of the site. The current use and ownership of the entire site can be easily summarized; however, the historical ownership of each individual lot involved numerous changes in title.

Table 3 - Land Use History

Year	Name of Owner	Description of Property Use	Property Use	Other Observations from Aerial Photographs, Fire Insurance Plans, Etc.
Southwest Portion (Lot 552, Plan 167 (also shown on Compiled Plan No. 86))				
1852 to 1927	Individuals	Unknown	Unknown Use	Site was either undeveloped or used for residential purposes (Title Search)
1927 to 1988	Mitchell & Wilson Ltd.	Lumber Storage Shed	Industrial Use	Site is occupied by a lumber storage building (Aerial Photographs, Fire Insurance Plans, Title Search)
1988 to 1993	Saleslie Inc.	Storage Building	Industrial Use	
1993 to Present	The Corporation of the Town of Gananoque	Public Washrooms / Parking Lot	Community / Commercial Use	Site is occupied by a public washroom building and a parking lot (Site visit, aerial photographs, title search)

Table 3 - Land Use History (continued)

Year	Name of Owner	Description of Property Use	Property Use	Other Observations from Aerial Photographs, Fire Insurance Plans, Etc.
Northwest Portion and South-central Portion (Lots 550 and 551 on Compiled Plan No. 86 and Lots 553 and 554, Plan 167 (also shown on Compiled Plan No. 86))				
1852 to 1938	Individuals	Unknown	Unknown Use	Site was either undeveloped or used for residential purposes (Title Search)
1938 to 1988	Mitchell & Wilson Ltd.	Lumber and Construction Materials Storage	Industrial Use	Site is occupied by a lumber storage building (Aerial Photographs, Fire Insurance Plans, title search)
1988 to 1993	Saleslie Inc.	Storage Building	Industrial Use	
1993 to Present	The Corporation of the Town of Gananoque	Parking Lot	Commercial Use	Site is occupied by a parking lot (Site visit, aerial photographs, title search)
Northeast Portion (Lots 550 and 551 on Compiled Plan No. 86				
1852 to 1938	Individuals	Unknown	Unknown Use	Site was either undeveloped or used for residential purposes (Title Search)
1938 to 1988	Mitchell & Wilson Ltd.	Lumber and Construction Materials Storage	Industrial Use	Site is occupied by a Planing Mill (Aerial Photographs, Fire Insurance Plans, title search)
1988 to 1993	Saleslie Inc.	Storage Building	Industrial Use	Site is occupied by an industrial building (Aerial Photographs, Fire Insurance Plans, title search)
1993 to 2012	The Corporation of the Town of Gananoque	Cinema and Art Shop	Commercial Use	Site is occupied by a commercial building (2009 Phase I ESA)
2012 to Present		Vacant Commercial Building		Site is occupied by a vacant commercial building (Site visit)

Table 3 - Land Use History (continued)				
Year	**Name of Owner**	**Description of Property Use**	**Property Use**	**Other Observations from Aerial Photographs, Fire Insurance Plans, Etc.**
Southeast Portion (Lots 548 and 549 on Compiled Plan No. 86)				
1852 to 1904	Individuals	Unknown	Unknown Use	Site was either undeveloped or used for residential purposes (Title Search)
1904 to 1913	Gananoque Spring & Axle Co. Ltd.	Suspected manufacturing operations	Industrial Use	Site is suspected to have been used for industrial manufacturing (Title Search)
1913 to 1921	Ontario Steel Products Ltd.			
1921 to 1959	Imperial Oil Ltd.	Fuel Outlet / Coal Yard	Industrial Use	Site is occupied by a fuel outlet / coal yard (Aerial Photographs, Title Search, City Directories)
1959 to 1965	Shortall Fuel Company Ltd.			
1965 to 1972	Gananoque District Co-operative / Gananoque Boat Lines Limited	Community and commercial offices	Community / Commercial Use	Site is used as sales offices (Title Search)
1972 to 1988	Mitchell & Wilson Ltd.	Lumber and Construction Materials Storage	Industrial Use	Site is occupied by a lumber facility (Aerial Photographs, Fire Insurance Plans, Title Search)
1988 to 1993	Saleslie Inc.	Storage Building	Industrial Use	
1993 to Present	The Corporation of the Town of Gananoque	Parking Lot	Commercial Use	Site is occupied by a parking lot (Site visit, aerial photographs, title search)

Potentially contaminating activities were identified on the subject site with the former industrial use of the site as a lumber mill and lumber storage, among other occupants, as well as the former presence of underground fuel storage tanks. The use, storage and disposal of chemicals associated with these operations are a potential environmental concern to the subject land.

7.2 Areas of Potential Environmental Concern and Potential Contaminating Activities

Table 4: Areas of Potential Environmental Concern

Area of Potential Environmental Concern (AoPEC)	Location of AoPEC on Phase One Property	Potential Contaminating Activities (PCA)	Location of PCA (on-site / off-site)	Contaminants of Potential Concern (CoPC)	Media Potentially Impacted (Groundwater, Soil and/or Sediment)
Former underground fuel storage tanks	East-central portion of site	Leakage / spillage	On-site	PHCs / BTEX	Soil / Groundwater
Former underground fuel storage tanks	Southeast portion of site	Leakage / spillage	On-site	PHCs / BTEX	Soil / Groundwater
Former bulk lumber storage	West portion of site	Treatment of lumber	On-site	PAHs	Soil / Groundwater
Fill Material / Coal storage	Site wide	Placement of poor quality fill	On-site	Metals, PAHs	Soil / Groundwater
Former railway spur line	South portion of site	Fill material, railway ties	On-site	Metals, PAHs	Soil / Groundwater

It is our opinion that the aforementioned potentially contaminating activities have the potential to have impacted the subject land. As such, it is recommended that a Phase II – Environmental Site Assessment be conducted to assess the aforementioned potential environmental concerns.

7.3 Conceptual Site Model

Existing Buildings and Structures

The subject site is occupied by a former industrial building, on the northeast portion of the site, which was converted to commercial use circa 1990's. The subject building is a slab-on-grade one and two storey building with a partial crawlspace. The building had a concrete foundation, was finished off on the exterior with vinyl siding and concrete block and had a sloped metal roof.

Water Bodies

There are no water bodies on the subject site. The St. Lawrence River is located approximately 70 m south of the site, and is hence within the Phase I study area. The location of this water body is shown on Drawing PE2861-2 Conceptual Site Model: Surrounding Land Use.

Areas of Natural and Scientific Interest (ANSIs)

No ANSIs were observed on the site or in the Phase I study area.

Drinking Water Wells

The properties in the Phase I Study area are serviced by municipal and sewer services. As such, no drinking water wells are expected to be located on the subject site and at the neighbouring properties within the Phase I study area.

Neighbouring Land Use

A marina was observed and boat launch was observed approximately 15 m northwest of the site. The majority of the properties in the Phase I study area were used for commercial or residential purposes. No potentially contaminating activities were identified in the Phase I study area at the time of this assessment. The current use of the immediately adjacent properties and other neighbouring properties within 250 m of the subject site is not considered to pose an environmental concern to the subject site. Current land use in the Phase I Study Area is illustrated on Drawing: PE2861-2 – Conceptual Site Model: Surrounding Land Use in the Figures section of this report, following the text.

Areas of Potential Contaminating Activities and Potential Environmental Concerns

Areas of Potential Environmental Concern (APECs) were identified on the subject site associated with the former storage of fuel/presence of fuel storage tanks on the site, the former presence of bulk lumber storage on the site, the former presence of a railway spur line on, or adjacent to the south portion of the site and the potential presence of fill used to grade the subject site.

8.0 CONCLUSIONS

Assessment

The results of the historical research indicated that the subject site was developed circa 1904 and has been used for industrial or commercial purposes or as a parking lot since that time. The historical research identified potentially contaminating activities which were present on the subject site including the former storage of fuel/presence of fuel storage tanks on the site, the former presence of bulk lumber storage on the site, the former presence of a railway spur line on, or adjacent to the south portion of the site and the potential presence of fill used to grade the subject site. Four (4) additional potentially contaminating activities or potential environmental concerns were identified within the Phase I study area during the historical research, however, they are not suspected to have impacted the subject land given their locations and/or orientations with respect to the subject land. No environmental concerns were identified with the neighbouring properties.

Previous historical (Phase I-ESA) and subsurface (Phase II–ESA) environmental investigations were conducted on the subject site by others in 2009 and in 2010. Several of the analytical test results at the time of the previous Phase II ESA indicated the presence of petroleum hydrocarbons, metals and polycyclic aromatic hydrocarbons in the fill material and some petroleum hydrocarbon concentrations in the groundwater. The analytical results indicated that several parameters were present in excess of the MOE standards. The approximate location of contaminated soil and groundwater appeared to be limited to the east portion of the site.

Following the historical review a site visit was conducted. The site is occupied by a vacant commercial building and a public restroom building. The remaining site area is used as a parking lot. No areas of potential environmental concern were identified on the site or neighbouring properties at the time of the site visit.

Based on the results of the assessment, **it is our opinion that an additional environmental investigation in the form of a Phase II – Environmental Site Assessment, will be required for the property.**

9.0 STATEMENT OF LIMITATIONS

This Phase I - Environmental Site Assessment report has been prepared in general accordance with the agreed scope-of-work, in compliance with Ontario Regulation 269/11 amending O. Reg. 153/04 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 RMP Contracting & Development. Permission and notification from RMP Contracting & Development and Paterson will be required to release this report to any other party.

Paterson Group Inc.

Luke Lopers, P.Eng.

Mark D'Arcy, P.Eng.

Report Distribution:

RMP Contracting & Development (3 copies)
Paterson Group (1 copy)

10.0 REFERENCES

Federal Records

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

Provincial Records

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

Municipal Records

Town of Gananoque, Environmental Records Search.
Town of Gananoque, Historical Department.

Local Information Sources

Chain of Title obtained through Read Abstract Limited, July 2013.
Current Plan of Survey, prepared by Hopkins, Cormier and Chitty Surveying Consultants Inc.
Previous Environmental Reports.
Personal Interviews.

Public Information Sources

Google Earth.
Google Maps/Street View.

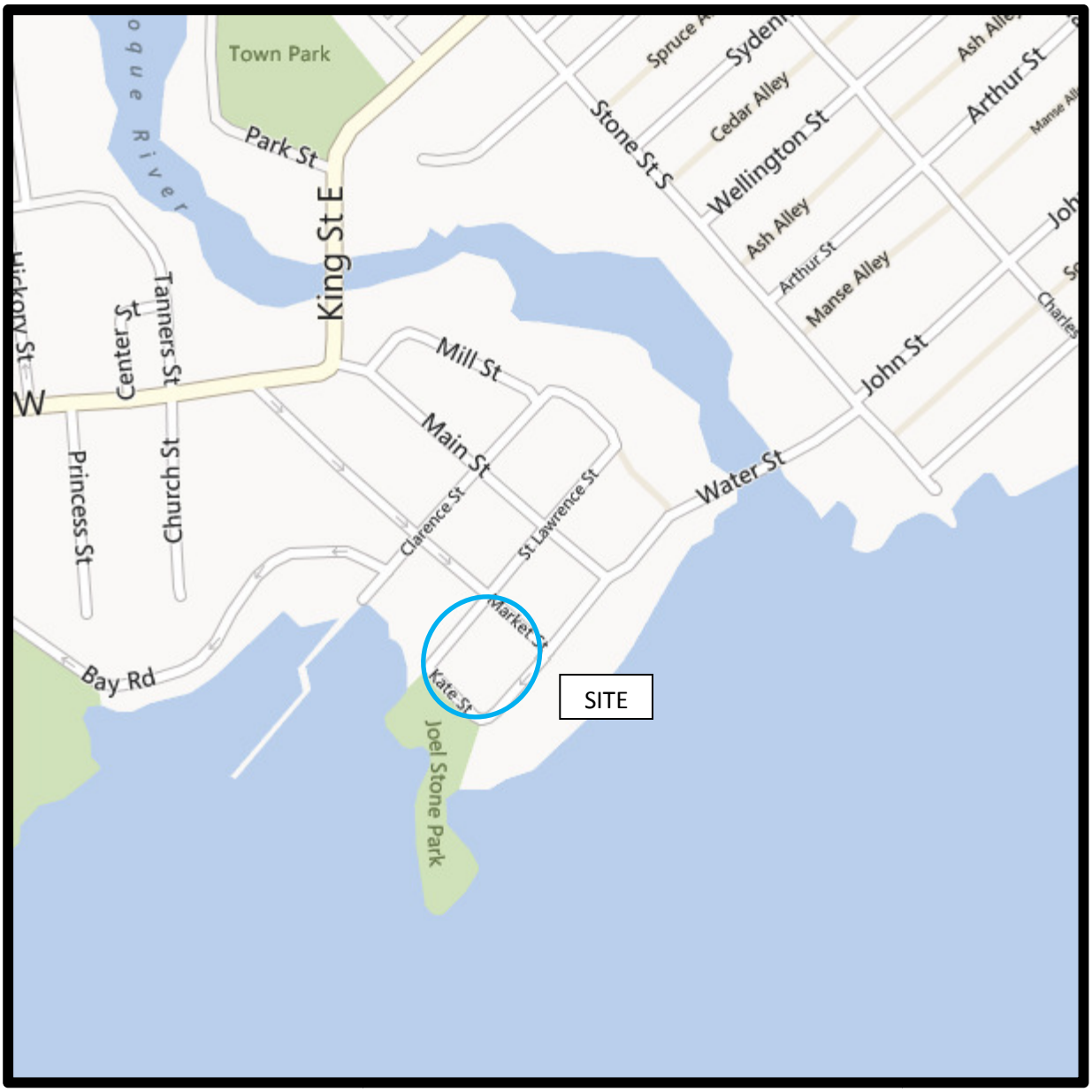


FIGURE 1

KEY PLAN

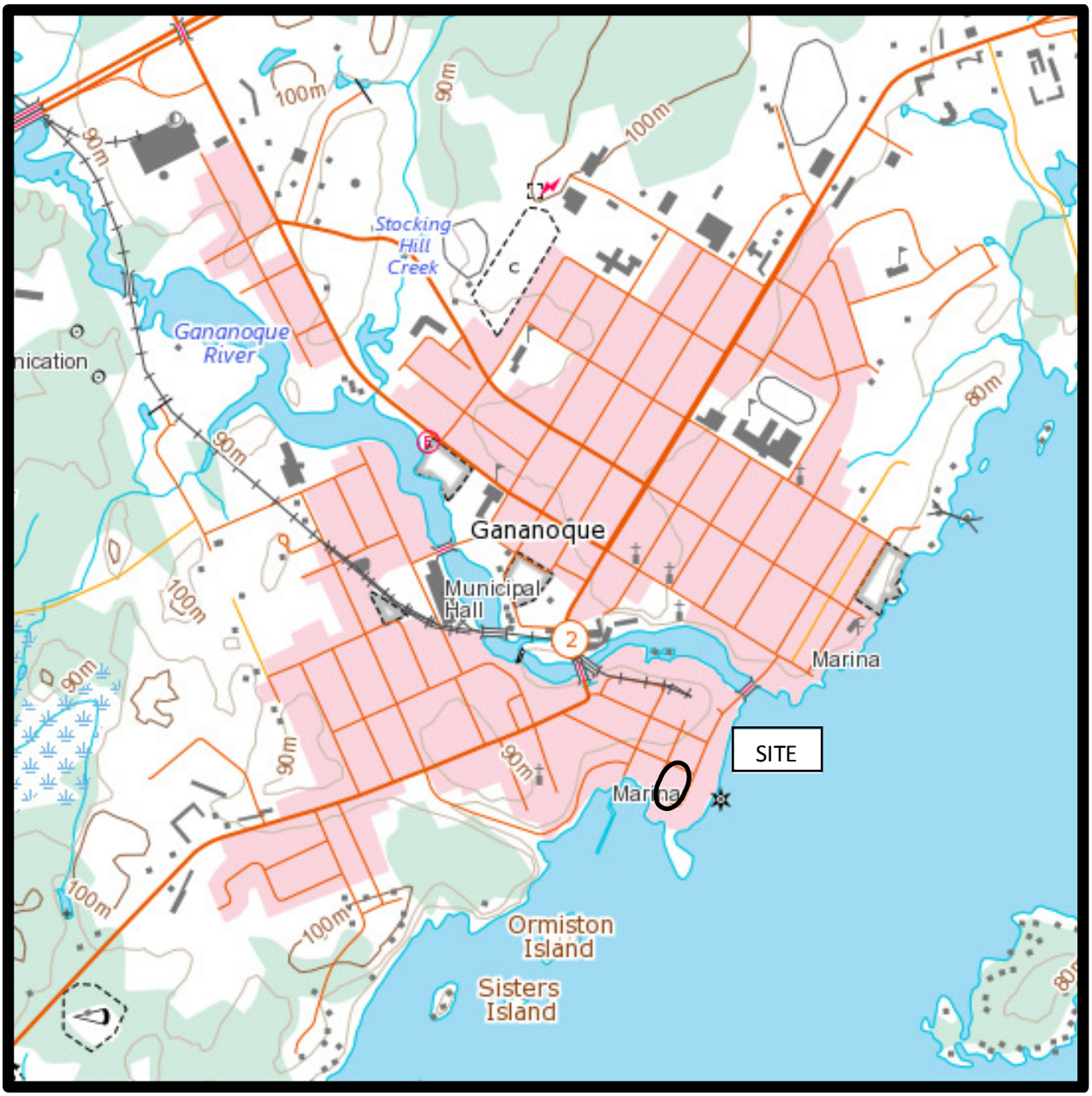
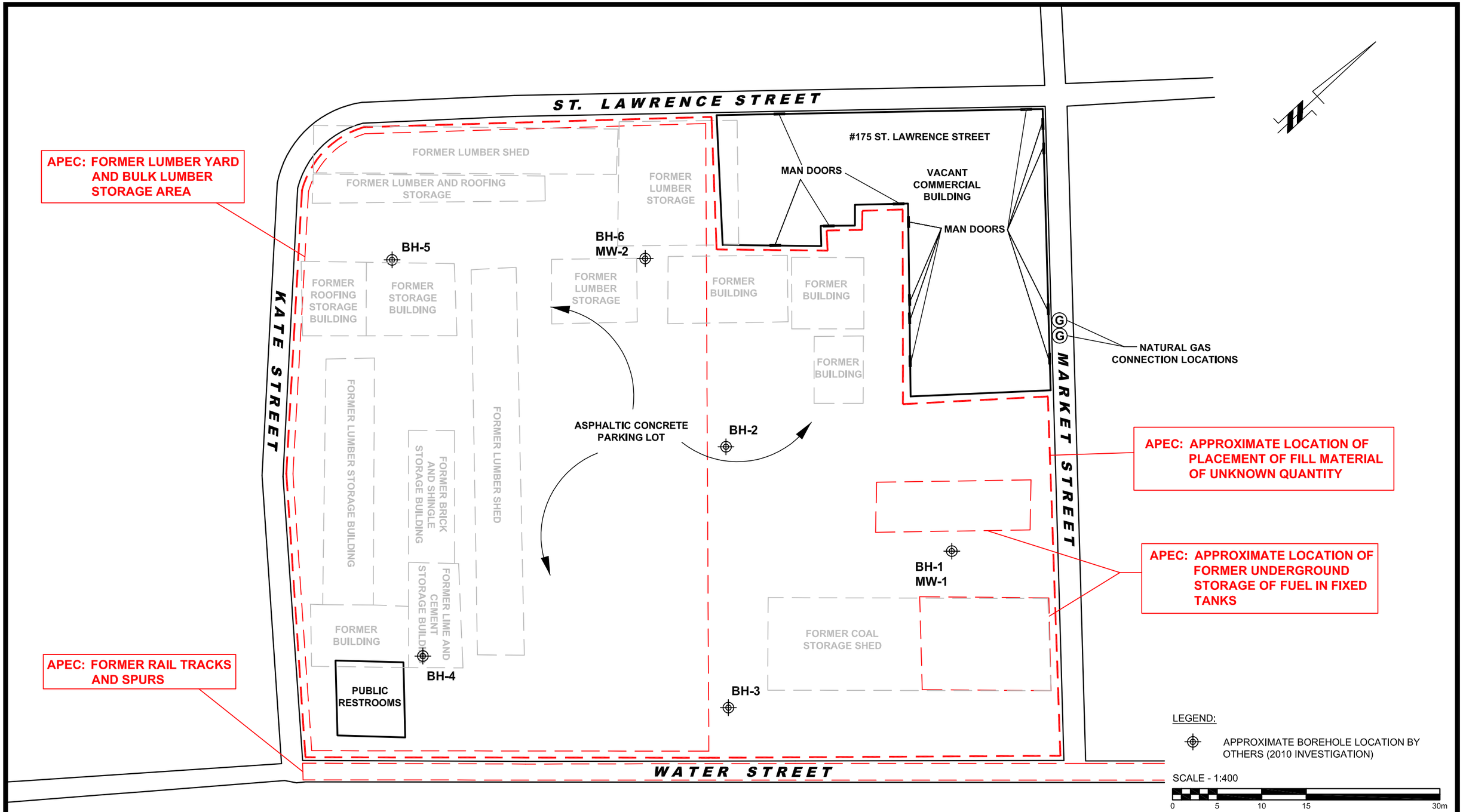


FIGURE 2

TOPOGRAPHIC MAP



paterson group
consulting engineers
154 Colonnade Road South, Ottawa, Ontario K2E 7J5

