Geotechnical Engineering

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**Hydrogeology** 

Geological Engineering

**Materials Testing** 

**Building Science** 

Archaeological Services

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**Phase I - Environmental Site Assessment** 

1499 Star Top Road Ottawa, Ontario

**Prepared For** 

4015274 Canada Inc.

#### **Paterson Group Inc.**

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

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Report: PE4482-1



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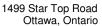
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#### **EXECUTIVE SUMMARY**

#### **Assessment**

Paterson Group was retained by 4015274 Canada Inc. to conduct a Phase I Environmental Site Assessment (ESA) of the northern portion of 1499 Star Top Road, in the City of Ottawa, 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 properties.

According to the historical research, the subject property was developed with the office portion of the existing commercial building in the late 1960s or early 1970s and was used as a catering business. The eastern part of the building was converted to garage bays when it was purchased by Mr. Gratien Proulx in 1985 and leased to J. Connelly equipment rentals. The storage areas to the rear of the garage area were added in the early 2000s. Based on the aerial photographs, it appears that there were aboveground fuel storage tanks immediately to the south of the subject building from at least 2002 to 2017, and underground tanks and fuel pump station in the eastern portion of the site from the 1990s to 2000s. The former presence of fuel storage tanks and automotive service garage on the property are considered to be Potentially Contaminating Activities and represent Areas of Potential Environmental Concern.

Properties in the Phase I study area have been used for light industrial and commercial purposes since their initial development in the 1970s and early 1980s. Multiple historical Potentially Contaminating Activities were identified in the Phase I study area. However, based on the nature of the activity, their location with respect to groundwater flow direction, and their distances from the subject site, the identified PCAs are not considered to represent Areas of Potential Environmental Concern on the subject property.

An inspection of the subject site and the surrounding properties was conducted on November 14, 2018. The subject site is currently occupied by a commercial building that until recently was occupied by J. Connelly Rental Ltd. The building was unoccupied at the time of the site visit. Although no aboveground storage tanks were observed on the building exterior, a concrete pad in the parking lot indicates their former location. An inspection of the interior of the building garage bays revealed a drainage pit in the centre of each bay, with an uncapped drainage pipe. The pipes contained some sediment, and appear to drain in the direction of the building exterior to the east; the pipe termini could not be determined at the time of the site visit. A trace of oil was observed in the bottom of



the pit in one of the bays. These garage bays and associated drainage systems are PCAs and an APEC on the subject property.

The surrounding land use consists of commercial and light industrial properties that are not considered to pose a concern to the subject site. The current uses of the subject property or adjacent lands are not considered to represent APECs on the Phase I Property.

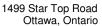
#### Recommendations

Based on the findings of the Phase I - ESA, it is our opinion that a Phase II - Environmental Site Assessment is required for the subject property.

Based on the approximate age of the subject building (at least 1976), potential ACMs may be present within the building. Suspected ACMs observed at the time of our site visit include drywall joint compound, stucco ceilings, and exterior wall finishes. It should be noted that wall and ceiling cavities were not inspected at the time of our site visit. A designated substance survey must be conducted prior to the disturbance of any potentially asbestos containing materials.

Lead-based paint may be present beneath more recent non-lead-based paint products on any remaining original surfaces within the building. It is recommended that original paint be tested for lead content prior to its disturbance. Major work involving lead-based paint or other lead products must be done in accordance with Ontario Regulation 843, under the Occupational Health and Safety Act, if original surfaces have not already been tested for lead.

The spilled waste oil and oil in buckets located in the garage bay should be properly cleaned/disposed of.





#### 1.0 INTRODUCTION

At the request of 4015274 Canada Inc., Paterson Group (Paterson) conducted a Phase I Environmental Site Assessment (Phase I ESA) of part of 1499 Star Top Road, in the City of Ottawa, Ontario. The purpose of this Phase I ESA was to research the past and current use of the site and study area and to identify any environmental concerns with the potential to have impacted the subject property.

Paterson was engaged to conduct this Phase I ESA by Mr. Michael Peters of Cannonbye Construction Ltd. Mr. Peters can be reached by telephone at (613) 247-0049.

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

This Phase I-ESA report has been prepared in general accordance with the requirements of Ontario Regulation 153/04 as amended, 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.

Ottawa, Ontario



2.0 PHASE I PROPERTY INFORMATION

Address: Northwestern portion of 1499 Star Top Road, Ottawa,

Ontario.

Legal Description: Part of Lot 24, Concession 2, City of Ottawa.

Property Identification

Number: Part of 04355-0016

Location: The subject site is located on the east side of Star

Top Road, at Algoma Road, in the City of Ottawa, Ontario. Refer to Figure 1 – Key Plan for the site

location.

Latitude and Longitude: 45°24' 1.6" N, 75°36' 55.4" W

**Site Description:** 

Configuration: Rectangular.

Site Area: 443 m<sup>2</sup> (approximate)

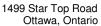
Zoning: IL2 – Light Industrial Zone

Current Use: The subject site is currently occupied by a vacant light

industrial / commercial building that was formerly occupied by a construction equipment rental business.