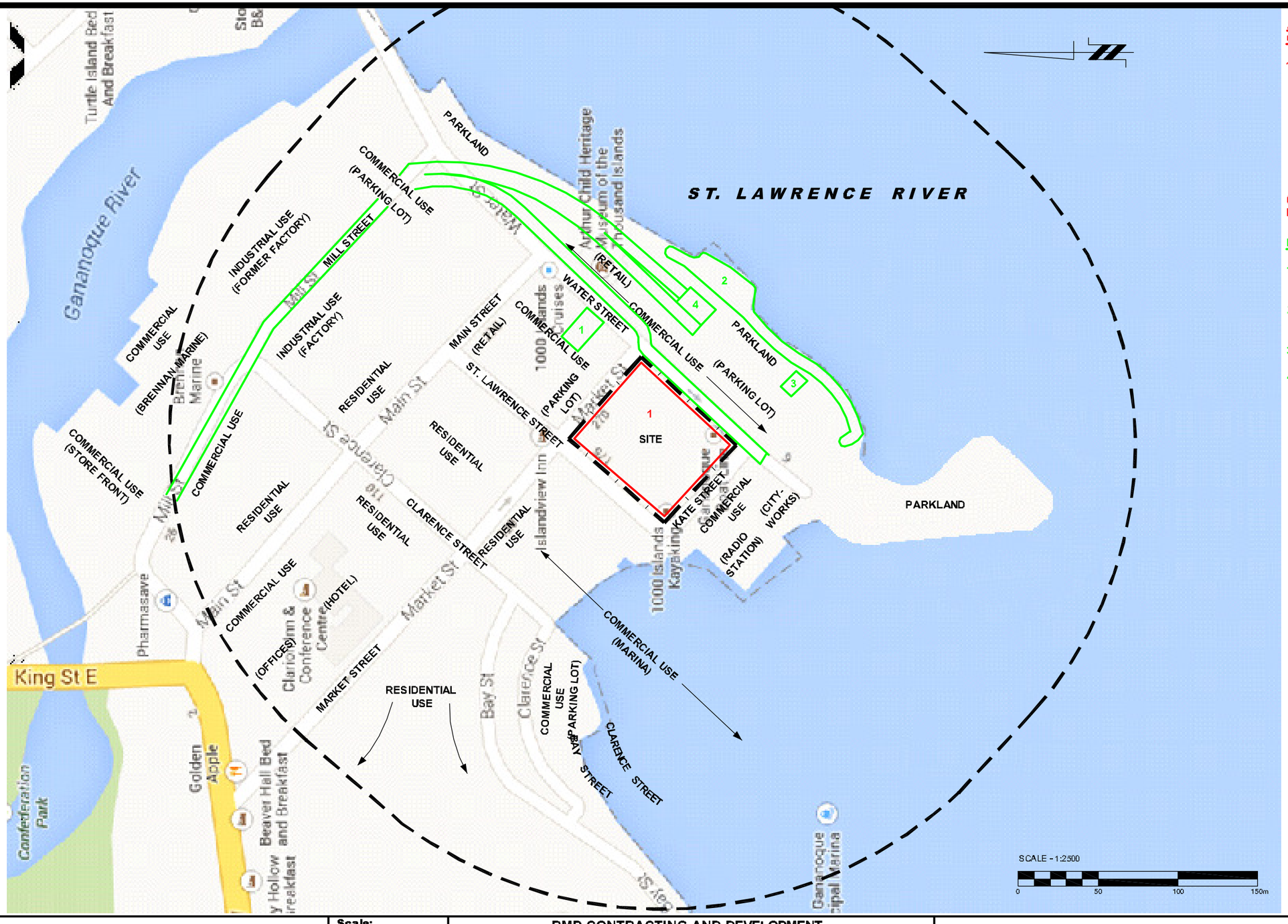
Scale:	1:400
Des.:	LAL
Dwn:	CPB
Chkd:	MSD

RMP CONTRACTING AND DEVELOPMENT
PHASE I - ENVIROMENTAL SITE ASSESSMENT
EXISTING COMMERCIAL PROPERTY
175 ST. LAWRENCE STREET
GANANOQUE, ONTARIO

CONCEPTUAL SITE MODEL: SITE PLAN

Dwg. No. PE2861-1
Report No.: PE2861-1
Date: 07/2013

11x17



AREAS OF POTENTIAL ENVIRONMENTAL CONCERN:

1. 175 ST. LAWRENCE STREET (SUBJECT SITE)
   - FORMER IMPERIAL OIL LTD. - UNDERGROUND FUEL STORAGE
   - FORMER BULK LUMBER STORAGE
   - FORMER RAIL TRUCKS AND SPURS
   - IMPORTATION OF FILL MATERIAL OF UNKNOWN QUALITY

(1926, 1947 FIPs, 2010 SUBSURFACE INVESTIGATION BY OTHERS)

POTENTIALLY CONTAMINATING ACTIVITIES:

1. UNDERGROUND FUEL STORAGE TANKS (1947 FIPs)
2. UNDERGROUND FUEL STORAGE TANKS (1947 FIPs)
3. FORMER WHARF OPERATION (1947 FIPs)
4. FORMER RAIL YARD, TRACKS AND SPURS (1947 FIPs, AERIAL PHOTOGRAPHS)

paterson group
consulting engineers
154 Colonnade Road South, Ottawa, Ontario K2E 7J5

Scale:	1:2500
Des.:	LAL
Dwn:	CPB
Chkd:	MSD

RMP CONTRACTING AND DEVELOPMENT
PHASE I - ENVIROMENTAL SITE ASSESSMENT
EXISTING COMMERCIAL PROPERTY
175 ST. LAWRENCE STREET
GANANOQUE, ONTARIO

CONCEPTUAL SITE MODEL: SURROUNDING LAND USE

Dwg. No. PE2861-2
Report No.: PE2861-1
Date: 07/2013

FIGURES

FIGURE 1 – KEY PLAN

FIGURE 2 – TOPOGRAPHIC MAP

DRAWING PE2861-1 – CONCEPTUAL SITE MODEL: SITE PLAN

DRAWING PE2861-2 – CONCEPTUAL SITE MODEL: SURROUNDING LAND USE

APPENDIX 1

CHAIN OF TITLE

CURRENT PLAN OF SURVEY

AERIAL PHOTOGRAPHS

SITE PHOTOGRAPHS

READ ABSTRACTS LIMITED

ENVIRONMENTAL SEARCH
Att: Luke Lopers
Ref: 175 St. Lawrence St, Gananoque
(PIN 44249-0098)
Lots 552-554, Plan 167;
Lots 546-551, W Gananoque River
Plan 86 amended by Plan 92
July 22, 2013

LOT 552, PLAN 167:

Deed 218 registered June 26, 1852
From Charles J. MacDonald to William S. MacDonald

Deed 4404 registered Jan 16, 1902
From William S. MacDonald to Charles MacDonald

Deed 4721 registered Nov 24, 1903
From Charles MacDonald to Almira Lasha

Deed 5059 registered Aug 17, 1905
From Almira and William Lasha to Charles MacDonald

Deed 5545 registered Dec 3, 1907
From Charles MacDonald to William S. MacDonald

Deed 7872 registered Oct 4, 1923
From Estate of William S. MacDonald to Louise D. MacDonald

Deed 8519 registered Dec 15, 1927
From Louise D. MacDonald to Mitchell & Wilson Ltd.

Deed 183933 registered March 25, 1988
From Mitchell & Wilson Ltd. to Saleslie Inc.

Deed 243443 registered Aug 12, 1993
From Saleslie Inc. to The Corporation of the Town of Gananoque

LOT 553, PLAN 167:

Deed 218 registered June 26, 1852
From Charles J. MacDonald to William S. MacDonald

Deed 4404 registered Jan 16, 1902
From William S. MacDonald to Charles MacDonald

Deed 5345 registered Dec 3, 1907
From Charles MacDonald to William S. MacDonald

Deed 6336 registered Oct 10, 1912
From William S. MacDonald to David A. Mitchell

Deed 9781 registered Sept 2, 1938
From Estate of David A. Mitchell to Mitchell & Wilson Ltd.

Deed 183933 registered March 25, 1988
From Mitchell & Wilson Ltd. to Saleslie Inc.

Deed 243443 registered Aug 12, 1993
From Saleslie Inc. to The Corporation of the Town of Gananoque

LOT 554, PLAN 167:

Deed 218 registered June 26, 1852
From Charles J. MacDonald to William S. MacDonald

Deed 4404 registered Jan 16, 1902
From William S. MacDonald to Charles MacDonald

Deed 5545 registered Dec 3, 1907
From Charles MacDonald to William S. MacDonald

Deed 6336 registered Oct 10, 1912
From William S. MacDonald to David A. Mitchell

Deed 9781 registered Sept 2, 1938
From Estate of David A. Mitchell to Mitchell & Wilson Ltd.

Deed 183933 registered March 25, 1988
From Mitchell & Wilson Ltd. to Saleslie Inc.

Deed 243443 registered Aug 12, 1993
From Saleslie Inc. to The Corporation of the Town of Gananoque

LOT 546, PLAN 86:

Deed 218 registered June 26, 1852
From Charles J. MacDonald to William S. MacDonald

Deed 4404 registered Jan 16, 1902
From William S. MacDonald to Charles MacDonald

Deed 5545 registered Dec 3, 1907
From Charles MacDonald to William S. MacDonald

Deed 6336 registered Oct 10, 1912
From William S. MacDonald to David A. Mitchell

Deed 9781 registered Sept 2, 1938
From Estate of David A. Mitchell to Mitchell & Wilson Ltd.

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From Charles J. MacDonald to William S. MacDonald

Deed 4404 registered Jan 16, 1902
From William S. MacDonald to Charles MacDonald

Deed 4863 registered Aug 2, 1904
From Charles MacDonald to Gananoque Spring & Axle Co. Ltd.

Deed 6544 registered Oct 15, 1913
From The Gananoque Spring & Axle Company Limited to The Ontario Steel Products Company Limited

Deed 7533 registered May 20, 1921
From Ontario Steele Products Ltd. to Imperial Oil Limited

Deed 7570 registered Aug 16, 1921
From Ontario Steele Products Ltd. to Imperial Oil Limited

Deed 50 registered Jan 24, 1941
From Imperial Oil Limited to Hugh K. McGlade and Annastasia D. McGlade

Deed 1258 registered June 13, 1947
From Hugh K. McGlade to Annastasia D. McGlade

Deed 5243 registered Feb 3, 1959
From Imperial Oil Limited to Anastasia D. McGlade

Deed 5377 registered June 17, 1959
From Anastasia D. McGlade to Shortall Fuel Company Limited

Deed 7413 registered Nov 5, 1965
From Shortall Fuel Company Limited to Gananoque District Co-operative

Deed 36932 registered Aug 28, 1970
From Gananoque District Co-Operative to United Co-operatives of Ontario

Deed 42817 registered July 22, 1971
From United Co-operatives of Ontario to Gananoque Boat Line Limited

Deed 52304 registered Nov 3, 1972
From Gananoque Boat Line Limited to Mitchell & Wilson Limited

Deed 183933 registered March 25, 1988
From Mitchell & Wilson Ltd. to Saleslie Inc.

Deed 243443 registered Aug 12, 1993
From Saleslie Inc. to The Corporation of the Town of Gananoque

LOT 549, PLAN 86:

Deed 218 registered June 26, 1852
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Deed 4404 registered Jan 16, 1902
From William S. MacDonald to Charles MacDonald

Deed 5037 registered June 14, 1905
From Charles MacDonald to Gananoque Spring & Axle Co. Ltd.

Deed 6544 registered Oct 15, 1913
From The Gananoque Spring & Axle Company Limited to The Ontario Steel Products Company Limited

Deed 7533 registered May 20, 1921
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ELEVATION NOTE:

ELEVATIONS ARE GEODETIC AND ARE DERIVED FROM BENCHMARK No. 0011920U2236 BEING A BOLT IN THE NORTHEAST WALL OF THE FORMER CUSTOM HOUSE, 0.3 METRES FROM THE EASTERLY CORNER AND IN SECOND COURSE OF STONEWORK BELOW THE WATER TABLE. SAID BENCHMARK HAVING A VALUE OF 78.38 METRES CGVD–1928:1978.

CAUTION:

THIS DRAWING WAS PREPARED FOR THE SOLE USE BY RMP CONSTRUCTION AND DEVELOPMENT LTD

NOTE:

AS PER THE CATARAQUI REGION CONSERVATION AUTHORITY THE STATIC FLOOD PLAIN IS 75.9 AND THE ADDITIONAL WAVE UPRUSH IS 0.5 METRES. THEREFORE THE CORRESONDING REGULATORY FLOOD PLAIN ELEVATION IS 76.4 METRES GSC.

FOR BEARING COMPARISONS, A ROTATION OF 00°49'00" CLOCKWISE WAS APPLIED TO BEARINGS ON PLANS 28R–12743 AND 28R–11381

DISTANCES ARE GROUND AND CAN BE CONVERTED TO GRID BY MULTIPLYING BY THE COMBINED SCALE FACTOR OF 0.99969785

BEARINGS ARE UTM GRID, DERIVED FROM SIMULTANEOUS GPS OBSERVATIONS FROM ORP "A" TO ORP "B", UTM ZONE 18, (75° WEST LONGITUDE) NAD83 (ORIGINAL).

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

OBSERVED REFERENCE POINTS (ORPs) DERIVED FROM REAL TIME NETWORK (RTN) GPS OBSERVATIONS , UTM ZONE 18, NAD83 (ORIGINAL)
COORDINATES TO URBAN ACCURACY PER SEC. 14 (2) OF O.REG. 216/10

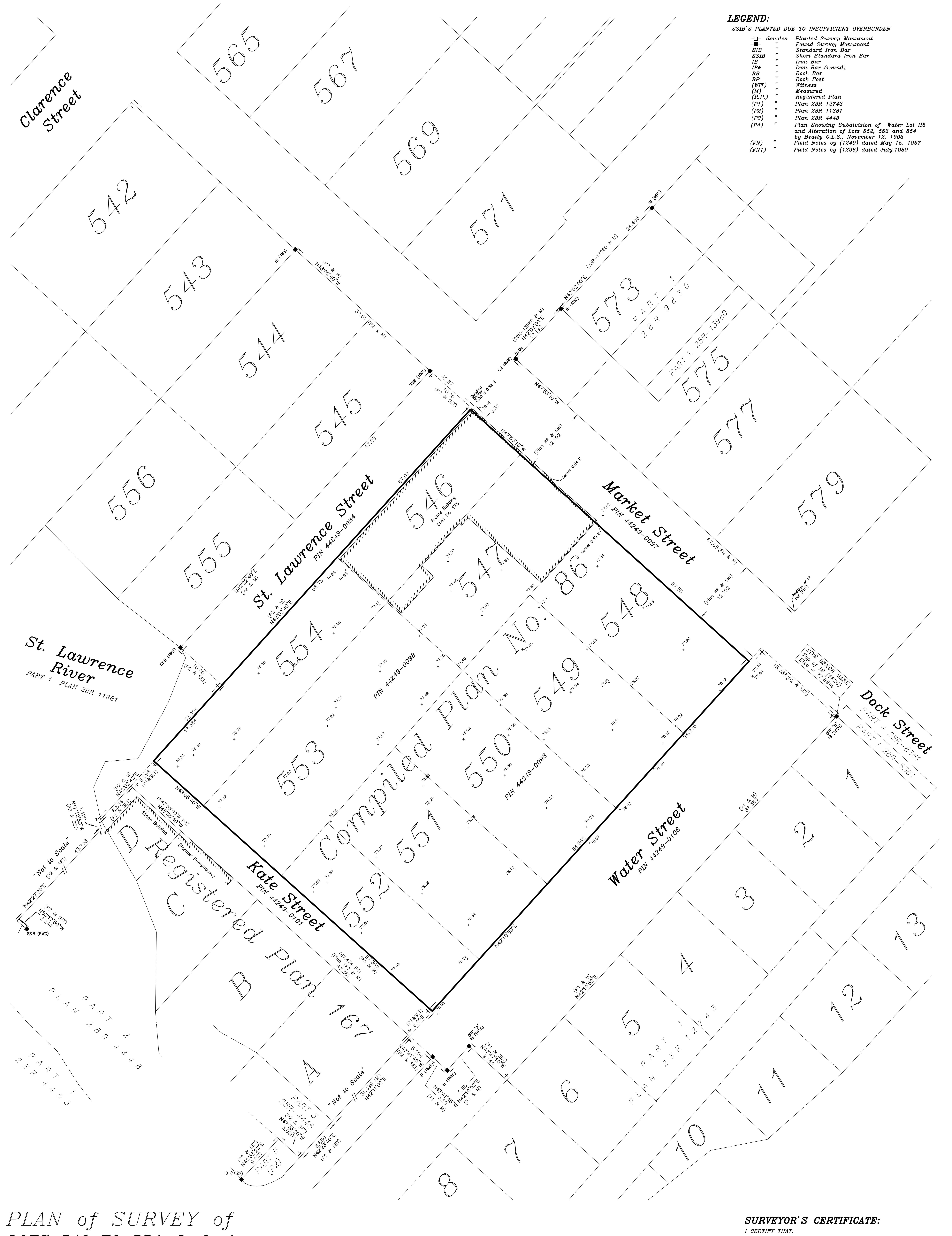
POINT ID	NORTHING	EASTING
ORP "A"	4908438.96	407293.63
ORP "B"	4908498.27	407359.72

COORDINATES CANNOT, IN THEMSELVES BE USED TO RE-ESTABLISH CORNERS OR BOUNDARIES SHOWN ON THIS PLAN.

LEGEND:

SSIB'S PLANTED DUE TO INSUFFICIENT OVERBURDEN

–□–	denotes	Planted Survey Monument
–■–	"	Found Survey Monument
SIB	"	Standard Iron Bar
SSIB	"	Short Standard Iron Bar
IB	"	Iron Bar
IBø	"	Iron Bar (round)
RB	"	Rock Bar
RP	"	Rock Post
(WIT)	"	Witness
(M)	"	Measured
(R.P.)	"	Registered Plan
(P1)	"	Plan 28R 12743
(P2)	"	Plan 28R 11381
(P3)	"	Plan 28R 4448
(P4)	"	Plan Showing Subdivision of Water Lot H5 and Alteration of Lots 552, 553 and 554 by Beatty O.L.S., November 12, 1903
(FN)	"	Field Notes by (1249) dated May 15, 1967
(FN1)	"	Field Notes by (1296) dated July,1980



PLAN of SURVEY of
LOTS 546 TO 554, Inclusive
COMPILED PLAN NO. 86 (West)
Geographic Township of LEEDS
TOWN OF GANANOQUE
COUNTY of FRONTENAC

SCALE = 1 : 300

10metres 0 10 20metres

HOPKINS, CORMIER & CHITTY SURVEYING CONSULTANTS INC.
–2012–

SURVEYOR'S CERTIFICATE:

I CERTIFY THAT:

1. This Survey and Plan are correct and in accordance with the SURVEYS ACT, the SURVEYORS ACT and the REGULATIONS made under them.
2. This Survey was completed on the day of November, 2012.

HOPKINS, CORMIER & CHITTY SURVEYING

DATE: NOVEMBER 22, 2012

PHIL W. CHITTY, O.L.S.