Services: The subject site is located in a municipally serviced

area.





#### 3.0 SCOPE OF INVESTIGATION

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

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

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#### 4.0 RECORDS REVIEW

#### 4.1 General

#### **Phase I-ESA Study Area Determination**

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

#### First Developed Use Determination

According to the city directories and aerial photos the subject property and surrounding properties have been occupied by light industrial / commercial structures since at least the early 1970s. Prior to this time, the area was used for agricultural purposes.

#### Fire Insurance Plans

Fire insurance plans (FIPs) are not available for the area of the subject property.

#### **City of Ottawa Street Directories**

The city directories for the subject site were reviewed from 1965 to 2011 at approximate 10-year intervals for the subject and surrounding properties. The Phase I Property was first listed in 1972 as Stan's Catering Services. The subject site and neighbouring properties from 1975 to 2011 have always been listed as either commercial or light industrial businesses.

The following table summarises the Potentially Contaminating Activities identified by the City Directories on the Phase I Property and in the Phase I study area.

Table 1: City Directories – Potentially Contaminating Activities in the Phase I Study Area				
Address	Listed Activity (years listed)	Distance / Orientation from site		
1461 Star Top Road	Dan Robitaille Body Shop General Repairs (1975, 1980)	100 m N		
1485 Star Top Road	Ottawa Post Office Vehicle Service Depot (1975)	Adjacent N		

Ottawa, Ontario



Table 1: City Directories – Potentially Contaminating Activities in the Phase I Study Area				
Address	Listed Activity (years listed)	Distance / Orientation from site		
1499 Star Top Road	J. Connelly Rentals (2000, 2011)	On-site		
1519 Star Top Road	Easy 2020 Auto Repairs (2011)	Adjacent S		
1528 Star Top Road	Carquest Auto Parts and Garage (2000)	42 m SW		
	Optimum Custom Millwork (2000)			
1537 Star Top Road	Commercial Tire – Auto Services and Batteries (2011)	70 m S		
	Ron's Auto Unit (2000)			
1541 Star Top Road	Star Top Garage (2011)	120 m S		
	Euro Pro Automobile (2011)			

The PCA located on the Phase I Property and adjacent land (J. Connelly Rentals) is considered to represent an APEC on the subject property. Based on their distances from the subject property, and/or previous subsurface investigations and/or site redevelopments, the remaining PCAs are not considered to represent APECs on the subject property.

#### 4.2 Environmental Source Information

#### **Environment Canada**

A search of the National Pollutant Release Inventory (NPRI) was conducted electronically on November 9, 2018. The subject site was not listed in the NPRI database. No records of pollutant release were listed in the database for properties located within the Phase I Study Area.

#### **PCB Inventory**

A search of national PCB waste storage sites was conducted as part of our assessment. No PCB waste storage sites were identified on the subject or surrounding properties.



# Ontario Ministry of Environment, Conservation and Parks (MECP) Instruments

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

#### **MECP Coal Gasification Plant Inventory**

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

#### **MECP Incident Reports**

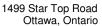
A request was submitted to the MECP Freedom of Information office for information with respect to records concerning environmental incidents, orders, offences, spills, discharges of contaminants or inspections maintained by the MECP for the subject site or adjacent properties. At the time of issuing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

#### **MECP Waste Management Records**

A request was submitted to the MECP Freedom of Information office for information with respect to waste management records. At the time of issuance of this report, the MECP search results had not been received. At the time of issuing this report, a response from the MECP had not been received. The response will be forwarded to the client if it contains pertinent information.

#### **MECP Submissions**

A request was submitted to the MECP Freedom of Information office for information with respect to reports related to environmental conditions. The MECP search results did not find any records related to the subject site. At the time of issuing this report, a response from the MECP had not been received. The response will be forwarded to the client if it contains pertinent information.





#### **MECP Brownfields Environmental Site Registry**

A search of the MECP Brownfields Environmental Site Registry was conducted as part of this assessment for the site, neighbouring properties and the general area of the site. No Records of Site Condition (RSCs) were filed for the subject site or properties in the Phase I study area.

#### **MECP Waste Disposal Site Inventory**

The Ontario Ministry of Environment and Climate Change document entitled "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. No active waste disposal sites were listed in the database for the subject site or neighbouring properties within a 150 m radius.

#### Areas of Natural Significance

A search for areas of natural significance and features within the Phase I study area was conducted on the web site of the Ontario Ministry of Natural Resources and Forestry (MNRF) on November 9, 2018. The search did not reveal any natural features or areas of natural significance within the Phase I study area.

#### **Technical Standards and Safety Authority (TSSA)**

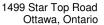
The TSSA, Fuels Safety Branch in Toronto, was contacted on November 14, 2018, to inquire about current and former underground/aboveground storage tanks, spills and incidents for the subject site and neighbouring properties. The response from the TSSA identified records for three (3) active liquid (gasoline and diesel) fuel tanks and associated fuel equipment at 1499 Star Top Road. However, based on observations made at the time of the site visit, at least two (2) of these tanks are not considered likely to be currently present on the property.

#### City of Ottawa Landfill Document

The document entitled "Old Landfill Management Strategy, Phase I – Identification of Sites, City of Ottawa", was reviewed. No former waste disposal sites were identified within the Phase I study area.

#### **City of Ottawa Historical Land Use Inventory**

A requisition was sent to the City of Ottawa on November 23, 2018, to request information from the City's Historical Land Use Inventory (HLUI 2005) database for the subject property. At the time of issuing this report, a response from the City





had not been received. The response will be forwarded to the client if it contains pertinent information.

#### **Previous Reports**

A review of previous reports by Paterson for properties in the Phase I study area did not identify any additional areas of environmental concern.

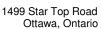
#### 4.3 Physical Setting Sources

#### **Aerial Photographs**

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

1945	The subject property and surrounding lands are agricultural fields. With the exception of Cyrville Road to the north, no major roadways are visible in the area of the subject property.
1958	No significant changes appear to have been made to the subject property or surrounding properties. Residential dwellings have been constructed along Cyrville Road to the north and east, as well as what appears to be a drive-in theatre, located 250 m to the north.
1968	No significant changes appear to have been made to the subject property. Star Top Road has been constructed, and the adjacent properties to the north and south have been developed with what appear to be residential dwellings. Several properties to the southwest, at 1528, 1560, and 1580 Star Top Road, have been developed with industrial and/or commercial businesses.
1976	The subject property has been developed with the existing structure. Surrounding properties have been further developed with commercial and light industrial buildings. Highway 417 has been constructed 115 m to the east.
1986	No changes have been made to the subject property. Buildings have been constructed to the east and south of the subject property.
1999	(Poor quality) No changes are apparent on the subject property or

surrounding properties.





2002	(geoOttawa website) Three (3) aboveground storage tanks appear to be present on the south side of the subject building, and the area around the subject building is occupied by vehicles and equipment. A fuelling station with underground fuel storage tanks also appears to be present on the south side of the eastern half of the subject property (the parking lot).
2009	(geoOttawa website) No significant changes have been made to the subject site or surrounding properties.
2017	(geoOttawa website) The eastern fuelling station is no longer present. Otherwise no changes are apparent.

Several Potentially Contaminating Activities were identified in the review of the available aerial photographs – the fuelling station (with USTs) and ASTs at the subject property. These PCAs are considered to represent Areas of Potential Environmental Concern on the subject site. Laser copies of selected aerial photographs reviewed are included in Appendix 1.

#### **Topographic Maps**

Topographic information was obtained from the City of Ottawa "geoottawa" website and Natural Resources Canada – The Atlas of Canada website. The topographic maps indicate that the elevation of the subject site is approximately 70 m ASL, and that the regional topography in the general area of the site slopes gradually downward to the southeast, towards Green's Creek. An illustration of the referenced topographic map is presented on Figure 2 – Topographic Map, appended to this report.

#### Physiographic Maps

The Ontario Geological Survey publication 'The Physiography of Southern Ontario, Third Edition' was reviewed as a part of this assessment. According to the publication and attached mapping, the site is situated within the St-Lawrence Lowlands physiographic region, described as a plain-like area that was all affected by the Pleistocene glaciations and is therefore covered by surficial deposits and other features associated with the ice sheets.

#### **Geological Maps**

The Geological Survey of Canada website on the Urban Geology of the National Capital Area was consulted as part of this assessment. Based on the information from NRCAN, bedrock in the area of the site consists of shale of the Carlsbad



Formation. Based on the maps, the surficial geology is comprised of plain till, with an overburden thickness ranging from 2 to 3 m.

#### **Water Well Records**

A search of the MECP website did not return any water supply well records on the subject site. Records for seven (7) domestic water supply wells were identified in the Phase I study area and were placed between 1957 and 1960. Based on the age of these wells and the availability of municipal water in the area, these wells are no longer considered to be in use. An additional fourteen (14) monitoring wells were identified in the Phase I study area. Six (6) of these wells were located at 1485 Star Top Road, an adjacent property to the north, and another six (6) were placed at 1540 Star Top Road, 190 m to the south of the Phase I property. The monitoring wells were installed 2007 and 2009, to a maximum depth of 8.25 m.

#### **Water Bodies and Areas of Natural Significance**

A tributary of Green's Creek is located approximately 60 m to the south of the subject property. No areas of natural significance are known to exist within the Phase I study area.

#### 5.0 INTERVIEWS

#### **Property Owner Representative**

Mr. Gratien Proulx, the current property owner, was interviewed during the site visit. Mr. Proulx indicated that he has owned the property since 1985, and that the existing building was present at that time and had previously been occupied by a restaurant. During Mr. Proulx's ownership, the two garage bays were added to the original structure. Mr. Proulx rented the building to J. Connelly Rental Ltd.