Party Chief: BK	Instrument: JD	Checked By:	Plan By: DTA

HOPKINS, CORMIER & CHITTY SURVEYING CONSULTANTS INC.
Ontario Land Surveyors
www.hopkinscormier.com

634–636 NORRIS COURT
KINGSTON, ONTARIO K7P–2R9
Tel (613) 384–9266
Fax (613) 384–3513

PROJECT No. 2012–265
Lots 546–554, Plan 86 East
Town of Gananoque

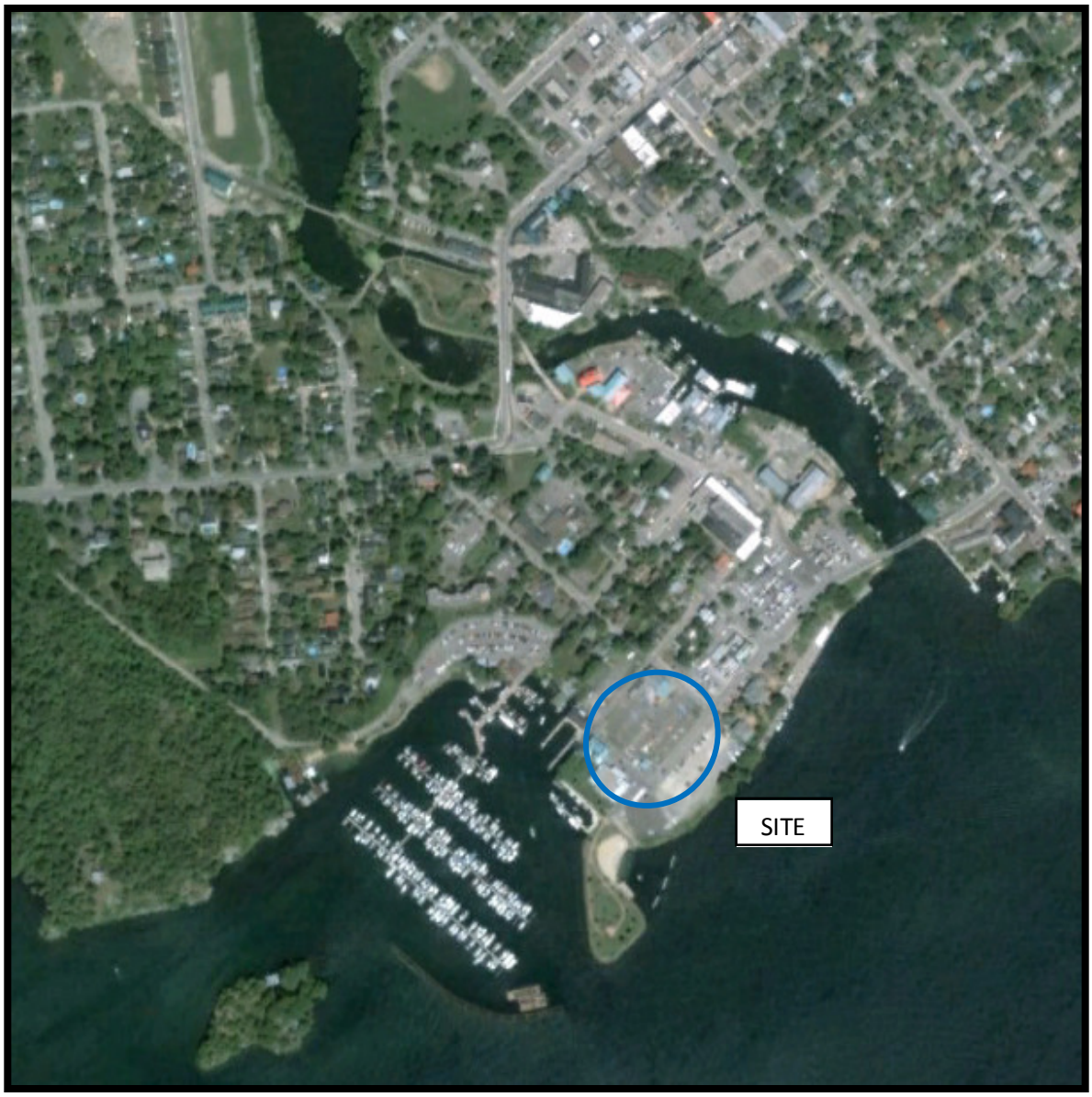
AERIAL PHOTOGRAPH
1959

AERIAL PHOTOGRAPH
1962

AERIAL PHOTOGRAPH
1973

AERIAL PHOTOGRAPH
1987

AERIAL PHOTOGRAPH
1995



AERIAL PHOTOGRAPH
2005

patersongroup

Site Photographs

PE2861 175 St. Lawrence Street, Gananoque, ON June 26, 2013

Photograph 1: View of the south and west sides (back) of the site building, looking northeast. Photograph illustrates the vacant subject building on the northeast portion of the site.

Photograph 2: View of the north portion of the subject building looking southwest. Photograph shows the vacant, boarded up condition of the site building.

Photograph 3: View of the east side of the subject building looking west. View illustrates the entrance to the second floor of the building and boarded up windows on the exterior.

Photograph 4: View of portion of the site looking west. View shows the parking lot, which covers the majority of the site. The public restroom building on the southwest corner of the site is also visible in this photograph.

Photograph 5: View of the northwest portion of the site looking northwest. View illustrates the parking lot which covers the majority of the site.

Photograph 6: View of the interior of one of the former cinemas on the interior of the subject building. View is looking north.

Photograph 7: View of the interior of the second floor of the subject building, view is looking southeast.

Photograph 8: View of the interior of the former office portion of the subject building. View is looking north.

APPENDIX 2

MOE FREEDOM OF INFORMATION RESPONSE

TSSA CORRESPONDENCE

TOWN OF GANANOQUE ENVIRONMENTAL RECORDS SEARCH

MOE WELL RECORDS

Ministry of
the Environment

Freedom of Information and
Protection of Privacy Office

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

Ministère de
l'Environnement

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

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

Ontario

July 2, 2013

Luke Lopers
Paterson Group Inc
1 - 28 Concourse Gate
Ottawa, ON K2E 7T7

Dear Luke Lopers:

RE: ***Freedom of Information and Protection of Privacy Act* Request**
Our File # A-2013-03327, Your Reference PE2861

This letter is in response to your request made pursuant to the *Freedom of Information and Protection of Privacy Act* relating to 175 St Lawrence Street, Gananoque.

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

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

If you have any questions regarding this matter, please contact Liz Mico at (416) 212-0559.

Yours truly,

Heidi Ritscher
FOI Manager

Luke Lopers

From: squibell@tssa.org on behalf of Public Information Services [publicinformationservices@tssa.org]
Sent: July-18-13 11:15 AM
To: Luke Lopers
Subject: Re: Environmental Assessment Information Search Request

Hi Luke,

Thank you for your inquiry.

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

For a further search in our archives please submit your request in writing to Public Information Services via e-mail (publicinformationservices@tssa.org) or through mail along with a fee of $56.50 (including HST) per location. The fee is payable with credit card (Visa or MasterCard) or with a Cheque made payable to TSSA.

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

Thank you and have a great day!

Regards,

Sarah

Sarah Quibell

Public Information Services

TECHNICAL STANDARDS & SAFETY AUTHORITY
"Putting Public Safety First"
14th Floor, Centre Tower
3300 Bloor Street West
Toronto, ON M8X 2X4

www.tssa.org
Toll-Free: 1-877-682-8772

On Thu, Jul 18, 2013 at 10:46 AM, Luke Lopers <LLopers@patersongroup.ca> wrote:

Good Morning,

Could you please search your records for underground/aboveground storage tanks, private retail fuel outlets, spills and/or incidents/infractions for the following 10 addresses for properties located in **Gananoque, ON**:

100, 123, 175 St. Lawrence Street

15, 19, 20 Market Street

20, 22 Kate Street

115, 125 Water Street West

Thank you for your time,

Luke Lopers, P.Eng., QPESA

Project Manager

patersongroup

154 Colonnade Road South

Ottawa, Ontario, K2E 7J5

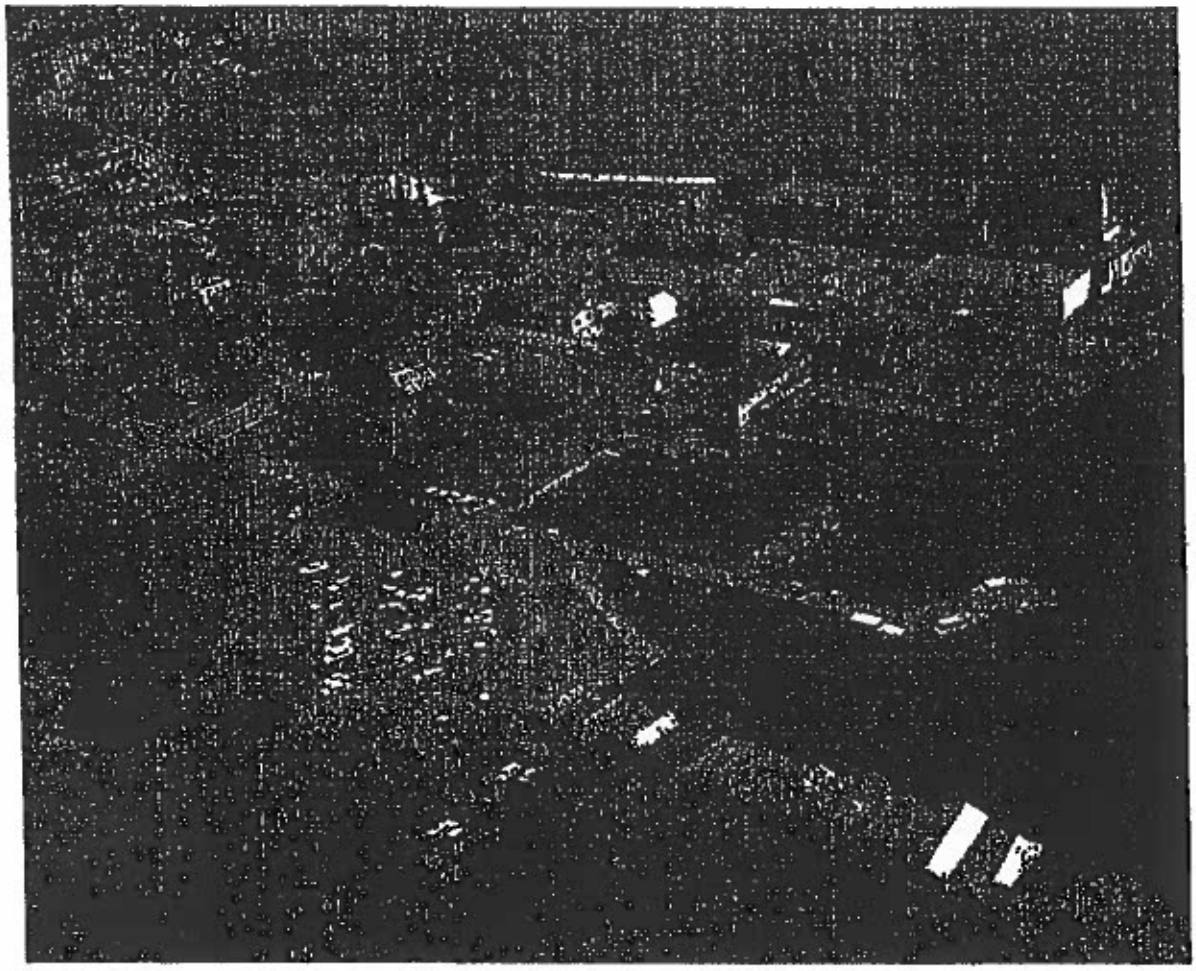
Tel: (613) 226-7381 Ext. 238

Fax: (613) 226-6344

Email: llopers@patersongroup.ca

please notify the sender immediately and delete the original message.

Do You Remember When . . .

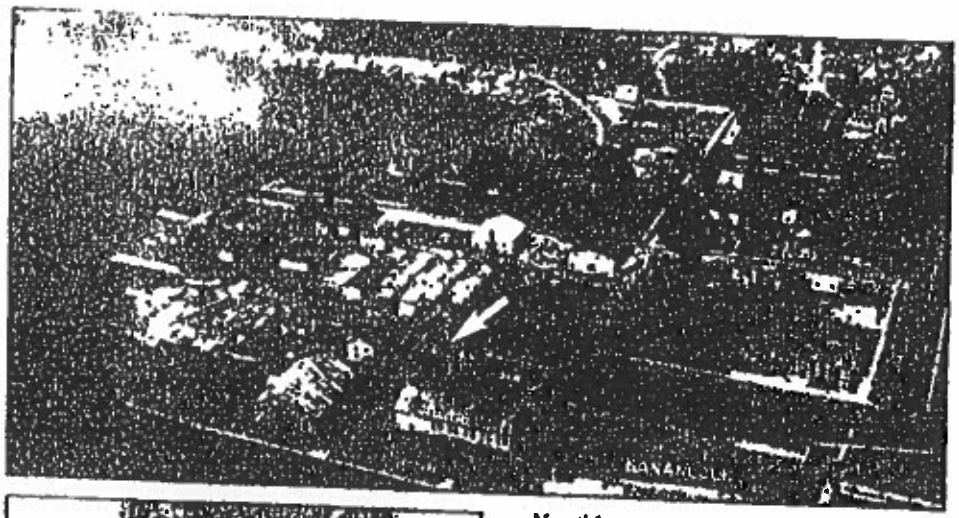


(1959)

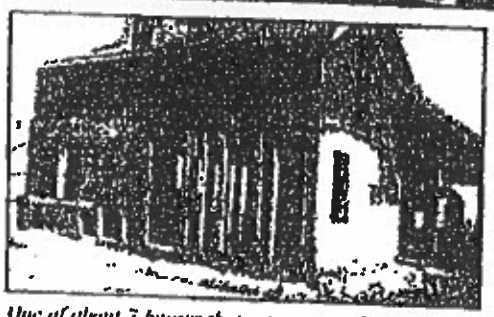
.....The Town's waterfront in the area of the Clarence and Bay Street dock presented a somewhat quieter and more serene atmosphere than today's bustling marina complex. Cabins on the Inn's front lawn (top left) were still in vogue, the milk processing firm of Cow & Gate (top right) still anchored that prime piece of land after thirty-nine years of operations at that site and would continue for yet another twenty or so there until being purchased in 1978 by Ault Foods and being moved to Napanee in the early 80's with these remaining buildings being demolished in 1984. Today, of course, this valuable piece of land serves us a bustline parking lot which comes alive for ten days every August as the spectator site and staging area of our popular Festival Of The Islands extravaganza luring thousands of people to the site night after night.

Across Water Street, directly in front of the Cow & Gate property were the yards, sales office, and shops of Mitchell & Wilson Ltd., a building supply and construction business that had its beginning in 1840, moved to this site in 1911, and would continue there til April of 1993 when after 153 years of service to the community it was announced the firm would close its doors for the last time.

I'm sure many other aspects of this great photograph will interest our many readers. The photo credit goes to the "Ontario Department Of Travel & Publicity - Parliament Buildings - Toronto", but to me the real credit has to go to our very own Ed Clark who not only was the pilot of the plane hired for the shoot, but who so graciously made this as well as three other similar aerial views taken the same day available to me for inclusion in the Newsletters for all of us to enjoy instead of sitting in a drawer at Ed's home. Thanks Ed, and we'll get to see the others in future issues.



Both of these early aerial views of Gananoque's waterfront were taken in 1920 by one of the many First World War returning pilots who hoped to parlay their flying skills into lucrative peacetime business ventures through the sale of postcards and photographs taken high above the towns and cities across Canada. The pictures today, do indeed provide us with a rare archival treasure.



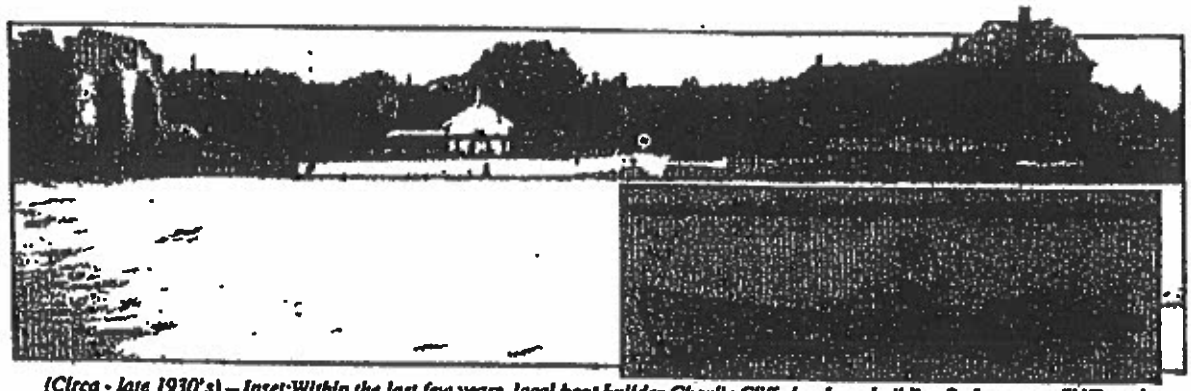
One of about 7 houses that sat on waterfront property where Cow & Gate would later occupy. This dwelling, in the state of being demolished, was the home of Johnny Lo Shu. Situated at the corner of Kate and Water Street, it would have sat just about where today's large stage sits each August during the town's annual Festival of the Islands gala.

No, this one wasn't from the mailbox. While attending the reception following Cliffy LeClair's funeral, Johnny Dailey made a point of approaching me with, "John, I got your latest Newsletter and read it all last night, I looked quite closely at that photo on the cover – they use to call that area Protestant Point and there once were houses where Cow and Gate was and my Aunt Beatie (Bishop) lived in one of them."

A young Johnny Dailey almost a half century ago as a member of the local Electric Light Co. hockey team.

Yes, Johnny is correct. In fact, there were about seven houses on that property where, when later demolished, the National Milk Company would operate from, later to be renamed Cow & Gate. I have no idea where the term 'Protestant Point' originated from, but was just one more area of the Town known by a distinct moniker just like Stocking Hill, Squaw Point, Blockhouse Hill, Hungry Row, and Little Chicago, to name a few.

The houses of 'Protestant Point' as indicated by the arrows.



(Circa - late 1930's) – Inset: Within the last few years, local boat builder Charlie Cliffe has been building St. Lawrence Skiffs and as a fund-raising venture one of his boats will be raffled sometime in late 1995 to raise funds for the new museum.

For almost 80 years (1884-1963) this prime piece of waterfront property was the staging point and yards for the Thousand Islands Railway. This long ago view will change dramatically within the next few months as the finishing touches are applied to the Town's new Historic Waterfront Village. The project will consist of five separate buildings, four of which are designated as retail rental chalets with the largest structure serving as the Arthur Child Museum of the Thousand Islands. Construction of the 1.5 million dollar project began this past Spring and has continued at a torrid pace in order to be ready for an official opening in June of 1995.

The Museum was named for Arthur Child, a former resident who now calls Calgary home, a successful businessman who graciously donated $250,000 towards Gananoque finally having a museum depicting the history and development of the Thousand Islands within this St. Lawrence River region including the communities on both sides of the River with, of course, a special emphasis on the Town of Gananoque itself. The region will be covered from historical, cultural, economic and environmental perspectives covering the whole gamut, from the ice age when the Islands were first formed up to the present day when 300,000 people annually arrive here to witness one of nature's truly most beautiful areas on earth. Displays, artifacts, archival materials, and audio-visual presentations will highlight a visit to the museum.

At this time I'm unsure as to whether the Historical Society and/or the work I've been doing for the last ten years, trying to finally record and put into print the rich and interesting history of Gananoque and area, will play any part in this new museum. However, as a member of the planning committee, I do want to let you know of any way at all that is open for you to support the project, if you have an interest, keeping in mind that my first priority is still to promote the Historical Society and for you to either continue being a member or, if not already a member, think very seriously of throwing your support behind the work I'm doing, then if you would like to help this new museum, memberships and raffle tickets as well as any information about the project can be obtained by contacting: Margaret Follows at (613) 382-2149 or by writing to: Historic 1000 Islands Village Foundation, P.O. Box 331, Gananoque, Ontario K7G 2T8. Receipts for income tax purposes can be obtained for donations.

Gananoque's Citizen of the Year

Once again one of our members has had an honour bestowed on her that very few people throughout their lives will enjoy . . . after all, there's only one each year. This past Spring, at their annual dinner, the Chamber of Commerce selected Nora Reed as Gananoque's citizen of the year. The daughter of Rich Saunders and the late Win (Gerrard) Saunders, Nora has spent almost her entire life here in Gananoque, attending Linklater Public School and the Gananoque High School. She graduated as an X-Ray technician from nearby Kingston's Hotel Dieu Hospital in 1970, the same year she married Gananoque native Dwayne Reed. They have two sons, David 19, a music student at Queen's University and Paul 12, in grade 8 at Linklater Public School.

Nora has always been actively involved in the community, in particular with Christ Anglican Church, the King's Daughters, the Parents' Association of Macdonald P.S. and Gananoque Secondary School and as a co-ordinator of "Joybreak", a monthly social evening for disabled adults.

I've known Nora all my life, having gone to high school at the same time, and have always been impressed with her down-to-earth approach to life combined with her pleasant disposition. While on occasion, showing slides to the King's Daughters, I have learned first hand of the usually behind-the-scenes work that Nora is a part of and can say that Gananoque is just a little better place thanks to people like Nora Reed. Congratulations, Nora, for a richly deserved award!

16534

Troy Virtue

From: Matthew Whitney
Sent: Thursday, August 27, 2009 12:09 PM
To: Troy Virtue; Paula Formanek
Subject: FW: Phase 1 ESA - 175 St. Lawrence Street (Mitchel and Wilson property) and Cow and Gate property, Gananoque, Ontario

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From: Kent Fitzhugh [mailto:kfitzhugh@townofgananoque.ca]
Sent: August 27, 2009 12:07 PM
To: Matthew Whitney
Subject: RE: Phase 1 ESA - 175 St. Lawrence Street (Mitchel and Wilson property) and Cow and Gate property, Gananoque, Ontario

Good morning Matt,

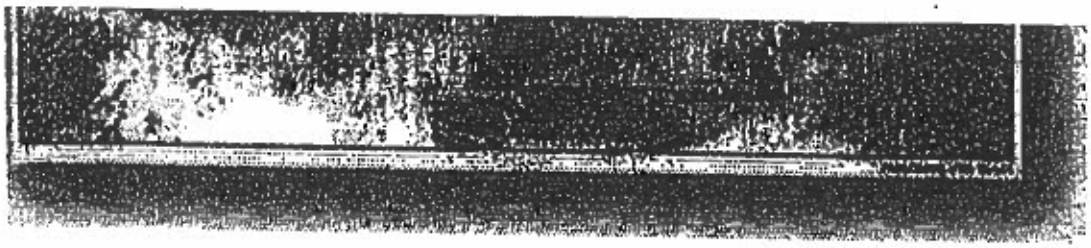
Some information for you regarding the Cow and Gate property, within MPAC the civic address is 125 Water Street West, our Planning Department has requested a change of address to 115 Water Street West , this has not shown up in MPAC yet. You can use the roll number for any searches as it remains the same 0814000010007000000. I have included a screenshot of the property details dated August 12 of this year from MPAC.

Let me know if there is any other info or historical data you need, we will do our best to locate it.