#### **6.0 SITE RECONNAISSANCE**

#### 6.1 General Requirements

The site assessment was conducted November 14, 2018. Weather conditions were overcast, with a temperature of approximately -15 °C. Ms. Anna Graham from the Environmental Department of Paterson Group conducted the site visit. 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 assessment.

#### 6.2 Specific Observations at Phase I Property

#### **Buildings and Structures**

The subject site is occupied by a single-storey, slab-on-grade light industrial building and a small parking booth.

The main structure was constructed in approximately 1970 and has a poured concrete foundation and flat roof and is finished with decorative pebble on the exterior. The building is currently not occupied. The parking booth was installed on the south-central part of the site in 2016 or 2017.

The building is municipally serviced and heated with a natural gas furnace.

#### **Site Features**

The ground surface at the subject site is relatively flat. The regional topography slopes downward to the south and southeast, in the direction of Green's Creek. The subject building occupies less than one quarter of the subject site, while the remaining space is occupied by a paved driveway and parking lot.

Water drainage on the subject site occurs by runoff to catch basins on Star Top Road. No ponded water or surficial staining were observed during the exterior assessment of the subject site. A concrete slab was observed in the paved area on the south side of the building, in the location of the former aboveground fuel storage tanks.

#### **Below Ground Structures**

No below ground structures were identified at the time of the site visit.



#### **Underground Utilities**

The property is municipally serviced with sewers and water supply and has a natural gas connection.

#### **Fuels and Chemical Storage**

No fuels were observed to be stored on the exterior of subject property. Some waste oil was improperly stored in buckets in one of the garage bays, and had a pool of oil surrounding the buckets.

No chemicals were identified on the exterior of the subject property.

#### **Interior Assessment**

An interior inspection of the building was conducted as part of the Phase I - ESA. A general description of the interior is as follows:

The floors throughout the building consisted of concrete;
The walls consisted of drywall, particle board and concrete;
The ceilings consisted of stucco and exposed steel decking;
Lighting throughout the building was provided by fluorescent fixtures.

#### **Hazardous Building Materials**

Based on the approximate age of the building (at least 1976), potential ACMs may be present within the building. Suspected ACMs observed include ceiling finishes, exterior pebble finish, vinyl floor materials, and drywall joint compound. If this structure is to undergo renovation or demolition works in the future, then a designated substance survey must be conducted prior to the disturbance of any potentially asbestos containing materials.

Based on the approximate age of the building (at least 1976), lead-based paint may be present on originally painted surfaces within the building. It should be noted that all painted surfaces were noted to be in good condition at the time of our assessment.

No signs of UFFI were noted at the time of the site visit, although ceiling and wall cavities were not inspected.

No concerns with PCBs were identified during the interior inspection.



Wastewater is discharged from the buildings into the City of Ottawa sanitary sewer system. Wastewater from the subject building includes wash water, sewage and floor drain discharge.

No sump pit was observed in the subject building at the time of the site assessment. Two dry drainage pits were observed in the garage bays, with drainage pipes extending out of the building towards the east. The pipe termini could not be determined at the time of the site visit. Traces of oil were visible in the pits. These pits and drainage pipes are a PCA and APEC on the Phase I Property.

No concerns were identified with wastewater discharge at the time of the inspection.

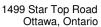
No mould growth was observed on the surfaces (walls and ceilings) of the subject building.

#### **Neighbouring Properties**

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

- North City Locksmith, followed by Gervais Towing and Recovery;
- South Paved driveway, followed by Gratien Proulx Building Materials Ltd.:
- East Gratien Proulx Building Materials Ltd. (with fuel AST);
- West Star Top Road, followed by an office building and a multi-unit commercial/light industrial building, including Best Price Auto, an automotive service garage.

Multiple PCAs were identified in the Phase I study area, including the AST on the lands adjacent to the east of the subject site, and the automotive service garage at 1294 Algoma Road. Property use within the Phase I study area is shown on Drawing PE4482-2 - Surrounding Land Use Plan.





#### 7.0 REVIEW AND EVALUATION OF INFORMATION

#### 7.1 Land Use History

The subject property has always been used for commercial and light industrial purposes, since its development in the 1970s.

#### Potentially Contaminating Activities (PCAs)

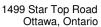
Two (2) historical Potentially Contaminating Activities were identified on the Phase I Property:

- □ Item 28, Table 2, O.Reg. 153/04 as amended by O.Reg. 269/11: "Gasoline and Associated Products Storage in Fixed Tanks" this PCA was identified based on the former use of the subject site as a private fuel outlet. Multiple fuel ASTs for gas/diesel were present on the south side of the subject building, a fuelling station and USTs were located on the east side of the property (currently a parking lot), and waste oil was stored in the garage bays. Corroborating resources include TSSA records and previous reports completed by Paterson for properties in the Phase I study area.
- □ Item 52, Table 2, O.Reg. 153/04 as amended by O.Reg. 269/11: "Storage, maintenance, fuelling and repair of equipment, vehicles, and material used to maintain transportation systems" this PCA was identified based on the former use of the subject site as an automotive service garage, as identified by various historical sources.

Several current and historical Potentially Contaminating Activities were identified in the Phase I study area. There is an aboveground fuel storage tank on the adjacent lands to the east (same property address), and an automotive service garage approximately 60 m to the west, at 1294 Algoma Road. Historically, automotive service garages were present on the adjacent property to the north, at 1485 Star Top Road, at 1519 Star Top Road to the south, at 1528 Star Top Road to the southwest,

#### **Areas of Potential Environmental Concern (APECs)**

Two (2) Areas of Potential Environmental Concern are considered to be present on the subject site – one in the area of the former fuel storage tanks, and a second in the former automotive service bays.





#### **Contaminants of Potential Concern (CPC)**

Based on the former use of the subject site, the following Contaminants of Potential Concern (CPCs) have been identified:

- Petroleum Hydrocarbons Fractions 1 through 4 (PHCs F1-F4) this suite of parameters encompasses gasoline (Fraction 1), diesel and fuel oil (Fraction 2), and heavy oils (Fractions 3 and 4). PHCs F1-F4 were selected as CPCs for the Phase I property based on the presence of the former fuel storage tanks, former automotive service garage, and former waste oil storage.
- Volatile Organic Compounds (VOCs) this suite of parameters includes Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX), associated with gasoline, as well as solvents associated with de-greasing. These parameters were selected as CPCs for the subject property based on the former automotive service garage.

#### 7.2 Conceptual Site Model

#### Geological and Hydrogeological Setting

Based on information from the Geological Survey of Canada, bedrock beneath the site consists of shale of the Carlsbad Formation. Surficial soils consist of till with a drift thickness of 2 to 3 m.

Based on water well records and the results of previous subsurface investigations in the Phase I study area, groundwater is expected to flow east towards Green's Creek.

#### **Contaminants of Potential Concern**

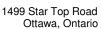
As per Section 7.1 of this report, petroleum hydrocarbons (PHCs) and volatile organic compounds (VOCs) were identified as CPCs on the subject site.

#### **Existing Buildings and Structures**

There is one commercial/light industrial structure, and a small parking booth on the subject property.

#### **Water Bodies**

The nearest body of water is Green's Creek, located approximately 60 m to the south of the subject property.





#### **Areas of Natural Significance**

No areas of natural significance were identified on the site or in the Phase I area.

#### **Drinking Water Wells**

Based on the results of the well record search, no drinking water wells were identified on the subject site.

#### **Neighbouring Land Use**

Neighbouring land use in the Phase I study area consists of commercial and light industrial businesses. Land use is shown on Drawing PE4482-2-Surrounding Land Use Plan.

# Potentially Contaminating Activities and Areas of Potential Environmental Concern

As per Section 7.1 of this report, two (2) APECs were identified on the subject property, in the areas of the former automotive service garage bays and aboveground fuel storage tanks.

#### Assessment of Uncertainty and/or Absence of Information

The presence of concerns within the Phase I study area was confirmed by a variety of independent sources. As such, the conclusions of this report are not affected by uncertainty which may be present with respect to the individual sources.



#### 8.0 CONCLUSIONS

#### Assessment

Paterson Group was retained by 4015274 Canada Inc. to conduct a Phase I Environmental Site Assessment (ESA) of the northern portion of 1499 Star Top Road, in the City of Ottawa, 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 properties.

According to the historical research, the subject property was developed with the office portion of the existing commercial building in the late 1960s or early 1970s and was used as a catering business. The eastern part of the building was converted to garage bays when it was purchased by Mr. Gratien Proulx in 1985 and leased to J. Connelly equipment rentals. The storage areas to the rear of the garage area were added in the early 2000s. Based on the aerial photographs, it appears that there were aboveground fuel storage tanks immediately to the south of the subject building from at least 2002 to 2017, and underground tanks and fuel pump station in the eastern portion of the site from the 1990s to 2000s. The former presence of fuel storage tanks and automotive service garage on the property are considered to be Potentially Contaminating Activities and represent Areas of Potential Environmental Concern.

Properties in the Phase I study area have been used for light industrial and commercial purposes since their initial development in the 1970s and early 1980s. Multiple historical Potentially Contaminating Activities were identified in the Phase I study area. However, based on the nature of the activity, their location with respect to groundwater flow direction, and their distances from the subject site, the identified PCAs are not considered to represent Areas of Potential Environmental Concern on the subject property.

An inspection of the subject site and the surrounding properties was conducted on November 14, 2018. The subject site is currently occupied by a commercial building that until recently was occupied by J. Connelly Rental Ltd. The building was unoccupied at the time of the site visit. Although no aboveground storage tanks were observed on the building exterior, a concrete pad in the parking lot indicates their former location. An inspection of the interior of the building garage bays revealed a drainage pit in the centre of each bay, with an uncapped drainage pipe. The pipes contained some sediment, and appear to drain in the direction of



the building exterior to the east; the pipe termini could not be determined at the time of the site visit. A trace of oil was observed in the bottom of the pit in one of the bays. These garage bays and associated drainage systems are PCAs and an APEC on the subject property.