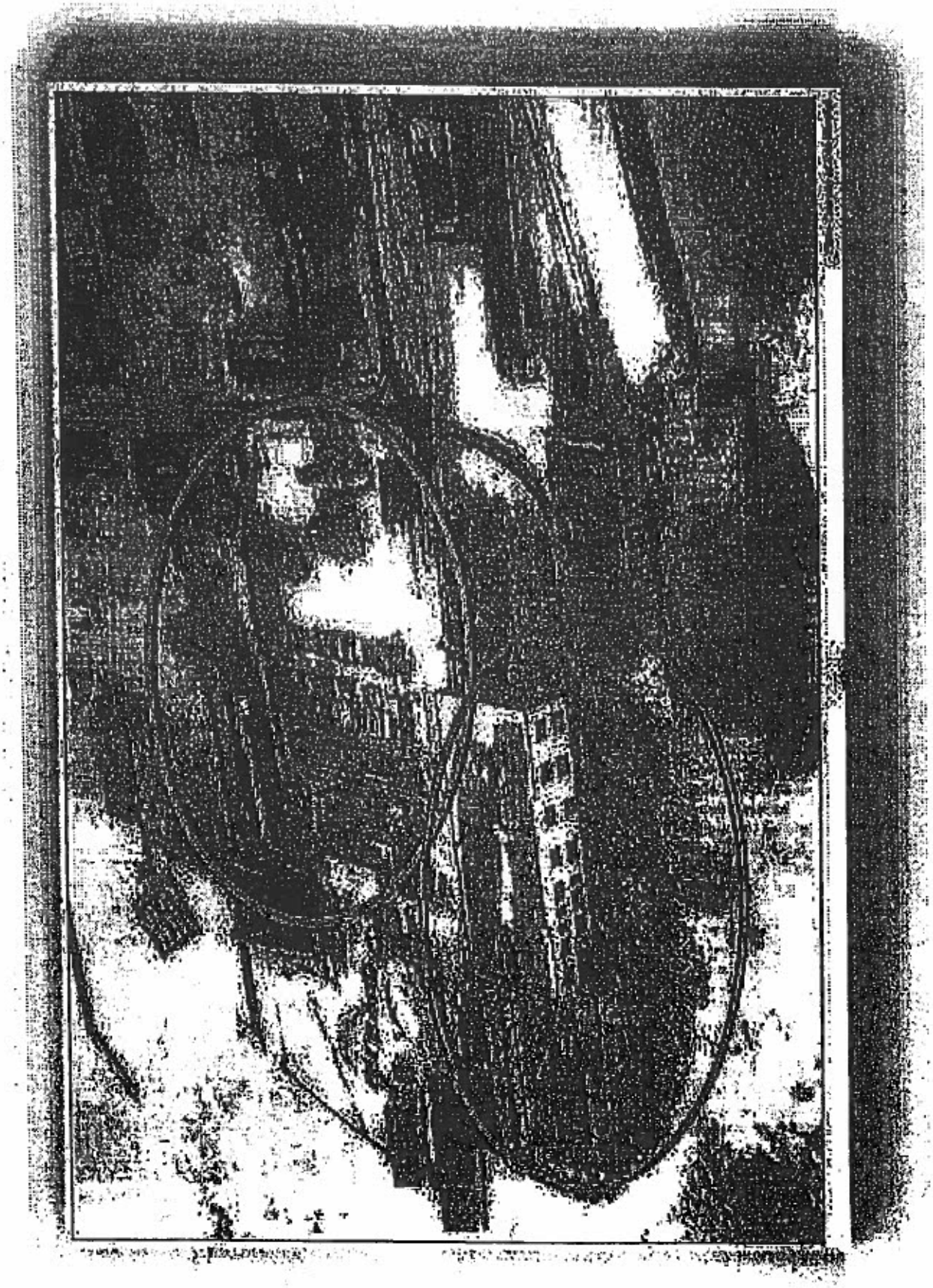
Kent

Site History:

The Mitchell and Wilson site (outlined in yellow in the attachment) is located in what was once a thriving industrial waterfront. Though primarily a parking lot today with one building in the north east corner, In the late 30's and early 40's the property was home to the Shortall Fuel Company that possessed above ground fuel oil storage tanks on the south east corner of the lot. The oil tanks were later replaced with coal sheds in 1941. The site was also home to the Mitchell and Wilson building supply business, lumber and building materials were stored onsite. The remaining building on the lot today houses the Boulevard Cinema and small art shop, it was an original structure from the Mitchell and Wilson business. There is also a small public washroom located at the south west corner of the property.



The large white building pictured above is the Cow and Gate company (on what is now a vacant lot on the Gananoque waterfront), coal boats and freighters unloaded their goods up until the 40's in this area.



MITCHELL + WILSON

General Property Details

Print Date: 2009/9/3

MUNICIPAL PROPERTY ASSESSMENT CORPORATION

Last updated on September 2, 2009

Assessment Activity In Progress					
Building Permit	-	RFR	-	Appeals	-

General Property Details							
Roll Number	0814000010011000000	Created	1962-03-22	Legal Description	PLAN 86 LOTS 548 TO 554 PT WATER ST		
Property Type	415 - Cinema/Movie House/Drive-In	First Owner Name	GANANOQUE TOWN	Property Location	175 ST LAWRENCE ST		
Ward	00	Poll	001	Suffix	0	Zoning	CR
Frontage	220.0 ft	Depth	-	Area	62600.0 Square Feet	Variance	IRREG - Irregular
Access	Y - Year Round Road Access	Driveway	Unspecified/Not Applicable	SRA	-		
Location Comments		Previous roll #	0814000010011000000				

Taxation							
Unit Class	-	School Codes	High	-	Pub Ptn	0	FP Ptn	0
Realty Tax Class	-		Public	28	Sep Ptn	0	FS Ptn	0
Realty Tax Qualifier	-		Sep	62	Prot Sep Ptn	0	No Sup Ptn	425001
Unit Support	B - Split		Fr Pub	50				
Other	POOLED TAX UNIT		Fr Sep	66				
		Roll Total	425001					
		Current Year Phase-In Value	425001					
		Destination Value	440000					

Mailing Address
30 KING ST E PO BOX 100 MAIN GANANOQUE ON K7G 2T0

Ministry of the Environment

Wells Help Desk
Environmental Monitoring and Reporting Branch

125 Resources Road
Toronto ON M9P 3V6
(Toll Free) 1-888-396-9355 (follow prompts 1, 3)
Fax: 416-235-5960
WellsHelpdesk@Ontario.ca

Ministère de l'Environnement

Service d'information sur les puits
Direction de la surveillance environnementale

125 Resources Road
Toronto (Ontario) M9P 3V6
Téléphone : 1 888 396-9355 – Faites ensuite le 2 et le 3 (sans frais en Ontario)
Télécopieur : 416 235-5960
WellsHelpdesk@Ontario.ca

Ontario

Individual Well Record Search Request – Form A
Reference Number 1314-1356As
July 22, 2013

Paterson Group Inc.
154 Colonnade Road South
Ottawa, ON K2E 7J5
Attn: Luke Lopers

Fax: : 613-226-6344
Email Address: llopers@patersongroup.ca

File No. PE2861

1 Well Record located matching the search criteria provided	☐
More than 1 Well Record located matching the search criteria provided	☒
No Well Record found matching the search criteria provided	☐
Comments: wells that fall within 300m of 407290, 4908490	

Number of Well Records matching the search criteria	19 (including attachments)
County:	-
Township:	-
Conc.:	-
Lot:	-
Longitude & Latitude	&

If you have any questions or concerns please contact the **Wells Help Desk**
*** SEARCH REQUEST FORMS AVAILABLE AT www.forms.ssb.gov.on.ca ***

UTM 4 18 E 4 0 7 0 0 0 E
18 R 4 9 0 8 2 8 0 N
Elev. 10 R 0 2 7 5 0 3 0 0
Basin 2 4

ONTARIO

The Well Drillers Act
Department of Mines, Province of Ontario

RECEIVED
FEB - 9 1954
GEOLOGICAL BRANCH
DEPARTMENT of MINES

36 No 2358

Y

Water Well Record

[redacted] Township, Village, Town or City Gamanoque
Town or City) Gamanoque Co. Lanark
Date Completed ... (day) (month) (year) Cost of Well (excluding pump)

Pipe and Casing Record

Casing diameter(s) 6"
Length(s) of casing(s) 10 ft
Type of screen
Length of screen
Distance from top of screen to ground level
Is well a gravel-wall type?

Pumping Test

Date Feb 4
Static level 26
Pumping level
Pumping rate 3 gals PER MIN
Duration of test
Distance from cylinder or bowls to ground level

Water Record

Kind (fresh or mineral) Fresh
Quality (hard, soft, contains iron, sulphur, etc.) Hard
Appearance (clear, cloudy, coloured) Clear
For what purpose(s) is the water to be used? Domestic

Depth(s) to Water Horizon(s)	Kind of Water	No. of Feet Water Rises
~~70 ft~~	Fresh	~~70 ft~~
27		41'

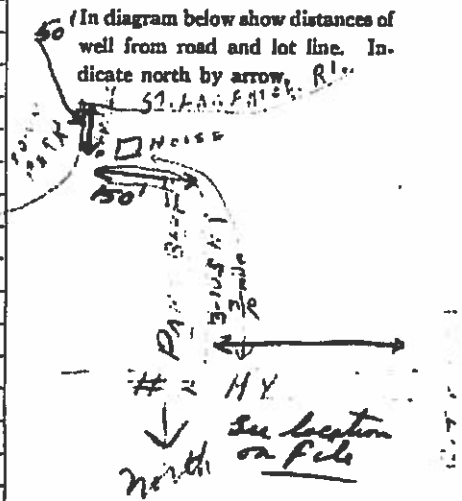
How far is well from possible source of contamination? 60 ft
What is the source of contamination? Septic tank
Enclose a copy of any mineral analysis that has been made of water

Well Log

Overburden and Bedrock Record	From	To
Cinder fill	0 ft.	5 ft.
Red Granite	5	100

Location of Well

(In diagram below show distances of well from road and lot line. Indicate north by arrow.)



Situation: Is well on upland, in valley, or on hillside? Upland
Drilling Firm Gamanoque
Address Gamanoque
Name of Driller Address Gamanoque Ont.
Date Feb 4 1954 Licence Number

Signature of Licensee

Form 5

CSS.58

31 C/86

UTM 18 Z 407115 E
19 R 4908365 N
02500
Elev. 9 R 03000
Basin 24

ONTARIO

RECEIVED
MAR 9 1956
GEOLOGICAL BRANCH

36 No 2360

The Water-well Drillers Act, 1954
Department of Mines

Water-Well Record

County or Territorial District LEEDS Township, Village, Town or City GANANOQUE

[redacted] Village, Town or City) GANANOQUE

Address 13 WINDSOR ST.

(day) (month) (year)

GANANOQUE ONT Box 397

Pipe and Casing Record

Casing diameter(s) 6"
Length(s) 7½ FT
Type of screen
Length of screen

Pumping Test

Static level 30'
Pumping rate 3 g.p.m
Pumping level 100'
Duration of test 2 HRS

Well Log

Water Record

Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	No. of feet water rises	Kind of water (fresh, salty, or sulphur)
SANDY SOIL	0	3'			
RED GRANITE	3'	122'	180'	80'	FRESH

For what purpose(s) is the water to be used?
DOMESTIC

Is water clear or cloudy? CLEAR

Is well on upland, in valley, or on hillside? HILLSIDE
HILLSIDE

Drilling firm C. GOODBERRY

Address VERONA
ONT

Name of Driller LOUIS CRONK

Address VERONA
ONT

Licence Number 710

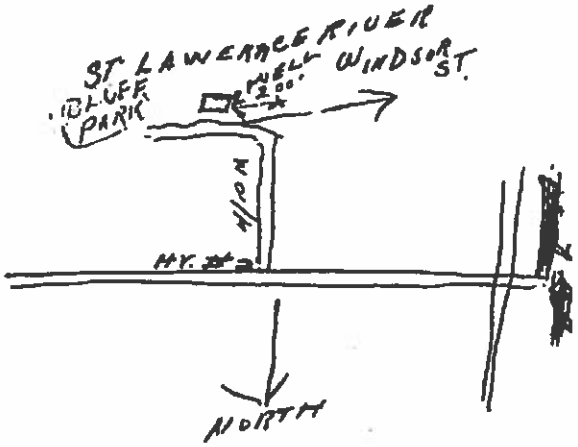
I certify that the foregoing statements of fact are true.

Date Jan 16T Louis Cronk

Signature of Licensee

Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow.



Form 5

The Ontario Water Resources Commission Act

31C/86

WATER WELL RECORD

Water wells regulation in Ontario

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK (X) CORRECT BOX WHERE APPLICABLE

11 3604243 3616101

COUNTY OR DISTRICT: LEEDS
TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: from LEEDS
CON., BLOCA, TRACT, SURVEY ETC: GANANOQUE
LOT:
OWNER (SURNAME FIRST): GOLDEN APPLE TAVERN
ADDRESS: 45 KING ST WEST, GANANOQUE ONT.
DATE COMPLETED: DAY 22 MO 09 YR 69

21 ZONE 18 EASTING 407089 NORTHING 4908540 RC 4 ELEVATION 0270 SL 5 DRIFT CODE 12 4

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH – FEET FROM	TO
BROWN	LOAM		SOFT	0'	3'
WHITE	LIMESTONE		BROKEN	3'	12'
RED	GRANITE		HARD	12'	20'
WHITE	LIMESTONE		POROUS	20'	64'

31 6999602 6001105 0020721 6006111st

32

41 WATER RECORD

WATER FOUND – AT – FEET	KIND OF WATER
036'	2 SALTY
059	2 SALTY

51 CASING & OPEN HOLE RECORD

DIAM – INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH – FEET FROM	TO
6"	1 STEEL	.188	0'	25'
	4 OPEN HOLE		0025	
	4 OPEN HOLE			0064

SCREEN: SLOT NO. | DIAMETER | LENGTH | MATERIAL AND TYPE | DEPTH TO TOP OF SCREEN

61 PLUGGING & SEALING RECORD

DEPTH SET AT – FEET FROM	TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)

71 PUMPING TEST

PUMPING TEST METHOD: 2 BAILER
PUMPING RATE: 0020 GPM
DURATION OF PUMPING: 01 HOURS 00 MINS
STATIC LEVEL: 016 FEET
WATER LEVEL END OF PUMPING: 028 FEET
WATER LEVELS DURING: 1 PUMPING
15 MINUTES: 028 FEET
30 MINUTES: 028 FEET
45 MINUTES: 028 FEET
60 MINUTES: 028 FEET
FINAL PUMPING RATE: GPM
PUMP INTAKE SET AT: FEET
WATER AT END OF TEST: 1 CLEAR
RECOMMENDED PUMP TYPE: 2 DEEP
RECOMMENDED PUMP SETTING: 060 FEET
RECOMMENDED PUMPING RATE: 0005 GPM
0001.7 GPM/FT. SPECIFIC CAPACITY

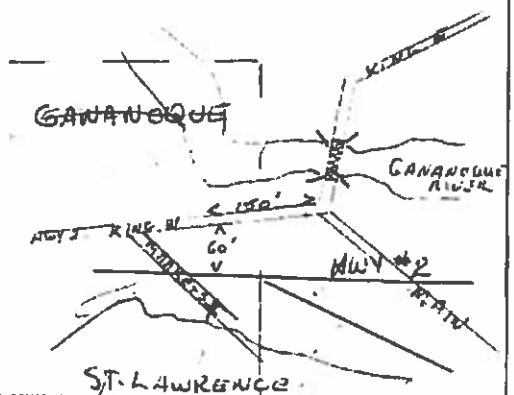
FINAL STATUS OF WELL: 1 WATER SUPPLY; 2 OBSERVATION WELL; 3 TEST HOLE; 4 RECHARGE WELL; 5 ABANDONED, INSUFFICIENT SUPPLY; 6 ABANDONED, POOR QUALITY; 7 UNFINISHED

WATER USE 01: 1 DOMESTIC; 2 STOCK; 3 IRRIGATION; 4 INDUSTRIAL; 5 COMMERCIAL; 6 MUNICIPAL; 7 PUBLIC SUPPLY; 8 COOLING OR AIR CONDITIONING; 9 NOT USED; OTHER

METHOD OF DRILLING: 1 CABLE TOOL; 2 ROTARY (CONVENTIONAL); 3 ROTARY (REVERSE); 4 ROTARY (AIR); 5 AIR PERCUSSION; 6 BORING; 7 DIAMOND; 8 JETTING; 9 DRIVING

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW



DRILLERS REMARKS:

CONTRACTOR

NAME OF WELL CONTRACTOR: Thos. A. Davy & Son Ltd. | LICENCE NUMBER:
ADDRESS: Verona Ont.
NAME OF DRILLER OR BORER: Howard Brown. | LICENCE NUMBER:
SIGNATURE OF CONTRACTOR: T. Davy | SUBMISSION DATE: DAY MO YR

OFFICE USE ONLY

DATA SOURCE: 1 | CONTRACTOR: 1704 | DATE RECEIVED: 16 12 69
DATE OF INSPECTION: | INSPECTOR: P/Km
REMARKS:

OWRC COPY

Ontario Ministry of the Environment

The Ontario Water Resources Act
WATER WELL RECORD

Print only in spaces provided.
Mark correct box with a checkmark, where applicable.

3615776

LEEDS

Part of 2-3-4-6-7 Plan 28R6353

County or District: Leeds - Grenville
Township/Borough/City/Town/Village: Gananoque
Con block, tract survey, etc.: Pt. S6 (Part Lot S36)
Lot: 535
Address: 40 Market St Gananoque
Date completed: 19 12 02 (day month year)

[redacted]

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)

General colour	Most common material	Other materials	General description	Depth - feet From	Depth - feet To
BROWN	CLAY			0	3
BROWN	SAND			3	5
BROWN	SANDSTONE			5	20
GREY	"			20	35
RED	"			35	44
GREY	"			44	55
BROWN	"			55	57
GREY	SANDSTONE			57	60

WATER RECORD

Water found at - feet	Kind of water
56	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 5 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 5 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 5 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 5 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 5 ☐ Gas

CASING & OPEN HOLE RECORD

Inside diam. inches	Material	Wall thickness inches	Depth - feet From	Depth - feet To
6 1/4	1 ☑ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic	3/16	0	20
6	1 ☐ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☑ Open hole 5 ☐ Plastic		20	60
	1 ☐ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic			

SCREEN

Size of opening (Slot No.): | Diameter: inches | Length: feet
Material and type: | Depth at top of screen: feet

PLUGGING & SEALING RECORD

☑ Annular space ☐ Abandonment

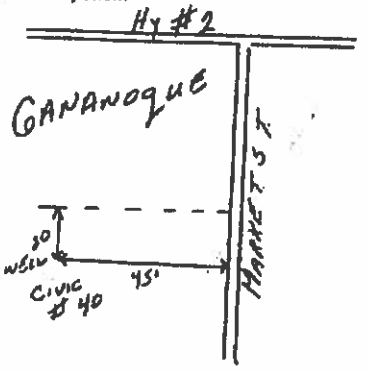
Depth set at - feet From	Depth set at - feet To	Material and type (Cement grout, bentonite, etc.)
0	1	cement grout

PUMPING TEST

Pumping test method: 1 ☐ Pump 2 ☑ Bailer
Pumping rate: 20 GPM
Duration of pumping: 1 hours 0 mins
Static level: 12 feet
Water level end of pumping: 60 feet
Water levels during: 1 ☐ Pumping 2 ☑ Recovery
15 minutes: 12 feet
30 minutes: 12 feet
45 minutes: 12 feet
60 minutes: 12 feet
If flowing give rate: GPM
Pump intake set at: feet
Water at end of test: ☑ Clear ☐ Cloudy
Recommended pump type: ☐ Shallow ☑ Deep
Recommended pump setting: 56' feet
Recommended pump rate: 20 GPM

LOCATION OF WELL

In diagram below show distances of well from road and lot line. Indicate north by arrow.