The surrounding land use consists of commercial and light industrial properties that are not considered to pose a concern to the subject site. The current uses of the subject property or adjacent lands are not considered to represent APECs on the Phase I Property.

#### Recommendations

Based on the findings of the Phase I - ESA, it is our opinion that a Phase II - Environmental Site Assessment is required for the subject property.

Based on the approximate age of the subject building (at least 1976), potential ACMs may be present within the building. Suspected ACMs observed at the time of our site visit include drywall joint compound, stucco ceilings, and exterior wall finishes. It should be noted that wall and ceiling cavities were not inspected at the time of our site visit. A designated substance survey must be conducted prior to the disturbance of any potentially asbestos containing materials.

Lead-based paint may be present beneath more recent non-lead-based paint products on any remaining original surfaces within the building. It is recommended that original paint be tested for lead content prior to its disturbance. Major work involving lead-based paint or other lead products must be done in accordance with Ontario Regulation 843, under the Occupational Health and Safety Act, if original surfaces have not already been tested for lead.

The spilled waste oil and oil in buckets located in the garage bay should be properly cleaned/disposed of.



#### 9.0 STATEMENT OF LIMITATIONS

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

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

This report was prepared for the sole use of 4015274 Canada Inc. Permission and notification from the above noted party and Paterson will be required to release this report to any other party.

#### Paterson Group Inc.

Anna Graham, M.E.S.

Mark S. D'Arcy, P.Eng.

# M.S. D'ARCY 90377839

#### **Report Distribution:**

- 4015274 Canada Inc.
- Paterson Group



#### 10.0 REFERENCES

#### **Federal Records**

Air photos at the Energy Mines and Resources Air Photo Library.

National Archives.

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

Natural Resources Canada - The Atlas of Canada.

Environment Canada, National Pollutant Release Inventory.

PCB Waste Storage Site Inventory.

#### **Provincial Records**

MECP Freedom of Information and Privacy Office.

MECP Municipal Coal Gasification Plant Site Inventory, 1991.

MECP document titled "Waste Disposal Site Inventory in Ontario".

MECP Brownfields Environmental Site Registry.

Office of Technical Standards and Safety Authority, Fuels Safety Branch.

MNRF Areas of Natural Significance.

MECP Water Well Inventory.

Chapman, L.J., and Putnam, D.F., 1984: 'The Physiography of Southern Ontario, Third Edition', Ontario Geological Survey Special Volume 2.

#### **Municipal Records**

City of Ottawa Document "Old Landfill Management Strategy, Phase I-Identification of Sites.", prepared by Golder Associates, 2004.

The City of Ottawa Historical Land Use Inventory.

Intera Technologies Limited Report "Mapping and Assessment of Former Industrial Sites, City of Ottawa", 1988.

The City of Ottawa geoOttawa website.

#### **Local Information Sources**

Personal Interviews.

#### **Public Information Sources**

Google Earth.

Google Maps/Street View.

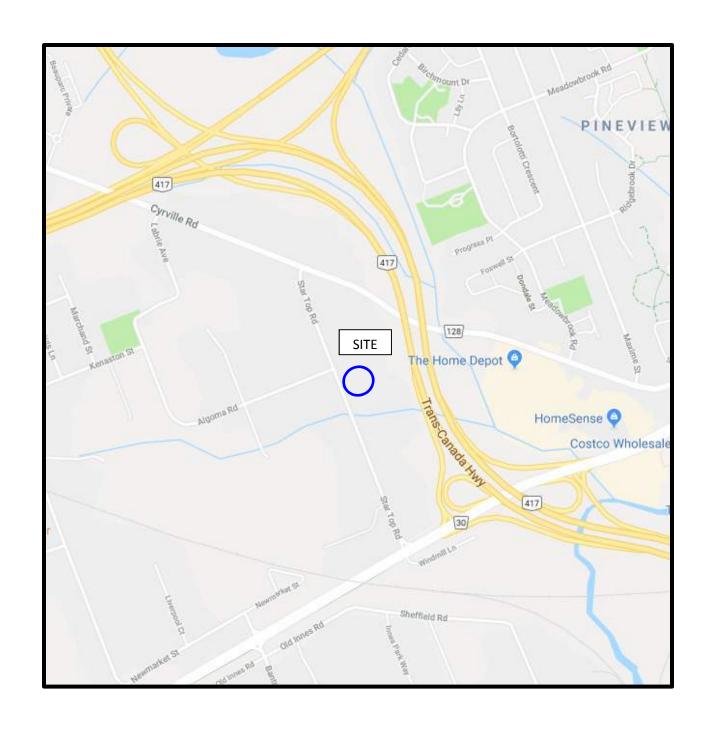
## **FIGURES**

FIGURE 1 – KEY PLAN

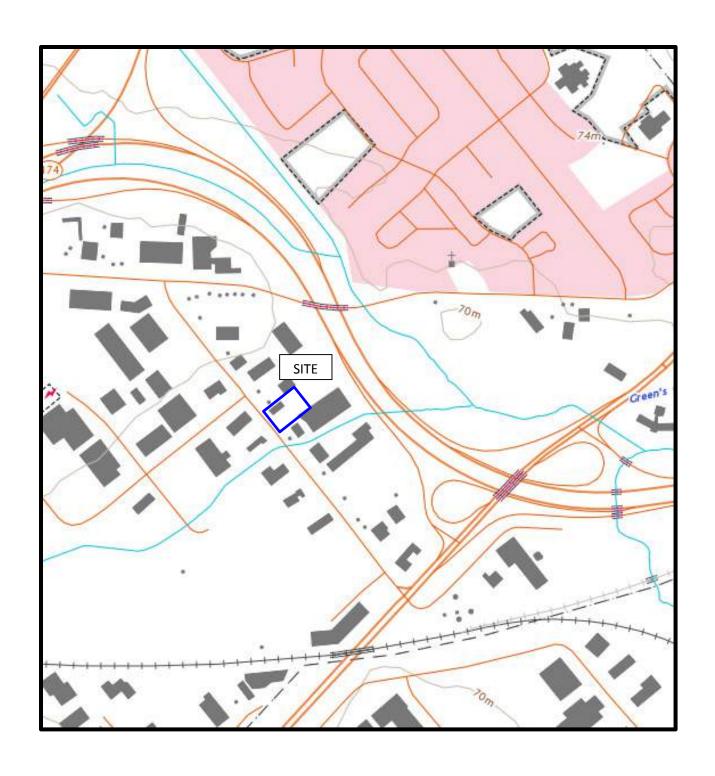
FIGURE 2 – TOPOGRAPHIC MAP

**DRAWING PE4482-1 – SITE PLAN** 

**DRAWING PE4482-2 – SURROUNDING LAND USE PLAN** 

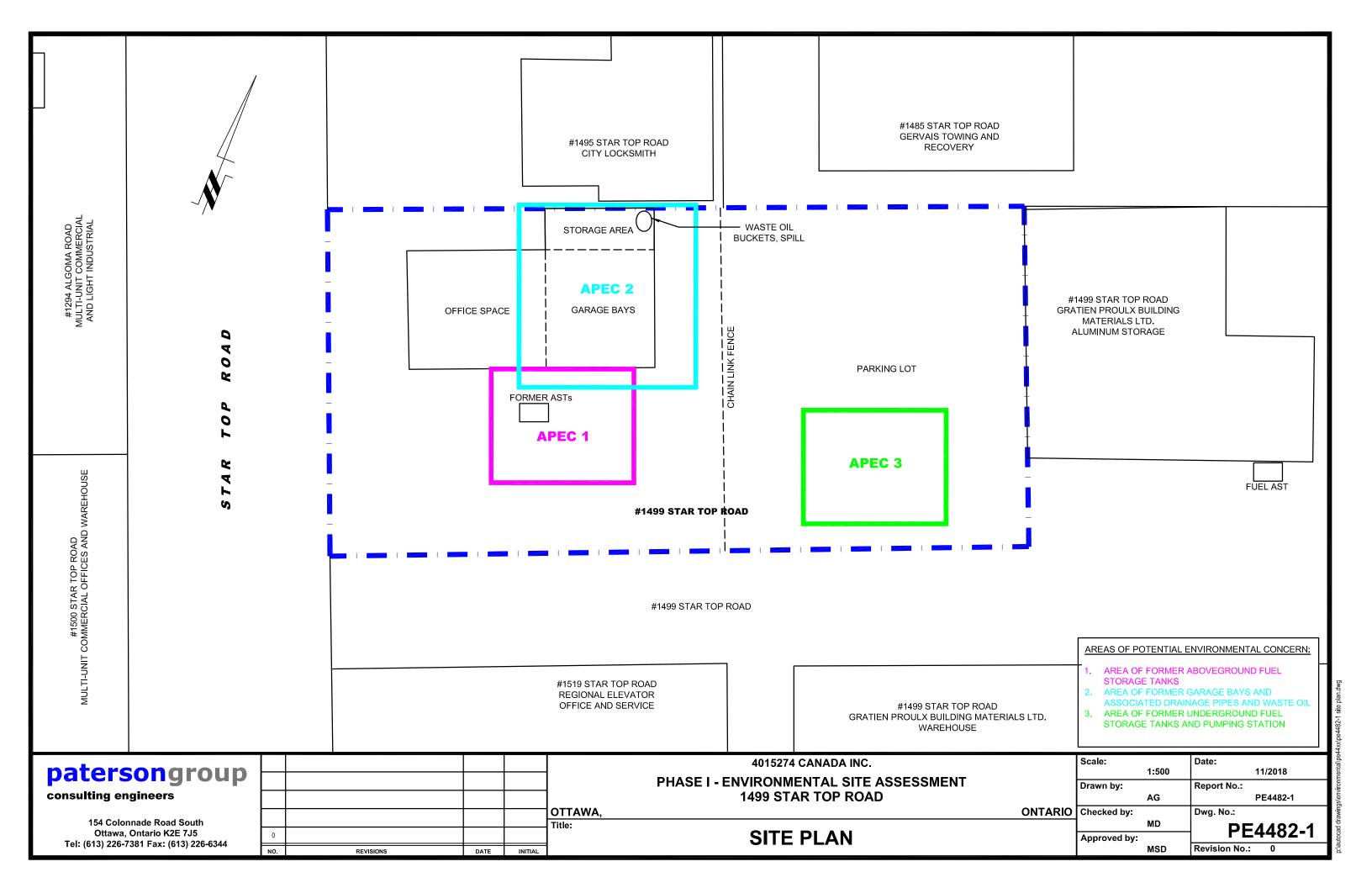