247828

FINAL STATUS OF WELL

1 ☑ Water supply 2 ☐ Observation well 3 ☐ Test hole 4 ☐ Recharge well 5 ☐ Abandoned, insufficient supply 6 ☐ Abandoned, poor quality 7 ☐ Abandoned (Other) 8 ☐ Dewatering 9 ☐ Unfinished 10 ☐ Replacement well

WATER USE

1 ☑ Domestic 2 ☐ Stock 3 ☐ Irrigation 4 ☐ Industrial 5 ☐ Commercial 6 ☐ Municipal 7 ☐ Public supply 8 ☐ Cooling & air conditioning 9 ☐ Not use 10 ☐ Other

METHOD OF CONSTRUCTION

1 ☐ Cable tool 2 ☐ Rotary (conventional) 3 ☐ Rotary (reverse) 4 ☐ Rotary (air) 5 ☑ Air percussion 6 ☐ Boring 7 ☐ Diamond 8 ☐ Jetting 9 ☐ Driving 10 ☐ Digging 11 ☐ Other

Name of Well Contractor: Jack Knox Well Drilling Ltd
Well Contractor's Licence No.: 3202
Address: Glenburnie
Name of Well Technician: John Knox
Well Technician's Licence No.: 12879
Signature of Technician/Contractor: Jon Knox
Submission date: day mo yr

MINISTRY USE ONLY
Data source: Contractor 3202
Date received: FEB 03 2003
Date of inspection:
Inspector:
Remarks:
CSS.ES3

2 - MINISTRY OF THE ENVIRONMENT COPY

0506 (07/00) Front Form 8

Ontario — Ministry of the Environment

Well Tag No. for Master Well *(Print Well Tag No.)*: A092797

Cluster Well Information for Cluster Well Construction

Regulation 903 Ontario Water Resources Act

Property Owner's Information

First Name	Last Name	Mailing Address (Street No./Name, RR)	Municipality
Corporation of the	Town of Gananoque		Gananoque

Province	Postal Code	E-mail Address	Telephone No. (inc. area code)
ON	K7G2T6		6133822149

[redacted]

upon request

Cluster Well Information

Address of Well Location (Street Number/Name, RR)	Lot	Concession	Township	County/District/Municipality
125 Water ST.	2-17	Water Lot E Plan 86	Town of Gananoque	Leeds + Grenville

City/Town/Village	Province	Postal Code	GPS Unit Make	Model	Unit Mode of Operation
Gananoque	Ontario	K7G3E3	Garmin	map 76	☐ Differentiated, specify: ☐ Undifferentiated ☒ Averaged

Signature of Technician/Contractor: [signature]

Date (yyyy/mm/dd): 2010 08 21

Well ID on Sketch	UTM Coordinates Zone	Easting	Northing	Full Depth of Hole (metres)	Hole Diameter (cm)	Method of Construction	Casing Material	Casing Length (metres)	Screen Interval (metres) From	To	Annular Space Sealant Used	Static Water Level (metres)	Abandonment Sealant Used	Comments	Date of Completion (yyyy/mm/dd)
2	18	407333	4908445	1.52	15.24	Boring	Duc	0.91	0.91	1.52	Bentonite	N/A			2010 06 02
3	18	407337	4908485	2.13	15.24	Boring	Duc	1.21	1.21	2.13	Bentonite	N/A			2010 06 02
4	18	407332	4908506	1.21	15.24	Boring	Duc	0.60	0.60	1.21	Bentonite	N/A			2010 06 02
5	18	407332	4908517	1.82	15.24	Boring	Duc	0.66	0.66	1.82	Bentonite	N/A			2010 06 02

Well Contractor and Well Technician Information

Business Name of Well Contractor	Business Address (Street Number/Name, RR)	Municipality	Province
G.E.T. Drilling Ltd	276 Dana-Inno	Napanee	ON

Postal Code	Business Telephone No. (inc. area code)	Well Contractor's Licence No.	Business E-mail Address
K7R3L1	6133547467	7085	getdrilling@myeondo.ca

Name of Well Technician (First Name, Last Name)	Well Technician's Licence No.	Date Submitted (yyyy/mm/dd)	Signature of Technician
mike Turnbull	3042	2010 08 21	[signature]

Date 1st Well in Cluster Constructed (yyyy/mm/dd)	Date Last Well in Cluster Constructed (yyyy/mm/dd)
2010 06 02	2010 06 02

Ministry Use Only

Date Received (yyyy/mm/dd)	Date Inspected (yyyy/mm/dd)
SEP 17 2010	
Audit No: C 01267	Remarks: mok263

1991 (11/2006)

Ministry's Copy

Ontario — Ministry of the Environment

Well Tag No. for Master Well (Place Sticker and/or Print Below): **A 092797**

Master Well Record for Cluster Well Construction

Regulation 903 Ontario Water Resources Act

Page 1 of 3

Master Well Owner's and Land Owner's Information

First Name	Last Name	E-mail Address
	Corporation of the Town of Gananoque	

Mailing Address (Street Number, Name, RR)	Municipality	Province	Postal Code	Telephone No (inc. area code)
30 King ST East P.O. Box 100	Gananoque	ON	K7G 2T6	613 382 2149

Location and Construction of the Master Well in the Cluster

Address of Well Location (Street Number/Name, RR)	Township	Lot	Concession
125 Water ST. West	Town of Gananoque	2-13	Water bt E Plan 86

County/District/Municipality	City/Town/Village	Province	Postal Code
Leeds & Grenville	Gananoque	Ontario	K7G 3E3

UTM Coordinates	Zone	Easting	Northing	GPS Unit Make	Model	Mode of Operation	Undifferentiated	Averaged
NAD 83	18	407231	4908392	Garmin	MAP 76	Differentiated, specify		X

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

General Colour	Most Common Material	Other Materials	General Description	Depth (Metres) From	Depth (Metres) To
Grey	Sand	Gravel, Cobbles	Fill	0	5.48

Hole Details

Depth (Metres) From	Depth (Metres) To	Diameter (Centimetres)
0	5.48	15.24cm

Water Use

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

Method of Construction

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

Status of Well

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

Construction Details

Inside Diameter (Centimetres)	Material (steel, plastic, fibreglass, concrete, galvanized)	Well Thickness	Depth (Metres) From	Depth (Metres) To
5.08	Plastic casing	SCH 40	0	3.04
5.08	Plastic Screen	SCH 40	3.04	5.48

No Casing and Screen Used

Open Hole: ☐ Yes ☒ No

Static Water Level Test

N/A Metres

Screen

☐ Galvanized ☐ Steel ☐ Fibreglass ☐ Concrete ☒ Plastic

Outside Diameter (Centimetres)	Slot No
5.08	10

Annular Space/Abandonment Sealing Record

Depth Set at (Metres) From	To	Type of Sealant Used (Material and Type)	Volume Used (Cubic Metres)
0	0.30	Flushmount Cover w/ Cement	
0.30	2.74	Bentonite chips	
2.74	5.48	#3 Sand	

Water Details

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

Disinfected: ☐ Yes ☒ No — If no, provide reason: Test Hole

Date Master Well Completed (yyyy/mm/dd): 2010 06 02

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

Total Wells in Cluster	Please indicate Number of Cluster Well Information Log Sheets Submitted
Five	One
Total Wells on this Property: Five	

Location of Well Cluster

Detailed Map must be provided as an attachment no larger than legal size (8.5" x 14"). Sketches are not allowed.

☒ Check box to confirm detailed map is provided as per Section 11.1 (3).

Consent to release additional information concerning the cluster to [redacted]

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No
G.E.T. Drilling LTD.	7085

Business Address (Street No./Name, number, RR)	Municipality
276 Drive-in Rd	Napanee

Province	Postal Code	Business E-mail Address
On	K7R 3L1	getdrilling@sympatico.ca

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)
6133544767	Turnbull, Mike

Well Technician's Licence No.	Signature of Technician	Date Submitted (yyyy/mm/dd)
3042	[signature]	2010 08 21

Ministry Use Only

Audit No.	Well Contractor No.
M 06263	
Date Received (yyyy/mm/dd)	Date of Inspection (yyyy/mm/dd)

Remarks:

1992 (11/2006)

Ministry's Copy

Ontario Ministry of the Environment

Well Tag No: A 028223 (low)
A 028223

Well Record
Regulation 903 Ontario Water Resources Act

page ___ of ___

Instructions 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 Management Coordinator at 416-235-6203.
- All metre measurements shall be reported to 1/10th of a metre.
- Please print clearly in blue or black ink only.

Ministry Use Only
MUN | CON | LOT

Well Owner's Information and Location of Well Information

First Name | Last Name | Mailing Address (Street Number/Name, RR,Lot,Concession)
EOG ECON Contracting Company | 145 Royal Crest Court Unit 6

County/District/Municipality | Township/City/Town/Village | Province | Postal Code | Telephone Number (include area code)
Markham | Ontario | L3R 9Z8

Address of Well Location (County/District/Municipality)
Leeds and the 1000 Islands

Township: Town of Gananoque | Lot: 1017 - 1021 | Concession: Front Canal Rd.

RR#/Street Number/Name: 165 MILL ST. | City/Town/Village: Gananoque | Site/Compartment/Block/Tract etc.: Plan 96

GPS Reading: NAD 83 | Zone 18 | Easting 4 024 038 | Northing 4 906 727 | Unit Make/Model: Garmin | Mode of Operation: ☐ Undifferentiated ☒ Averaged ☐ Differential Specify

Log of Overburden and Bedrock Materials (see instructions)

General Colour	Most common material	Other Materials	General Description		Depth From	Depth To (metres)
Grey	Cobbles	Concrete, boulders, Sand	loose fill	#1	0	2.24
				#2		1.82
				#3		2.13

Hole Diameter

Depth From	Depth To (metres)	Diameter (centimetres)
0	2.74	15.24
0	1.82	15.24
0	2.13	15.24

Water Record

Water found at (metres)	Kind of Water
	☐ Fresh ☐ Sulphur ☐ Salty ☐ Minerals ☐ Gas ☐ Other
	☐ Fresh ☐ Sulphur ☐ Salty ☐ Minerals ☐ Gas ☐ Other
	☐ Fresh ☐ Sulphur ☐ Salty ☐ Minerals ☐ Gas ☐ Other

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

Chlorinated? ☐ Yes ☐ No

Construction Record

Casing

Inside diam (centimetres)	Material	Wall thickness (centimetres)	Depth From	Depth To (metres)
5.06	☐ Steel ☐ Fibreglass ☒ Plastic ☐ Concrete ☐ Galvanized	SCH 40	0	1.21
5.06	☐ Steel ☐ Fibreglass ☒ Plastic ☐ Concrete ☐ Galvanized	SCH 40	0	0.91
5.06	☐ Steel ☐ Fibreglass ☒ Plastic ☐ Concrete ☐ Galvanized	SCH 40	0	0.91

Screen

Outside diam	Material	Slot No.	Depth From	Depth To (metres)
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	#1	1.21	2.74
		#2	0.91	1.82
		#3	0.91	2.13

No Casing or Screen
☐ Open hole

Test of Well Yield

Pumping test method	Draw Down Time (min)	Draw Down Water Level (metres)	Recovery Time (min)	Recovery Water Level (metres)
Pump intake set at - (metres)	Static Level			
Pumping rate - (litres/min)	1		1	
Duration of pumping ___ hrs + ___ min	2		2	
Final water level end of pumping ___ metres	3		3	
Recommended pump type ☐ Shallow ☐ Deep	4		4	
Recommended pump depth. ___ metres	5		5	
Recommended pump rate (litres/min)	10		10	
If flowing give rate - (litres/min)	15		15	
If pumping discontinued, give reason.	20		20	
	25		25	
	30		30	
	40		40	
	50		50	
	60		60	

Plugging and Sealing Record ☒ Annular space ☐ Abandonment

Depth set at - From	To	Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)
0	0.30	Flushmount cover Sealed	
0.30	0.91	bentonite chips	
0.30	0.76	bentonite chips	
0.76	1.82	Sand #3	
0.76	2.13	Sand #3	

Method of Construction

☐ Cable Tool ☐ Rotary (air) ☐ Diamond ☐ Digging
☐ Rotary (conventional) ☐ Air percussion ☐ Jetting ☐ Other
☐ Rotary (reverse) ☒ Boring ☐ Driving

Water Use

☐ Domestic ☐ Industrial ☐ Public Supply ☒ Other Monitor
☐ Stock ☐ Commercial ☐ Not used
☐ Irrigation ☐ Municipal ☐ Cooling & air conditioning

Final Status of Well

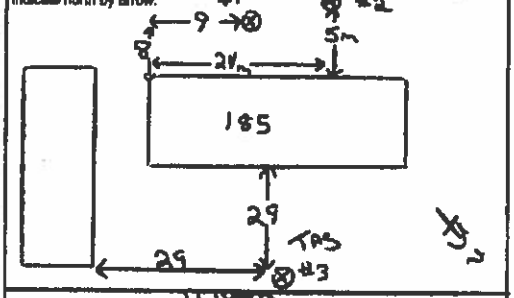
☐ Water Supply ☐ Recharge well ☐ Unfinished ☐ Abandoned, (Other)
☐ Observation well ☐ Abandoned, insufficient supply ☐ Dewatering
☒ Test Hole ☐ Abandoned, poor quality ☐ Replacement well

Well Contractor/Technician Information

Name of Well Contractor: G.F.T. Drilling LTD | Well Contractor's Licence No.: 7085
Business Address (street name, number, city etc.): 310 Nonquon
Name of Well Technician (last name, first name): Harrison Tim | Well Technician's Licence No.: T-2251
Signature of Technician/Contractor | Date Submitted: 2005 NOV 25

MILL ST. Location of Well

In diagram below show distances of well from road, lot line, and building. Indicate north by arrow.



Audit No.: Z 30231 | Date Well Completed: 2005 NOV 25
Was the well owner's information package delivered? ☐ Yes ☒ No | Date Delivered

Ministry Use Only
Data Source | Contractor: 7085
Date Received: NOV 25 2005 | Date of Inspection | Well Record Number

0506E (05/03) Contractor's Copy ☐ Ministry's Copy ☒ Well Owner's Copy ☐ *Cette formule est disponible en français*

Ontario Ministry of the Environment

Well Tag No. (Place Sticker and/or Print Below) A 051929

A051929

Well Record

Regulation 903 Ontario Water Resources Act

Page ____ of ____

Well Owner's Information

First Name: | Last Name: | E-mail Address: | ☐ Well Constructed by Well Owner

GANANOQUE RESORTS LTD

Mailing Address (Street Number/Name, RR): 185 MILL ST | Municipality: GANANOQUE | Province: ON | Postal Code: K7G2L2 | Telephone No (inc. area code)

Part A Construction and/or Major Alteration of a Well

Address of Well Location (Street Number/Name, RR): 185 MILL ST. – Lot 1020; Pt. Lots: 1017, 1018, 1019, 1021 – Pt. of the CANAL RESERVE; R.P. 88 West | Township | Lot | Concession

County/District/Municipality: ~~Gan~~ CTY. LEEDS | City/Town/Village: GANANOQUE | Province: Ontario | Postal Code: K7G2L2

UTM Coordinates: Zone | Easting | Northing | GPS Unit Make | Model | Mode of Operation | Undifferentiated | Averaged

NAD 83 | 18 | 407487 | 4908749 | MAGELLAN | SPORTRAK | ☐ Differentiated, specify

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

General Colour	Most Common Material	Other Materials	General Description	Depth (Metres) From	To
BROWN	SAND	GRAVEL	FINE SAND	0	0.610
BLACK	SILT	SAND, GRAVEL		0.610	3.05
BROWN	PEAT	WOOD FRAGMENTS		3.05	3.96

Annular Space/Abandonment Sealing Record

Depth Set at (Metres) From	To	Type of Sealant Used (Material and Type)	Volume Placed (Cubic Metres)
3.96	0.914	SILICA SAND	.018
0.914	0	BENSEAL	.005

Method of Construction

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

Water Use

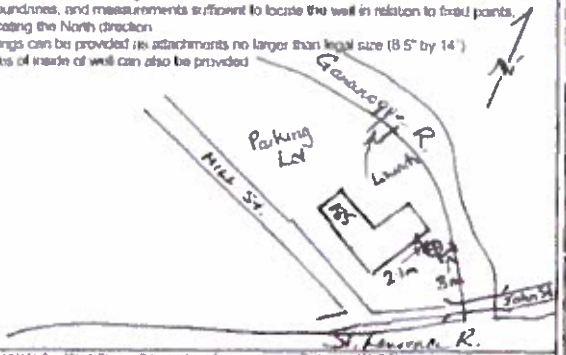
☐ Public ☐ Commercial ☐ Not used
☐ Domestic ☐ Municipal ☐ Dewatering
☐ Livestock ☒ Test Hole ☒ Monitoring
☐ Irrigation ☐ Cooling & Air Conditioning
☐ Industrial
☐ Other, specify

Status of Well

☐ Water Supply ☐ Dewatering Well ☒ Observation and/or Monitoring Hole
☐ Replacement Well ☐ Abandoned, Insufficient Supply ☐ Alteration (Construction)
☐ Test Hole ☐ Abandoned, Poor Water Quality ☐ Other, specify
☐ Recharge Well ☐ Abandoned, other, specify

Location of Well

Please provide a map below showing
- all property boundaries, and measurements sufficient to locate the well in relation to fixed points,
- an arrow indicating the North direction
- detailed drawings can be provided as attachments no larger than legal size (8.5" by 14")
- digital pictures of inside of well can also be provided



Date Well Completed (yyyy/mm/dd): 2008/08/30

Was the well owner's information package delivered? ☐ Yes ☐ No

Date the Well Record and Package Delivered to Well Owner (yyyy/mm/dd)

Well Contractor and Well Technician Information

Business Name of Well Contractor: MPI DRILLING | Well Contractor's Licence No: 6571

Business Address (Street No./Name, number, RR): COMP 6007 | Municipality: PICTON

Province: ON | Postal Code: K0K2T0 | Business E-mail Address: info@mpidrilling.com

Bus. Telephone No. (inc. area code): 6133932165 | Name of Well Technician (Last Name, First Name): RANKIN, Kevin

Well Technician's Licence No: 3426 | Signature of Technician: Kevin Rankin | Date Submitted (yyyy/mm/dd): 08/02/08

Results of Well Yield Testing

Check box if after test of well yield, water was:
☐ Clear and sand free
☐ Cannot develop to sand-free state

If pumping discontinued, give reason:

Pumping test method:

Pump intake set at (Metres):

Pumping rate (Litres/min):

Duration of pumping: ____ hrs + ____ min

Final water level end of pumping (Metres):

Recommended pump type: ☐ Shallow ☐ Deep

Recommended pump depth: ____ Metres

Recommended pump rate (Litres/min):

If flowing give rate (Litres/min):

	Draw Down Time (Min)	Draw Down Water Level (Metres)	Recovery Time (Min)	Recovery Water Level (Metres)
Static Level			Static Level	
1			1	
2			2	
3			3	
4			4	
5			5	
10			10	
15			15	
20			20	
25			25	
30			30	
40			40	
50			50	
60			60	

Water Details

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

Casing Used

☐ Galvanized ☐ Steel ☐ Fibreglass ☒ Plastic ☐ Concrete

Screen Used

☐ Galvanized ☐ Steel ☐ Fibreglass ☒ Plastic ☐ Concrete

No Casing and Screen Used

☐ Open Hole

Disinfected? ☐ Yes ☐ No

Casing and Well Details

Diameter of the Hole (Centimetres): 10.2

Depth of the Hole (Metres): 3.96

Wall Thickness (Metres): .006

Inside Diameter of the Casing (Metres): .051

Depth of the Casing (Metres): .914

Ministry Use Only

Audit No: z 61754 | Well Contractor No.

Date Received (yyyy/mm/dd): MAY 16 2008 | Date of Inspection (yyyy/mm/dd)

Remarks

Ministry's Copy

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Ontario Ministry of the Environment

Well Tag No. (Place Sticker and Print Below) A 055698

A055698

Well Record

Regulation 903 Ontario Water Resources Act

Page ____ of ____

Well Owner's Information

First Name	Last Name	E-mail Address	
GANANOQUE RESORTS LTD.			☐ Well Constructed by Well Owner

Mailing Address (Street Number/Name, RR)	Municipality	Province	Postal Code	Telephone No (inc. area code)
185 MILL ST.	GANANOQUE	ON	K7G2L2	

Part A Construction and/or Major Alteration of a Well

Address of Well Location (Street Number/Name, RR)	Township	Lot	Concession
185 MILL ST. - Lot 1020, Pt Lots. 1017, 1018, 1019, 1021 - Pt of the CANAL RESERVE - RP 88 West			

County/District/Municipality	City/Town/Village	Province	Postal Code
CTY. LEEDS	GANANOQUE	Ontario	K7G2L2

UTM Coordinates	Zone	Easting	Northing	GPS Unit Make	Model	Mode of Operation	Uncorrected	Averaged
NAD 83	18	407478	4908786	MAGELLAN	SPORTRAK	☐ Differentiated specify	☐	☒

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

General Colour	Most Common Material	Other Materials	General Description	Depth (Metres) From	To
BROWN	SAND	GRAVEL	FINE SAND	0	0.610
BLACK	SILT	SAND, GRAVEL		0.610	3.05
BROWN	PEAT	WOOD FRAGMENTS		3.05	3.96

Annular Space/Abandonment Sealing Record

Depth Set at (Metres) From	To	Type of Sealant Used (Material and Type)	Volume Placed (Cubic Metres)
3.96	0.914	SILICA SAND	.018
0.914	0	BENSEAL	.005

Method of Construction

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

Water Use

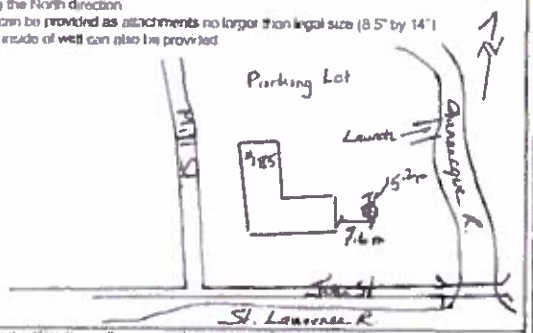
☐ Public ☐ Commercial ☐ Not used ☐ Domestic ☐ Municipal ☐ Dewatering ☐ Livestock ☒ Test Hole ☒ Monitoring ☐ Irrigation ☐ Cooling & Air Conditioning ☐ Industrial ☐ Other, specify

Status of Well

☐ Water Supply ☐ Dewatering Well ☒ Observation and/or Monitoring Hole ☐ Replacement Well ☐ Abandoned, Insufficient Supply ☐ Alteration (Construction) ☐ Test Hole ☐ Abandoned, Poor Water Quality ☐ Other, specify ☐ Recharge Well ☐ Abandoned, other, specify

Location of Well

Please provide a map below showing
- all property boundaries and measurements sufficient to locate the well in relation to fixed points
- an arrow indicating the North direction
- detailed drawings can be provided as attachments no larger than legal size (8.5" by 14")
- vegetal pictures of inside of well can also be provided



Date Well Completed (yyyy/mm/dd)	Was the well owner's information package delivered?	Date the Well Record and Package Delivered to Well Owner (yyyy/mm/dd)
2007/08/30	Yes ☐ No ☐	

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No
MPI DRILLING	6571

Business Address (Street No./Name, number, RR)	Municipality
COMP 6007	PICTON

Province	Postal Code	Business E-mail Address
ON	K0K2T0	info@mpidrilling.com

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)
6133932165	RANKIN, Kevin

Well Technician's Licence No.	Signature of Technician	Date Submitted (yyyy/mm/dd)
3492		08/02/03

05/04, (11/2003)

Ministry's Copy

Results of Well Yield Testing

Check box if after test of well yield water was:
☐ Clear and sand free
☐ Cannot develop to sand-free state

If pumping discontinued, give reason:

Pumping test method:

Pump intake set at (Metres):

Pumping rate (Litres/min):

Duration of pumping: hrs + min

Final water level end of pumping (Metres):

Recommended pump type: ☐ Shallow ☐ Deep

Recommended pump depth: Metres

Recommended pump rate (Litres/min):

If flowing give rate (Litres/min):

	Draw Down		Recovery	
	Time (Min)	Water Level (Metres)	Time (Min)	Water Level (Metres)
	Static Level		Static Level	
	1		1	
	2		2	
	3		3	
	4		4	
	5		5	
	10		10	
	15		15	
	20		20	
	25		25	
	30		30	
	40		40	
	50		50	
	60		60	

Water Details

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

Casing Used	Screen Used
☐ Galvanized	☐ Galvanized
☐ Steel	☐ Steel
☐ Fibreglass	☐ Fibreglass
☒ Plastic	☒ Plastic
☐ Concrete	☐ Concrete

No Casing and Screen Used
☐ Open Hole

Disinfected? ☐ Yes ☐ No

Casing and Well Details

Diameter of the Hole (Centimetres): 10.2

Depth of the Hole (Metres): 3.96

Wall Thickness (Metres): .006

Inside Diameter of the Casing (Metres): .051

Depth of the Casing (Metres): 1.524

Ministry Use Only

Audit No.	Well Contractor No
Z61755	
Date Received (yyyy/mm/dd) MAR 18 2008	Date of Inspection (yyyy/mm/dd)
Remarks	

Ontario Ministry of the Environment

Well Tag No. *(Place Sticker and/or Print Below)* **A 055709**

A055709

Well Record

Regulation 903 Ontario Water Resources Act

Page ____ of ____

Well Owner's Information

First Name	Last Name	E-mail Address	☐ Well Constructed by Well Owner
	GANANOQUE RESORTS LTD.		

Mailing Address (Street Number/Name, RR)	Municipality	Province	Postal Code	Telephone No. (inc. area code)
185 MILL ST.	GANANOQUE	ON	K7G 2L2	

Part A Construction and/or Major Alteration of a Well

Address of Well Location (Street Number/Name, RR)	Township	Lot	Concession
185 MILL ST - Lot 1020; Pt. Lots: 1017, 1018, 1019, 1021 - Pt. of the CANAL RESERVE - RP 88			

County/District/Municipality	City/Town/Village	Province	Postal Code
CTY LEEDS	GANANOQUE	Ontario	K7G 2L2

UTM Coordinates	Zone	Easting	Northing	GPS Unit Make	Model	Mode of Operation	☐ Undifferentiated ☒ Averaged
NAD 8 3	18	407459	4908770	MAGELLAN	SPORTRAK	☐ Differentiated specify	

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

General Colour	Most Common Material	Other Materials	General Description	Depth (Metres) From	Depth (Metres) To
BROWN	GRAVEL	SAND		0	0.305
BLACK	SILT	SAND, GRAVEL		0.305	1.829
BLACK	SILT	SAND, BOULDER		1.829	2.438

Annular Space/Abandonment Sealing Record

Depth Set at (Metres) From	To	Type of Sealant Used (Material and Type)	Volume Placed (Cubic Metres)
2.438	0.914	SILICA SAND	.009
0.914	0	BENSEAL	.005

Method of Construction

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

Water Use

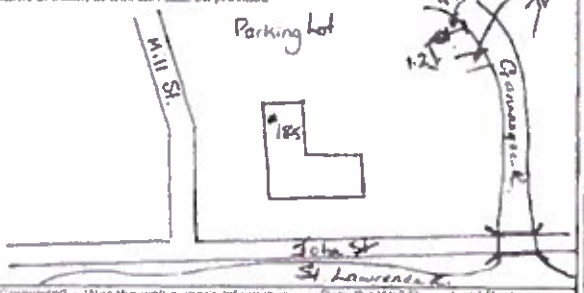
☐ Public ☐ Commercial ☐ Not used ☐ Domestic ☐ Municipal ☐ Dewatering ☐ Livestock ☒ Test Hole ☒ Monitoring ☐ Irrigation ☐ Cooling & Air Conditioning ☐ Industrial ☐ Other, specify

Status of Well

☐ Water Supply ☐ Dewatering Well ☒ Observation and/or Monitoring Hole ☐ Replacement Well ☐ Abandoned, Insufficient Supply ☐ Alteration (Construction) ☐ Test Hole ☐ Abandoned, Poor Water Quality ☐ Other, specify ☐ Recharge Well ☐ Abandoned, other, specify

Location of Well

Please provide a map below showing:
- all property boundaries, and measurements sufficient to locate the well in relation to fixed points,
- an arrow indicating the North direction
- detailed drawings can be provided as attachments no larger than legal size (8.5" by 14")
- digital picture of inside of well can also be provided



Date Well Completed (yyyy/mm/dd)	Was the well owner's information package delivered?	Date the Well Record and Package Delivered to Well Owner (yyyy/mm/dd)
2007/08/30	☐ Yes ☐ No	

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
MPI DRILLING	6571

Business Address (Street No./Name, number, RR)	Municipality	Province	Postal Code	Business E-mail Address
COMP 6007	PICTON	ON	K0K 2T0	info@mpidrilling.com

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)	Well Technician's Licence No.	Signature of Technician	Date Submitted (yyyy/mm/dd)
6133932165	RANKIN, Kevin	3426		08/12/08

Ministry's Copy

Results of Well Yield Testing

Check box if after test of well yield, water was:
☐ Clear and sand free
☐ Cannot develop to sand-free state

If pumping discontinued, give reason:

Pumping test method

Pump intake set at (Metres)

Pumping rate (Litres/min)

Duration of pumping: hrs + min

Final water level end of pumping (Metres)

Recommended pump type: ☐ Shallow ☐ Deep

Recommended pump depth: Metres

Recommended pump rate (Litres/min)

If flowing give rate (Litres/min)

	Draw Down Time (Min)	Draw Down Water Level (Metres)	Recovery Time (Min)	Recovery Water Level (Metres)
Static Level			Static Level	
1			1	
2			2	
3			3	
4			4	
5			5	
10			10	
15			15	
20			20	
25			25	
30			30	
40			40	
50			50	
60			60	

Water Details

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

Casing Used	Screen Used
☐ Galvanized	☐ Galvanized
☐ Steel	☐ Steel
☐ Fibreglass	☐ Fibreglass
☒ Plastic	☒ Plastic
☐ Concrete	☐ Concrete

No Casing and Screen Used

☐ Open Hole

Disinfected? ☐ Yes ☐ No

Casing and Well Details

Diameter of the Hole (Centimetres)	10.2
Depth of the Hole (Metres)	2.438
Wall Thickness (Metres)	0.006
Inside Diameter of the Casing (Metres)	0.051
Depth of the Casing (Metres)	0.914

Ministry Use Only

Audit No.	Well Contractor No.
z 61756	
Date Received (yyyy/mm/dd) DEC 18 2008	Date of Inspection (yyyy/mm/dd)
Remarks	

Ontario Ministry of the Environment

Well Tag No. *(Place Sticker and/or Print Below)* A057842 **A 057842**

Well Record

Regulation 903 Ontario Water Resources Act

Page ____ of ____

Well Owner's Information

First Name | Last Name | E-mail Address | ☐ Well Constructed by Well Owner

GANANOQUE RESORTS LTD

Mailing Address (Street Number/Name, RR) | Municipality | Province | Postal Code | Telephone No. (inc. area code)

185 MILL ST. – Lot 1020, Pt. Lots 1017, 1018, 1019, 1021 – RP 88W | GANANOQUE | ONT | K7G2L2 |

Part A Construction and/or Major Alteration of a Well

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

185 MILL ST – Lot 1020; Pt. Lots 1017, 1018, 1019; 1021 – Pt. of the CANAL RESERVE – RP 88 WEST

County/District/Municipality | City/Town/Village | Province | Postal Code

CTY LEEDS | GANANOQUE | Ontario | K7G2L2

UTM Coordinates | Zone | Easting | Northing | GPS Unit Make | Model | Mode of Operation | Undifferentiated | Averaged

NAD 8 3 | 18 | 407441 | 4908708 | MAGELLAN | SPORTRAK | ☐ Differentiated, specify

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

General Colour	Most Common Material	Other Materials	General Description	Depth (Metres) From	To
BROWN	TOPSOIL			0	1.52
GREY	LIMESTONE			1.52	9.14

Annular Space/Abandonment Sealing Record

Depth Set at (Metres) From	To	Type of Sealant Used (Material and Type)	Volume Placed (Cubic Metres)
9.144	3.048	SILICA SAND	.037
3.048	0	BENSEAL	.018

Method of Construction

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

Water Use

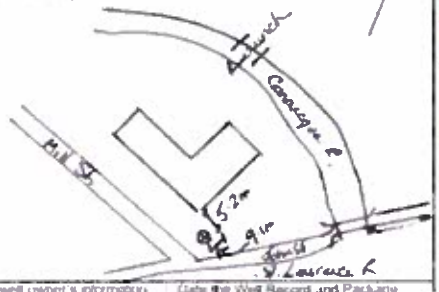
☐ Public ☐ Commercial ☐ Not used
☐ Domestic ☐ Municipal ☐ Dewatering
☐ Livestock ☒ Test Hole ☒ Monitoring
☐ Irrigation ☐ Cooling & Air Conditioning
☐ Industrial
☐ Other, specify

Status of Well

☐ Water Supply ☐ Dewatering Well ☒ Observation and/or Monitoring Hole
☐ Replacement Well ☐ Abandoned, Insufficient Supply ☐ Alteration (Construction)
☒ Test Hole ☐ Abandoned, Poor Water Quality ☐ Other, specify
☐ Recharge Well ☐ Abandoned, other, specify

Location of Well

Please provide a map below showing:
- all property boundaries, and measurements sufficient to locate the well in relation to fixed points
- an arrow indicating the North direction
- detailed drawings can be provided as attachments no larger than legal size (8.5" by 14")
- digital pictures of inside of well can also be provided



Date Well Completed (yyyy/mm/dd) 2007/09/05 | Was the well owner's information package delivered? ☐ Yes ☐ No | Date the Well Record and Package Delivered to Well Owner (yyyy/mm/dd)

Well Contractor and Well Technician Information

Business Name of Well Contractor | Well Contractor's Licence No

MPI DRILLING | 6571

Business Address (Street No./Name, number, RR) | Municipality

COMP 6007 | PICTON

Province | Postal Code | Business E-mail Address

ON | K0K2T0 | info@mpidrilling.com

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

6133932165 | RANKIN, Kevin

Well Technician's Licence No. | Signature of Technician | Date Submitted (yyyy/mm/dd)

5426 | K. Rankin | 2008/03/14

Results of Well Yield Testing

Check box if after test of well yield, water was:
☐ Clear and sand free
☐ Cannot develop to sand-free state

If pumping discontinued, give reason

Pumping test method

Pump intake set at (Metres)

Pumping rate (Litres/min)

Duration of pumping: ____ hrs + ____ min

Final water level end of pumping (Metres)

Recommended pump type: ☐ Shallow ☐ Deep

Recommended pump depth: ____ Metres

Recommended pump rate (Litres/min)

If flowing give rate (Litres/min)

	Draw Down Time (Min)	Draw Down Water Level (Metres)	Recovery Time (Min)	Recovery Water Level (Metres)
Static Level			Static Level	
1			1	
2			2	
3			3	
4			4	
5			5	
10			10	
15			15	
20			20	
25			25	
30			30	
40			40	
50			50	
60			60	

Water Details

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

Casing Used

☐ Galvanized
☐ Steel
☐ Fibreglass
☒ Plastic
☐ Concrete

Screen Used

☐ Galvanized
☐ Steel
☐ Fibreglass
☒ Plastic
☐ Concrete

No Casing and Screen Used

☐ Open Hole

Disinfected? ☐ Yes ☐ No

Casing and Well Details

Diameter of the Hole (Centimetres): 10.2

Depth of the Hole (Metres): 9.144

Wall Thickness (Metres): .006

Inside Diameter of the Casing (Metres): .051

Depth of the Casing (Metres): 3.048

Ministry Use Only

Audit No: z61757 | Well Contractor No

Date Received (yyyy/mm/dd) | Date of Inspection (yyyy/mm/dd)

Remarks

Ministry's Copy

Ontario Ministry of the Environment

Well Tag No. (Place Sticker and/or Print Below) A057843 A 057843

Well Record

Regulation 903 Ontario Water Resources Act

Page ____ of ____

Well Owner's Information

First Name: | Last Name: | E-mail Address: | ☐ Well Constructed by Well Owner

GANANOQUE RESORTS LTD.

Mailing Address (Street Number/Name, RR): 185 MILL ST | Municipality: GANANOQUE | Province: ON | Postal Code: K7G 2L2 | Telephone No. (inc. area code)

Part A Construction and/or Major Alteration of a Well

Address of Well Location (Street Number/Name, RR): 185 MILL ST – Lot 1020; Pt. Lots 1017, 1018, 1019, 1021 – Pt of the CANAL RESERVE – RP 88 WEST | Township | Lot | Concession

County/District/Municipality: CTY. LEEDS | City/Town/Village: GANANOQUE | Province: Ontario | Postal Code: K7G 2L2

UTM Coordinates: NAD 8 3 | Zone | Easting: 18407420 | Northing: 4908729 | GPS Unit Make | Model: MAGELLAN 300TRAK | Mode of Operation: ☐ Differentiated, specify ☐ Undifferentiated ☑ Averaged

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

General Colour	Most Common Material	Other Materials	General Description	Depth (Metres) From	To
BROWN	GRAVEL	SAND		0	1.52
GREY	LIMESTONE			1.52	9.14

Annular Space/Abandonment Sealing Record

Depth Set at (Metres) From	To	Type of Sealant Used (Material and Type)	Volume Placed (Cubic Metres)
9.14	1.52	SILICA SAND	.041 .057
1.52	0	BENSEAL	.009

Results of Well Yield Testing

Check box if after test of well yield, water was: ☐ Clear and sand free ☐ Cannot develop to sand-free state

If pumping discontinued, give reason:

Pumping test method:

Pump intake set at (Metres):

Pumping rate (Litres/min):

Duration of pumping: hrs + ____ min

Final water level end of pumping (Metres):

Recommended pump type: ☐ Shallow ☐ Deep

Recommended pump depth: ____ Metres

Recommended pump rate (Litres/min):

If flowing give rate (Litres/min):

	Draw Down Time (Min)	Draw Down Water Level (Metres)	Recovery Time (Min)	Recovery Water Level (Metres)
Static Level			Static Level	
1			1	
2			2	
3			3	
4			4	
5			5	
10			10	
15			15	
20			20	
25			25	
30			30	
40			40	
50			50	
60			60	

Method of Construction

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

Water Use

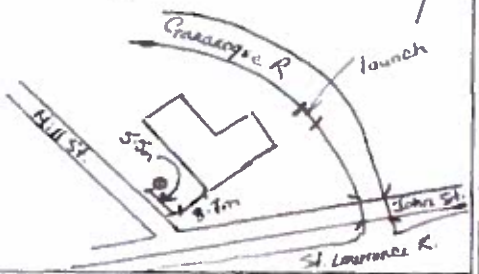
☐ Public ☐ Commercial ☐ Not used ☐ Domestic ☐ Municipal ☐ Dewatering ☐ Livestock ☑ Test Hole ☑ Monitoring ☐ Irrigation ☐ Cooling & Air Conditioning ☐ Industrial ☐ Other, specify

Status of Well

☐ Water Supply ☐ Dewatering Well ☑ Observation and/or Monitoring Hole ☐ Replacement Well ☐ Abandoned, Insufficient Supply ☐ Alteration (Construction) ☑ Test Hole ☐ Abandoned, Poor Water Quality ☐ Other, specify ☐ Recharge Well ☐ Abandoned, other, specify

Location of Well

Please provide a map below showing
- all property boundaries, and measurements sufficient to locate the well in relation to fixed points,
- an arrow indicating the North direction
- detailed drawings can be provided as attachments no larger than legal size (8.5" by 14")
- digital pictures of inside of well can also be provided



Date Well Completed (yyyy/mm/dd): 2007/09/06

Was the well owner's information package delivered? ☐ Yes ☐ No

Date the Well Record and Package Delivered to Well Owner (yyyy/mm/dd)

Water Details

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

Casing Used

☐ Galvanized ☐ Steel ☐ Fibreglass ☑ Plastic ☐ Concrete

Screen Used

☐ Galvanized ☐ Steel ☐ Fibreglass ☑ Plastic ☐ Concrete

No Casing and Screen Used

☐ Open Hole

Disinfected? ☐ Yes ☐ No

Casing and Well Details

Diameter of the Hole (Centimetres): 10.2

Depth of the Hole (Metres): 9.14

Wall Thickness (Metres): .006

Inside Diameter of the Casing (Metres): .051

Depth of the Casing (Metres): 1.52

Well Contractor and Well Technician Information

Business Name of Well Contractor: MTG DRILLING | Well Contractor's Licence No: 6571

Business Address (Street No./Name, number, RR): COMP 6007 | Municipality: PICTON

Province: ON | Postal Code: K0K 2T0 | Business E-mail Address: info@mtgdrilling.com

Bus. Telephone No. (inc. area code): 6133932165 | Name of Well Technician (Last Name, First Name): RANKIN, Kevin

Well Technician's Licence No.: 5426 | Signature of Technician: | Date Submitted (yyyy/mm/dd): 2008/03/07

Ministry Use Only

Audit No.: z 61758 | Well Contractor No.

Date Received (yyyy/mm/dd): MAR 18 2008 | Date of Inspection (yyyy/mm/dd)

Remarks:

(09/06) (11/2006)

Ministry's Copy

Ontario Ministry of the Environment

Well Tag No. *(Place Sticker and/or Print Below)* **A 057844**

A057844

Well Record

Regulation 903 Ontario Water Resources Act

Page ____ of ____

Well Owner's Information

First Name: | Last Name: | E-mail Address: | ☐ Well Constructed by Well Owner

GANANOQUE RESORTS LTD

Mailing Address (Street Number/Name, RR): 185 MILL ST | Municipality: GANANOQUE | Province: ON | Postal Code: K7G2L2 | Telephone No. (inc. area code)

Part A Construction and/or Major Alteration of a Well

Address of Well Location (Street Number/Name, RR): 185 MILL ST - LOT 1020; PT. LOTS 1017, 1018, 1019, 1021 - PT. OF THE CANAL RESERVE - RP 88 WEST | Township | Lot | Concession

County/District/Municipality: CTY. LEEDS | City/Town/Village: GANANOQUE | Province: Ontario | Postal Code: K7G2L2

UTM Coordinates: NAD 8 3 | Zone | Easting: 18407405 | Northing: 4908743 | GPS Unit Make: MAGELLAN | Model: SPORTRAK | Mode of Operation: ☐ Differentiated, specify ☐ Undifferentiated ☒ Averaged

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

General Colour	Most Common Material	Other Materials	General Description	Depth (Metres) From	Depth (Metres) To
BROWN	GRAVEL	SAND		0	1.52
GREY	LIMESTONE			1.52	7.62

Annular Space/Abandonment Sealing Record

Depth Set at (Metres) From	To	Type of Sealant Used (Material and Type)	Volume Placed (Cubic Metres)
7.62	1.52	SILICA SAND	.037
1.52	0	BENSEAL	.009

Method of Construction

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

Water Use

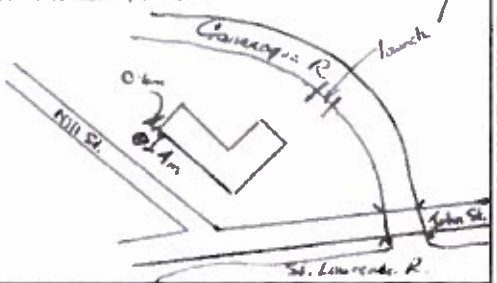
☐ Public ☐ Commercial ☐ Not used
☐ Domestic ☐ Municipal ☐ Dewatering
☐ Livestock ☒ Test Hole ☒ Monitoring
☐ Irrigation ☐ Cooling & Air Conditioning
☐ Industrial
☐ Other, specify _____

Status of Well

☐ Water Supply ☐ Dewatering Well ☒ Observation and/or Monitoring Hole
☐ Replacement Well ☐ Abandoned, Insufficient Supply ☐ Alteration (Construction)
☒ Test Hole ☐ Abandoned, Poor Water Quality ☐ Other, specify
☐ Recharge Well ☐ Abandoned, other, specify

Location of Well

Please provide a map below showing
- all property boundaries, and measurements sufficient to locate the well in relation to fixed points,
- an arrow indicating the North direction
- detailed drawings can be provided as attachments no larger than legal size (8.5" by 14")
- digital pictures of inside of well can also be provided



Date Well Completed (yyyy/mm/dd): 2007/09/06 | Was the well owner's information package delivered? Yes ☐ No ☐ | Date the Well Record and Package Delivered to Well Owner (yyyy/mm/dd)

Well Contractor and Well Technician Information

Business Name of Well Contractor: MPE DRILLING | Well Contractor's Licence No: 6571

Business Address (Street No./Name, number, RR): COMP 6007 | Municipality: PICTON

Province: ON | Postal Code: K0K2T0 | Business E-mail Address: info@mpidrilling.com

Bus. Telephone No. (inc. area code): 6133932165 | Name of Well Technician (Last Name, First Name): RANKIN, Kevin

Well Technician's Licence No: 3426 | Signature of Technician | Date Submitted (yyyy/mm/dd): 2007/10/17

Results of Well Yield Testing

Check box if after test of well yield, water was:
☐ Clear and sand free
☐ Cannot develop to sand free state

If pumping discontinued, give reason:

Pumping test method:

Pump intake set at (Metres):

Pumping rate (Litres/min):

Duration of pumping: hrs + min

Final water level end of pumping (Metres):

Recommended pump type: ☐ Shallow ☐ Deep

Recommended pump depth: Metres

Recommended pump rate (Litres/min):

If flowing give rate (Litres/min):

	Draw Down Time (Min)	Draw Down Water Level (Metres)	Recovery Time (Min)	Recovery Water Level (Metres)
Static Level			Static Level	
1			1	
2			2	
3			3	
4			4	
5			5	
10			10	
15			15	
20			20	
25			25	
30			30	
40			40	
50			50	
60			60	

Water Details

Water found at Depth: 20 Metres ☐ Gas | Kind of Water: ☐ Fresh ☐ Salty ☐ Sulphur ☐ Minerals
Water found at Depth: Metres ☐ Gas | Kind of Water: ☐ Fresh ☐ Salty ☐ Sulphur ☐ Minerals
Water found at Depth: Metres ☐ Gas | Kind of Water: ☐ Fresh ☐ Salty ☐ Sulphur ☐ Minerals

Casing Used

☐ Galvanized ☐ Steel ☐ Fibreglass ☒ Plastic ☐ Concrete

Screen Used

☐ Galvanized ☐ Steel ☐ Fibreglass ☒ Plastic ☐ Concrete

No Casing and Screen Used

☐ Open Hole

Disinfected? ☐ Yes ☐ No

Casing and Well Details

Diameter of the Hole (Centimetres): 10.2
Depth of the Hole (Metres): 7.62
Wall Thickness (Metres): .006
Inside Diameter of the Casing (Metres): .051
Depth of the Casing (Metres): 1.52

Ministry Use Only

Audit No.: z61789 | Well Contractor No.
Date Received (yyyy/mm/dd): NOV 18 2008 | Date of Inspection (yyyy/mm/dd)
Remarks:

0506E (11/2006)

Ministry's Copy

Ontario Ministry of the Environment

Well Tag No. (Place Sticker and/or Print Below)
A057845 **A 057845**

Well Record
Regulation 903 Ontario Water Resources Act

Page ____ of ____

Well Owner's Information
First Name: GANANOQUE RESORTS LTD | Last Name | E-mail Address | ☐ Well Constructed by Well Owner
Mailing Address (Street Number/Name, RR): 185 MILL ST - Lot 1020 | Municipality: GANANOQUE | Province: ON | Postal Code: K7G2L2 | Telephone No (inc. area code)

Part A Construction and/or Major Alteration of a Well
Address of Well Location (Street Number/Name, RR): 185 MILL ST - Lot 1020, Pt. Lots 1017, 1018, 1019, 1021 - Pt. of the CANAL RESERVE - RP 88 - WEST | Township | Lot | Concession
County/District/Municipality: CTY. LEEDS | City/Town/Village: GANANOQUE | Province: Ontario | Postal Code: K7G2L2
UTM Coordinates: Zone | Easting | Northing | GPS Unit Make | Model | Mode of Operation ☐ Differentiated specify ☐ Undifferentiated ☒ Averaged
NAD 8 3 | 18 407421 | 4908756 | MAGELLAN | SPORTRAK

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

General Colour	Most Common Material	Other Materials	General Description	Depth (Metres) From	To
BROWN	GRAVEL	SAND		0	0.61
GREY	LIMESTONE			0.61	4.57

Annular Space/Abandonment Sealing Record

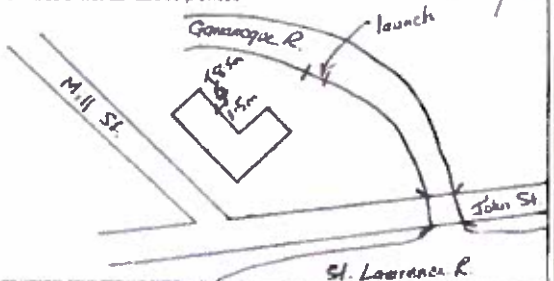
Depth Set at (Metres) From	To	Type of Sealant Used (Material and Type)	Volume Placed (Cubic Metres)
4.57	1.52	SILICA SAND	.018
1.52	0	BENSEAL	.009

Method of Construction
☐ Cable Tool ☐ Diamond ☐ Rotary (Conventional) ☐ Jetting ☐ Rotary (Reverse) ☐ Driving ☐ Rotary (Air) ☐ Digging ☒ Air percussion ☐ Boring ☐ Other, specify

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

Status of Well
☐ Water Supply ☐ Dewatering Well ☒ Observation and/or Monitoring Hole ☐ Replacement Well ☐ Abandoned, Insufficient Supply ☐ Alteration (Construction) ☒ Test Hole ☐ Abandoned, Poor Water Quality ☐ Other, specify ☐ Recharge Well ☐ Abandoned, other, specify

Location of Well
Please provide a map below showing:
- all property boundaries, and measurements sufficient to locate the well in relation to fixed points
- an arrow indicating the North direction
- detailed drawings can be provided as attachments no larger than legal size (8.5" by 14")
- helpful pictures of inside of well can also be provided



Date Well Completed (yyyy/mm/dd): 2007/09/06 | Was the well owner's information package delivered? ☐ Yes ☐ No | Date the Well Record and Package Delivered to Well Owner (yyyy/mm/dd)

Well Contractor and Well Technician Information
Business Name of Well Contractor: MPI DRILLING | Well Contractor's Licence No: 6571
Business Address (Street No./Name, number, RR): COMP 6007 | Municipality: PICTON
Province: ON | Postal Code: K0K2T0 | Business E-mail Address: info@mpidrilling.com
Bus. Telephone No. (inc. area code): 6133932165 | Name of Well Technician (Last Name, First Name): RUNKIN, Kevin
Well Technician's Licence No.: 3426 | Signature of Technician: | Date Submitted (yyyy/mm/dd): 08/07/04

Ministry's Copy

Results of Well Yield Testing
Check box if after test of well yield, water was: ☐ Clear and sand free ☐ Cannot develop to sand-free state
If pumping discontinued, give reason:
Pumping test method
Pump intake set at (Metres)
Pumping rate (Litres/min)
Duration of pumping: hrs + min
Final water level end of pumping (Metres)
Recommended pump type: ☐ Shallow ☐ Deep
Recommended pump depth: Metres
Recommended pump rate (Litres/min)
If flowing give rate (Litres/min)

	Draw Down Time (Min)	Draw Down Water Level (Metres)	Recovery Time (Min)	Recovery Water Level (Metres)
Static Level			Static Level	
1			1	
2			2	
3			3	
4			4	
5			5	
10			10	
15			15	
20			20	
25			25	
30			30	
40			40	
50			50	
60			60	

Water Details
Water found at Depth: 2.0 Metres ☐ Gas | Kind of Water: ☐ Fresh ☐ Salty ☐ Sulphur ☐ Minerals
Water found at Depth: Metres ☐ Gas | Kind of Water: ☐ Fresh ☐ Salty ☐ Sulphur ☐ Minerals
Water found at Depth: Metres ☐ Gas | Kind of Water: ☐ Fresh ☐ Salty ☐ Sulphur ☐ Minerals

Casing Used
☐ Galvanized ☐ Steel ☐ Fibreglass ☒ Plastic ☐ Concrete

Screen Used
☐ Galvanized ☐ Steel ☐ Fibreglass ☒ Plastic ☐ Concrete

No Casing and Screen Used
☐ Open Hole
Disinfected? ☐ Yes ☐ No

Casing and Well Details
Diameter of the Hole (Centimetres): 10.2
Depth of the Hole (Metres): 4.57
Wall Thickness (Metres): .006
Inside Diameter of the Casing (Metres): .051
Depth of the Casing (Metres): 3.05

Ministry Use Only
Audit No: z 61790 | Well Contractor No.
Date Received (yyyy/mm/dd): MAR 16 2005 | Date of Inspection (yyyy/mm/dd)
Remarks

Ontario Ministry of the Environment

Well Tag No. (Place Sticker and/or Print Below) A057847 **A 057847**

Well Record

Regulation 903 Ontario Water Resources Act

Page ____ of ____

Well Owner's Information

First Name: | Last Name: | E-mail Address: | ☐ Well Constructed by Well Owner

GANANOQUE RESORTS LTD.

Mailing Address (Street Number/Name, RR): 185 MILL ST | Municipality: GANANOQUE | Province: ON | Postal Code: K7G2L2 | Telephone No. (inc. area code)

Part A Construction and/or Major Alteration of a Well

Address of Well Location (Street Number/Name, RR): 185 MILL ST.—Lot 1020, Pt. Lots 1017, 1018, 1019, 1021 – Pt. of the CANAL RESERVE | Township: RP 88 WEST | Lot | Concession

County/District/Municipality: CITY LEEDS | City/Town/Village: GANANOQUE | Province: Ontario | Postal Code: K7G2L2

UTM Coordinates: Zone | Easting | Northing | GPS Unit Make | Model | Mode of Operation: ☐ Undifferentiated ☐ Differentiated, specify ☑ Averaged

NAD 83 18 407441 4908761 | MAGELLAN | SPORTRAK

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

General Colour	Most Common Material	Other Materials	General Description	Depth (Metres) From	To
BROWN	GRAVEL	SAND		0	0.61
GREY	LIMESTONE			0.61	6.1

Annular Space/Abandonment Sealing Record

Depth Set at (Metres) From	To	Type of Sealant Used (Material and Type)	Volume Placed (Cubic Metres)
6.1	1.52	SILICA SAND	.027
1.52	0	BENSEAL	.009

Results of Well Yield Testing

Check box if after test of well yield, water was: ☐ Clear and sand free ☐ Cannot develop to sand-free state

If pumping discontinued, give reason:

Pumping test method

Pump intake set at (Metres)

Pumping rate (Litres/min)

Duration of pumping: hrs + min

Final water level end of pumping (Metres)

Recommended pump type: ☐ Shallow ☐ Deep

Recommended pump depth: Metres

Recommended pump rate (Litres/min)

If flowing give rate (Litres/min)

	Draw Down Time (Min)	Draw Down Water Level (Metres)	Recovery Time (Min)	Recovery Water Level (Metres)
Static Level			Static Level	
1			1	
2			2	
3			3	
4			4	
5			5	
10			10	
15			15	
20			20	
25			25	
30			30	
40			40	
50			50	
60			60	

Method of Construction

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

Water Use

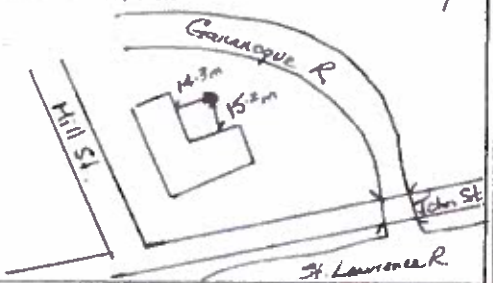
☐ Public ☐ Commercial ☐ Not used ☐ Domestic ☐ Municipal ☐ Dewatering ☐ Livestock ☑ Test Hole ☑ Monitoring ☐ Irrigation ☐ Cooling & Air Conditioning ☐ Industrial ☐ Other, specify

Status of Well

☐ Water Supply ☐ Dewatering Well ☑ Observation and/or Monitoring Hole ☐ Replacement Well ☐ Abandoned, Insufficient Supply ☐ Alteration (Construction) ☑ Test Hole ☐ Abandoned, Poor Water Quality ☐ Other, specify ☐ Recharge Well ☐ Abandoned, other, specify

Location of Well

Please provide a map below showing:
- all property boundaries, and measurements sufficient to locate the well in relation to fixed points,
- an arrow indicating the North direction
- detailed drawings can be provided as attachments no larger than legal size (8.5" by 14")
- vidoptal pictures of inside of well can also be provided



Date Well Completed (yyyy/mm/dd): 2007/09/06

Was the well owner's information package delivered? Yes ☐ No ☐

Date the Well Record and Package Delivered to Well Owner (yyyy/mm/dd)

Well Contractor and Well Technician Information

Business Name of Well Contractor: MPI DRILLING | Well Contractor's Licence No: 6571

Business Address (Street No./Name, number, RR): COMP 6004 | Municipality: PICTON

Province: ON | Postal Code: K0K2T0 | Business E-mail Address: info@mpidrilling.com

Bus. Telephone No. (inc. area code): 6133932165 | Name of Well Technician (Last Name, First Name): RANKIN, Kevin

Well Technician's Licence No: 3426 | Signature of Technician: | Date Submitted (yyyy/mm/dd): 08/03/04

Water Details

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

Casing Used

☐ Galvanized ☐ Steel ☐ Fibreglass ☒ Plastic ☐ Concrete

Screen Used

☐ Galvanized ☐ Steel ☐ Fibreglass ☒ Plastic ☐ Concrete

No Casing and Screen Used

☐ Open Hole

Disinfected? ☐ Yes ☐ No

Casing and Well Details

Diameter of the Hole (Centimetres): 10.2

Depth of the Hole (Metres): 6.1

Wall Thickness (Metres): .006

Inside Diameter of the Casing (Metres): .051

Depth of the Casing (Metres): 1.52

Ministry Use Only

Audit No.: z 61792 | Well Contractor No.

Date Received (yyyy/mm/dd): MAR 16 2008 | Date of Inspection (yyyy/mm/dd)

Remarks

Ministry's Copy

Ontario — Ministry of the Environment

Well Tag No. (Place Sticker and/or Print Below)
Tag#: A132895

Well Record
Regulation 903 Ontario Water Resources Act

Page ____ of ____

Measurements recorded in: [ ] Metric [X] Imperial

Well Owner's Information
First Name | Last Name / Organization | E-mail Address | [ ] Well Construction by Well Owner

(RK) 45 King Street West Limited (RK)

Mailing Address (Street Number/Name) | Municipality | Province | Postal Code | Telephone No. (inc. area code)

61 Shuter St Toronto ONT

Well Location
Address of Well Location (Street Number/Name) | Township | Lot | Concession

King ST

County/District/Municipality | City/Town/Village | Province | Postal Code

Toronto Ontario

UTM Coordinates | Zone | Easting | Northing | Municipal Plan and Sublot Number | Other

NAD [X] 17 | 630776 | 4830852 | Plan A

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

General Colour	Most Common Material	Other Materials	General Description	Depth (mBGL) From	To
Brown	CLAY			0	5
White	Sandstone			5	35
Grey	Granite			35	67
Reddish	Granite			67	100

Annular Space
Depth Set at (mBGL) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m³)
20	0	Cement	5

Method of Construction
[ ] Cable Tool [ ] Diamond [ ] Rotary (Conventional) [ ] Jetting [ ] Rotary (Reverse) [ ] Driving [ ] Boring [ ] Digging [ ] Air percussion [ ] Other, specify

Well Use
[ ] Public [ ] Commercial [ ] Not used [ ] Domestic [ ] Municipal [ ] Dewatering [ ] Livestock [ ] Test Hole [ ] Monitoring [ ] Irrigation [X] Cooling & Air Conditioning [ ] Industrial [ ] Other, specify

Construction Record - Casing
Inside Diameter (inch)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (inch)	Depth (mBGL) From	To
6"	Steel	1/2	0	20
6"	Open Hole		20	100

Construction Record - Screen
Outside Diameter (inch)	Material (Plastic, Galvanized, Steel)	Slot No	Depth (mBGL) From	To

Status of Well
[X] Water Supply [ ] Replacement Well [ ] Test Hole [ ] Recharge Well [ ] Dewatering Well [ ] Observation and/or Monitoring Hole [ ] Alteration (Construction) [ ] Abandoned, Insufficient Supply [ ] Abandoned, Poor Water Quality [ ] Abandoned, other, specify [ ] Other, specify

Water Details
Water found at Depth (mBGL)	Kind of Water	Hole Diameter Depth (mBGL) From	To	Diameter (inch)
67	[ ] Fresh [ ] Untested [ ] Gas [ ] Other, specify	0	20	10"
95	[ ] Fresh [ ] Untested [ ] Gas [ ] Other, specify	20	100	6"
	[ ] Fresh [ ] Untested [ ] Gas [ ] Other, specify			

Well Contractor and Well Technician Information
Business Name of Well Contractor | Well Contractor's Licence No

Business Address (Street Number/Name) | Municipality

Province | Postal Code | Business E-mail Address

Bus. Telephone No. (inc. Area Code) | Name of Well Technician (Last Name, First Name)

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

Results of Well Yield Testing
After test of well yield, water was: [X] Clear and sand free [ ] Other, specify

If pumping discontinued, give reason:

Pump intake set at (mBGL) 95'

Pumping rate (l/min / GPM) 25 G.P.M.

Duration of pumping: 1 hrs + 0 mins

Final water level end of pumping (mBGL) 31.5

If flowing give rate (l/min / GPM)

Recommended pump depth (mBGL) 97'

Recommended pump rate (l/min / GPM) 25 G.P.M.

Well production (l/min / GPM) 25 G.P.M.

Disinfected? [X] Yes [ ] No

Draw Down Time (min)	Draw Down Water Level (mBGL)	Recovery Time (min)	Recovery Water Level (mBGL)
Static Level	24.3		
1	24.4	1	29
2	26.2	2	24.1
3	26.8	3	27.3
4	27.4	4	26.4
5	27.7	5	25.6
10	27.9	10	21.9
15	28.5	15	20.7
20	29	20	20.4
25	29.5	25	20.4
30	29.9	30	20.3
40	30.7	40	"
50	31.3	50	"
60	31.5	60	"

Map of Well Location
Please provide a map below following instructions on the back.

Comments

Well owner's information package delivered: [ ] Yes [ ] No

Date Package Delivered: 30 JAN 2013

Date Work Completed: 29/01/2013

Ministry Use Only
Audit No: Z 161148
JAN 30 2013

Contractor's Copy

Ontario — Ministry of the Environment

Measurements recorded in: ☐ Metric ☑ Imperial

Well Tr… (Please Staple and/or Print Below)

Tag#: A132895

Well Record

Regulation 903 Ontario Water Resources Act

Page ____ of ____

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	☐ Well Constructed by Well Owner
CANANOQUE	LAND COMPANY		

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. (inc. area code)
61 SHIPMAN'S LANE	LANSDOWNE	ONT	K0E 1L0	6135616355

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
KING ST	FRONTENAC LEEDS & LANSDOWNE	1-4	TOWN OF CANANOQUE

County/District/Municipality	City/Town/Village	Province	Postal Code
LEEDS & GRENVILLE	CANANOQUE	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	407136	4908752	BLOCK B	

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
BROWN	CLAY			0	5
WHITE	SANDSTONE			5	35
GREY	GRANITE			35	67
SALTWATER	GRANITE			67	100

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
20	0	CEMENT	8

Method of Construction

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

Well Use

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

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
6¼"	STEEL	188	+2	20
6"	OPEN HOLE		20	100

Status of Well

☑ Water Supply ☐ Replacement Well ☐ Test Hole ☐ Recharge Well ☐ Dewatering Well ☐ Observation and/or Monitoring Hole ☐ Alteration (Construction) ☐ Abandoned, Insufficient Supply ☐ Abandoned, Poor Water Quality ☐ Abandoned, other, specify ☐ Other, specify

Construction Record - Screen

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

Water Details

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

Hole Diameter

Depth (m/ft) From	Depth (m/ft) To	Diameter (cm/in)
0	20	10"
20	100	6"

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No
JACK KNOX WELL DRILLING	3202

Business Address (Street Number/Name)	Municipality	Province	Postal Code	Business E-mail Address
2580 PERTH R.D	GLENBURNIE	ONT	K0H 1S0	

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)
6135466864	KNOX JOHN

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
2879		

Results of Well Yield Testing

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

If pumping discontinued, give reason:

Pump intake set at (m/ft): 98'

Pumping rate (l/min / GPM): 25 G.P.M.

Duration of pumping: 1 hrs + 0 min

Final water level end of pumping (m/ft): 31.5

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

Recommended pump depth (m/ft): 97'

Recommended pump rate (l/min / GPM): 20 G.P.M.

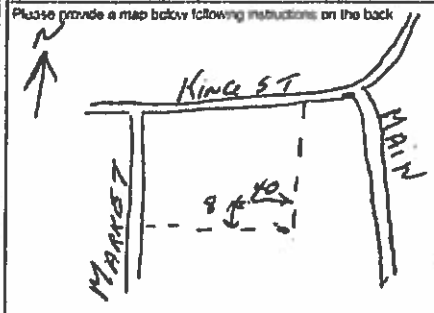
Well production (l/min / GPM): 20+ G.P.M.

Disinfected? ☑ Yes ☐ No

Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level	20.3		
1	24.9	1	29
2	26.2	2	28.1
3	26.8	3	27.2
4	27.4	4	26.4
5	27.7	5	25.6
10	27.9	10	21.9
15	28.5	15	20.7
20	29	20	20.4
25	29.5	25	20.4
30	29.9	30	20.3
40	30.7	40	"
50	31.3	50	"
60	31.5	60	"

Map of Well Location

Please provide a map below following instructions on the back



Comments

Well owner's information package delivered: ☐ Yes ☐ No

Date Package Delivered: 2012/12/6

Date Work Completed: 2012/12/6

Ministry Use Only

Audit No. Z161148

DEC 10 2012

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Ontario — Ministry of the Environment

Measurements recorded in: ☐ Metric ☐ Imperial

Well Tag No. (Place Sticker and/or Print Below)
Tag#: A132882

Well Record

Regulation 903 Ontario Water Resources Act

Page ___ of ___

Well Owner's Information

First Name: 46 King Street West Limited (RK) | Last Name/Company | Email Address | ☐ Well Constructed by Well Owner

Mailing Address (Street Number/Name) | Municipality | Province | Postal Code | Telephone No. (incl. area code)

Well Location

Address of Well Location (Street Number/Name) | Township | Concession

County/District/Municipality | City/Town/Village | Province: Ontario | Postal Code

UTM Coordinates: Zone | Easting | Northing | NAD 8 3 / 2 7

Municipal Plan and Sublot Number

Other

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

General Colour	Most Common Material	Other Materials	General Description	Depth (mbg) From	To

Annular Space

Depth Set at (mbg) From	To	Type of Sealant Used (Neat cement grout or Bentonite)	Volume Placed (m³)

Method of Construction

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

Well Use

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

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fiberglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (mbg) From	To

Construction Record - Screen

Outside Diameter (cm/in)	Material (Stainless, Galvanized, Steel)	Slot No.	Depth (mbg) From	To

Status of Well

☐ Water Supply ☐ Replacement Well ☐ Test Hole ☑ Recharge Well ☐ Dewatering Well ☐ Observation and/or Monitoring Hole ☐ Alteration (Construction) ☐ Abandoned, Insufficient Supply ☐ Abandoned, Poor Water Quality ☐ Abandoned, other, specify ☐ Other, specify

Water Details

Water found at Depth (mbg)	Kind of Water: Fresh / Untested	Other, specify
	Gas	
Water found at Depth (mbg)	Kind of Water: Fresh / Untested	Other, specify
	Gas	
Water found at Depth (mbg)	Kind of Water: Fresh / Untested	Other, specify
	Gas	

Hole Diameter

Depth (mbg) From	To	Diameter (cm/in)

Well Contractor and Well Technician Information

Business Name of Well Contractor | Well Contractor's Licence No.

Business Address (Street Number/Name) | Municipality

Province | Postal Code | Business E-mail Address

Well Technician's Licence No. | Name of Well Technician (Last Name, First Name)

Signature of Technician and/or Contractor | Date Submitted

Results of Well Yield Testing

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

Pumping rate was measured by this method: Static / Level

	Drawdown Time (min)	Drawdown Water Level (mbg)	Recovery Time (min)	Recovery Water Level (mbg)
	1		1	
Pump intake set at (mbg)	2		2	
Pumping rate (gpm / l/min)	3		3	
Duration of pumping: hrs + min	4		4	
Final water level end of pumping (mbg)	5		5	
If pumping rate was not measured, indicate capacity:	10		10	
	15		15	
Recommended pump depth (mbg)	20		20	
	25		25	
Recommended pump rate (gpm / l/min)	30		30	
Well production (gpm / l/min)	40		40	
	50		50	
Disinfected: ☐ Yes ☐ No	60		60	

Map of Well Location

Please provide a map below following instructions on the back.

Comments

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

Ministry Use Only

Audit No. Z 1 3 1 1 4 9

JAN 3 0 2013

Contractor's Copy

Ontario Ministry of the Environment

Measurements recorded in: ☐ Metric ☑ Imperial

Well Tag No. (Place Sticker and/or Print Below): Tag#: A132882

Well Record

Regulation 903 Ontario Water Resources Act

Page ___ of ___

Well Owner's Information

First Name | Last Name / Organization | Email Address | ☐ Well Constructed by Well Owner

GANANOQUE LAND COMPANY

Mailing Address (Street Number/Name) | Municipality | Province | Postal Code | Telephone No. (inc. area code)

61 SHIPMAN'S LANE | LANSDOWNE | ONT | K0E1L0 | 6135616250

Well Location

Address of Well Location (Street Number/Name) | Township | Concession

KING ST | HOUSE LOCATED ON LOT 1-4 LEEDS & 1000 ISLANDS | TWP OF GANANOQUE

County/District/Municipality | City/Town/Village | Province | Postal Code

LEEDS | GANANOQUE | Ontario

UTM Coordinates Zone | Easting | Northing | Municipal Plan and Sublot No. | Other

NAD 8 3 / 18 407154 4908735 | Block B

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

General Colour	Most Common Material	Other Materials	General Description	Depth (feet) From	To
BROWN	CLAY			0	6
WHITE	SANDSTONE			6	25
GREY	GRANITE			25	49
GREY/RED	GRANITE			49	100

Annular Space

Depth Set at (feet) From	To	Type of Sealant Used (Neat cement or Bentonite)	Volume Placed (cubic feet)
20	0	CEMENT	5

Method of Construction

☐ Cable Tool ☐ Diamond ☐ Public ☐ Commercial ☐ Municipal

☐ Rotary (Conventional) ☐ Jetting ☐ Domestic ☐ Industrial ☐ Dewatering

☐ Rotary (Reverse) ☐ Driving ☐ Irrigation ☐ Test Hole ☐ Monitoring

☐ Boring ☐ Digging ☐ Other, specify ☑ Recharge Well

☐ Air percussion

☐ Other, specify

Well Use

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (ft) From	To
6"	STEEL	.188	+2	20
6"	OPEN HOLE		20	100

Construction Record - Screen

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

Status of Well

☐ Water Supply

☐ Replacement Well

☐ Test Hole

☑ Recharge Well

☐ Dewatering Well

☐ Observation and/or Monitoring Hole

☐ Alteration (Construction)

☐ Abandoned, Insufficient Supply

☐ Abandoned, Poor Water Quality

☐ Abandoned, other (specify)

☐ Other (specify)

Water Details

Water found at Depth (ft)	Kind of Water	Hole Diameter Depth (ft) From	To	Diameter (in)
93 (ft)	☑ Fresh ☐ Salt ☐ Gas ☐ Other, specify	0	20	10"
(ft)	☐ Fresh ☐ Salt ☐ Gas ☐ Other, specify	20	100	6"
(ft)	☐ Fresh ☐ Salt ☐ Gas ☐ Other, specify			

Results of Well Yield Testing

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

If pumping discontinued, give reason:

Pump intake set at (ft): MAX PUMP TEST

Pumping rate (gpm / L/min): RETURN

Duration of pumping: hrs + min: WELL

Final water level end of pumping (ft)

If flowing give rate (litres / GPM):

Recommended pump depth (ft)

Recommended pump rate (litres / GPM)

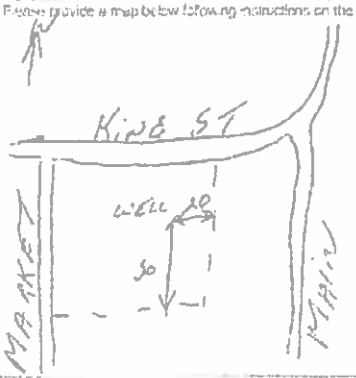
Well production (litres / GPM)

Disinfected? ☑ Yes ☐ No

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

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor | Well Contractor's Licence No.

JACK KNOX WELLDRILLING | 3201

Business Address (Street Number/Name) | Municipality

2580 PERTH RD | GLENBURNIE

Province | Postal Code | Business Email Address

ONT | K0H1S0

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

6135466164 | Knox, John

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

2879 | Ken Knox

Well owner's information package delivered: Date Package Delivered

Date Work Completed: 2012/12/6

Ministry Use Only

Audit No.: Z161149

DEC 10 2012

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Ontario — Ministry of the Environment

Well Tr... No. (Ohm Sticker and/or Print Below)
Tag#: A132895

Well Record
Regulation 903 Ontario Water Resources Act

Measurements recorded in: ☐ Metric ☑ Imperial

Page ____ of ____

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	☐ Well Constructed by Well Owner
	GANANOQUE LAND COMPANY		

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. (inc. area code)
GI SHIPMAN'S LANE	LANSDOWNE	ONT	K0E 1L0	6135616955

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
KING ST	FRONTENAC LEEDS & LANSDOWNE / LEEDS & THE ISLANDS	1-4	TOWN OF GANANOQUE

County/District/Municipality	City/Town/Village	Province	Postal Code
LEEDS & GRENVILLE	GANANOQUE	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Subdivision Number	Other
NAD 8 3	18	467136	4908752	BLOCK B	

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	To
BROWN	CLAY			0	5
WHITE	SANDSTONE			5	35
GREY	GRANITE			35	67
RED/GREY	GRANITE			67	100

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
20	0	CEMENT	8

Method of Construction

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

Well Use

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

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	To
6¼"	STEEL	188	+2	20
6"	OPEN HOLE		20	100

Construction Record - Screen

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

Status of Well

☑ Water Supply
☐ Replacement Well
☐ Test Hole
☐ Recharge Well
☐ Dewatering Well
☐ Observation and/or Monitoring Hole
☐ Alteration (Construction)
☐ Abandoned, Insufficient Supply
☐ Abandoned, Poor Water Quality
☐ Abandoned, other, specify
☐ Other, specify

Water Details

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

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)
0	20	10"
20	100	6"

Results of Well Yield Testing

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

If pumping discontinued, give reason:

Pump intake set at (m/ft): 98'

Pumping rate (l/min / GPM): 25 G.P.M.

Duration of pumping: 1 hrs + 0 min

Final water level end of pumping (m/ft): 31.5

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

Recommended pump depth (m/ft): 97'

Recommended pump rate (l/min / GPM): 20 G.P.M.

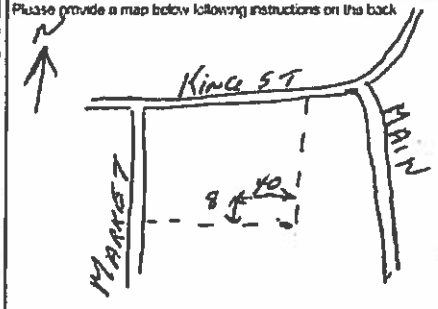
Well production (l/min / GPM): 20 G.P.M.

Disinfected? ☑ Yes ☐ No

Draw Down Time (min)	Water Level (m/ft)	Recovery Time (min)	Water Level (m/ft)
Static Level	20.3		
1	24.9	1	29
2	26.2	2	28.1
3	26.8	3	27.2
4	27.4	4	26.4
5	27.7	5	25.6
10	27.9	10	21.9
15	28.5	15	20.7
20	29	20	20.4
25	29.5	25	20.4
30	29.9	30	20.3
40	30.7	40	"
50	31.3	50	"
60	31.5	60	"

Map of Well Location

Please provide a map below following instructions on the back.



Comments

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
JACK KNOX WELL DRILLING	3202

Business Address (Street Number/Name)	Municipality
2580 PERTH R.D	GLENDYNE

Province	Postal Code	Business E-mail Address
ONT	K0H 1S0	

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)
6135466664	KNOX JOHN

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
2879	Jack Knox	

Well owner's information package delivered	Date Package Delivered	Ministry Use Only
☐ Yes ☐ No	2012/12/6	Audit No. Z161148
	Date Work Completed: 2012/12/6	DEC 10 2012

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

Tag#: A132882

Well Record

Regulation 903 Ontario Water Resources Act

Page ____ of ____

Measurements recorded in: ☐ Metric ☑ Imperial

Well Owner's Information

First Name / Last Name / Organization: 45 King Street West Limited (RK)

E-mail Address

☐ Well Constructed by Well Owner

Mailing Address (Street Number/Name): 61 Shipman's Lane

Municipality: Gananoque

Province: ONT

Postal Code: K7G 1L1

Telephone No. (inc. area code): 613 556 1435

Well Location

Address of Well Location (Street Number/Name): King ST

Township: Front of Leeds & Lansdowne

Lot

Concession

County/District/Municipality: Leeds Grenville

City/Town/Village: Gananoque

Province: Ontario

Postal Code

UTM Coordinates Zone Easting Northing: NAD 8 3 18 410715 4905735

Municipal Plan and Sublot Number: Block B

Other

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	To
Brown	Clay			0	6
White	Sandstone			6	25
Grey	Granite			25	49
Speckled	Granite			49	105

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
20	0	Cement	8

Results of Well Yield Testing

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

If pumping discontinued, give reason:

Pump intake set at (m/ft)

Pumping rate (l/min / GPM)

Duration of pumping ___ hrs + ___ min

Final water level end of pumping (m/ft)

If flowing give rate (l/min / GPM)

Recommended pump depth (m/ft)

Recommended pump rate (l/min / GPM)

Well production (l/min / GPM)

Disinfected? ☑ Yes ☐ No

No Pump Test

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

Method of Construction

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

Well Use

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

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	To
6 1/4	Steel	188	+2	20
6	Open Hole		20	105

Status of Well

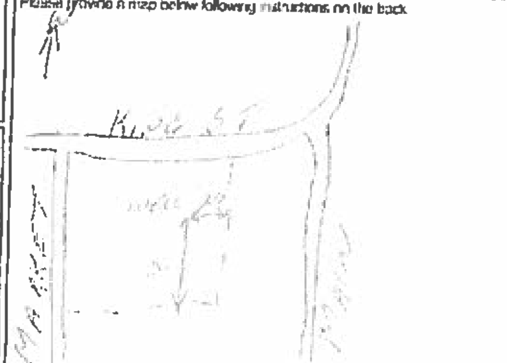
☐ Water Supply ☐ Replacement Well ☐ Test Hole ☑ Recharge Well ☐ Dewatering Well ☐ Observation and/or Monitoring Hole ☐ Alteration (Construction) ☐ Abandoned, Insufficient Supply ☐ Abandoned, Poor Water Quality ☐ Abandoned, other, specify ☐ Other, specify

Construction Record - Screen

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

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Water Details

Water found at Depth 73 (m/ft) Kind of Water: ☐ Fresh ☑ Untested ☐ Gas ☐ Other, specify

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

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

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)
0	20	10"
20	105	6"

Well Contractor and Well Technician Information

Business Name of Well Contractor: Jack Knox Drilling Ltd

Well Contractor's Licence No.: 7 2 1 0 2

Business Address (Street Number/Name): 360 Frank Rd

Municipality: Delta

Province: ONT

Postal Code: K0E 1G0

Business E-mail Address

Bus. Telephone No. (inc. area code): 6139284144

Name of Well Technician (Last Name, First Name): Knox, Jack

Well Technician's Licence No.: 1 8 9 1 9

Signature of Technician and/or Contractor

Date Submitted

Well owner's information package delivered: ☐ Yes ☐ No

Date Package Delivered

Date Work Completed: 2012 12 26

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Audit No. Z 163149

JAN 30 2013

Contractor's Copy

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Well Tag No. (Place Sticker and/or Print Below): Tag#: A132882

Well Record

Regulation 903 Ontario Water Resources Act

Page ____ of ____

Measurements recorded in: ☐ Metric ☑ Imperial

Well Owner's Information

First Name: | Last Name / Organization: GANANOQUE LAND COMPANY | E-mail Address: | ☐ Well Constructed by Well Owner

Mailing Address (Street Number/Name): 61 SHIPMAN'S LANE | Municipality: LANSDOWNE | Province: ONT | Postal Code: K0E1L0 | Telephone No. (inc. area code): 6135616257

Well Location

Address of Well Location (Street Number/Name): KING ST | Township: FRONTENAC/LANSDOWNE/LEEDS&1000ISLANDS | Lot: 1-4 | Concession: TOWN OF GANANOQUE

County/District/Municipality: LEEDS+GRENVILLE | City/Town/Village: GANANOQUE | Province: Ontario | Postal Code:

UTM Coordinates: Zone | Easting | Northing: NAD 83 / 18 / 407154 / 4905735 | Municipal Plan and Sublot Number: BLOCK R | Other:

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

General Colour	Most Common Material	Other Materials	General Description	Depth (mft) From	Depth (mft) To
BROWN	CLAY			0	6
WHITE	SANDSTONE			6	25
GREY	GRANITE			25	49
MIXED	GRANITE			49	100

Annular Space

Depth Set at (mft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
20	0	CEMENT	5

Method of Construction

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

Well Use

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

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (mft) From	Depth (mft) To
6¼"	STEEL	.188	+2	20
6"	OPEN HOLE		20	100

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No	Depth (mft) From	Depth (mft) To

Status of Well

☐ Water Supply ☐ Replacement Well ☐ Test Hole ☑ Recharge Well ☐ Dewatering Well ☐ Observation and/or Monitoring Hole ☐ Alteration (Construction) ☐ Abandoned, Insufficient Supply ☐ Abandoned, Poor Water Quality ☐ Abandoned, other, specify ☐ Other, specify

Water Details

Water found at Depth (mft)	Kind of Water	Other, specify
93	☐ Fresh ☑ Untested	☐ Gas ☐ Other, specify
(mft)	☐ Fresh ☐ Untested	☐ Gas ☐ Other, specify
(mft)	☐ Fresh ☐ Untested	☐ Gas ☐ Other, specify

Hole Diameter

Depth (mft) From	Depth (mft) To	Diameter (cm/in)
0	20	10"
20	100	6"

Well Contractor and Well Technician Information

Business Name of Well Contractor: JACK KNOX WELL DRILLING | Well Contractor's Licence No: 3202

Business Address (Street Number/Name): 2580 PERTH R.D | Municipality: GLENBURNIE

Province: ONT | Postal Code: K0H1S0 | Business E-mail Address:

Bus. Telephone No. (inc. area code): 6135466164 | Name of Well Technician (Last Name, First Name): Knox John

Well Technician's Licence No. | Signature of Technician and/or Contractor | Date Submitted: 28 | 9 | Ken Knox

Results of Well Yield Testing

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

If pumping discontinued, give reason: NO PUMP TEST

Pump make set at (mft): NO PUMP

Pumping rate (l/min / GPM): RETURN

Duration of pumping: hrs + min: WELL

Final water level end of pumping (mft)

If flowing give rate (l/min / GPM)

Recommended pump depth (mft)

Recommended pump rate (l/min / GPM)

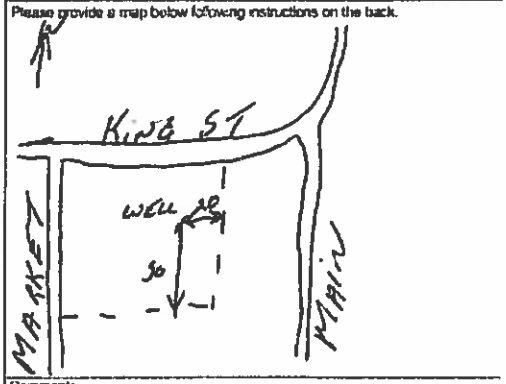
Well production (l/min / GPM)

Disinfected? ☑ Yes ☐ No

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

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well owner's information package delivered: ☐ Yes ☐ No

Date Package Delivered:

Date Work Completed: 20/12/126

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DEC 10 2012

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APPENDIX 3

QUALIFICATIONS OF ASSESSORS

Profile

Mr. Luke Lopers is an Environmental Engineer with Paterson Group Inc. in Ottawa, Ontario. Mr. Lopers has worked in the field of environmental consulting since 2006, and has been involved in Phase I Environmental Site Assessments (ESAs) in Ontario, Quebec and British Columbia since that time. These investigations have been completed to the Canadian Standards Association ("CSA") standard Z768-01 for Phase I Environmental Site Assessment. Mr. Lopers has extensive experience in the identification of potential on- and off-Site sources of contamination including service stations, dry cleaners, industrial processes, and underground storage tanks ("USTs"). Mr. Lopers' experience, as it pertains to Phase I ESAs consists of historical review and interpretation, coordination, site reconnaissance and report writing. Mr. Lopers has conducted Phase I ESAs on a variety of properties including: municipal, agricultural, residential, commercial, institutional and industrial land uses. The written Phase I ESA reports have allowed clients to make property transactions and decisions based on the conclusion of the likelihood of soil and/or groundwater contamination and the need for further investigation.

Additionally, Mr. Lopers has experience in conducting: Phase II Environmental Site Assessments, Environmental Remediation Programs, Underground Storage Tank Decommissioning Programs, Brownfields Applications, Environmental Monitoring, Designated Substance Surveys and Public Education and Awareness.

In 2011, the Ontario Ministry of the Environment (MOE) adopted new Phase I and Phase II ESA standards under O. Reg. 269/11, amending O. Reg. 153/04. Mr. Lopers has prepared Phase I and Phase II ESA reports to the new MOE standards as well as assisted with the submission of Records of Site Condition for properties under this regulation.

Education

University of Waterloo, B.A.Sc. Eng, 2008
Honours Environmental Engineering
Management Science Option

Qualifications

Registered Professional Engineer (Professional Engineers Ontario)
Qualified Person, Environmental Site Assessments (Ministry of the Environment)

Mark S. D'Arcy, P. Eng.

patersongroup

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

Environmental Engineering

Geotechnical Engineering

Materials Testing Quality Control

Building Science

Hydrogeology