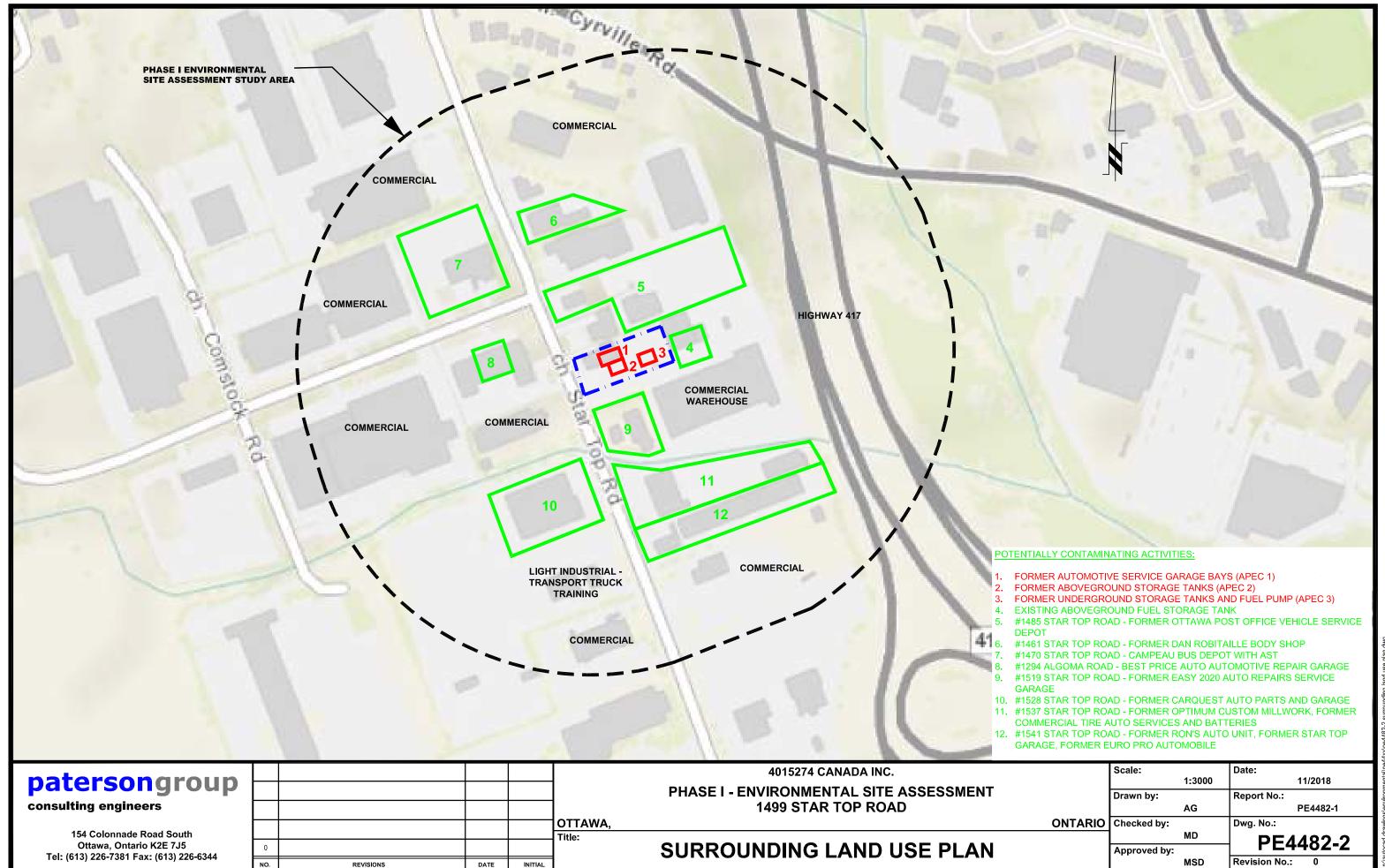
# FIGURE 1 KEY PLAN



# FIGURE 2 TOPOGRAPHIC MAP

— patersongroup –





## **APPENDIX 1**

AERIAL PHOTOGRAPHS
SITE PHOTOGRAPHS



AERIAL PHOTOGRAPH 1945



AERIAL PHOTOGRAPH 1958

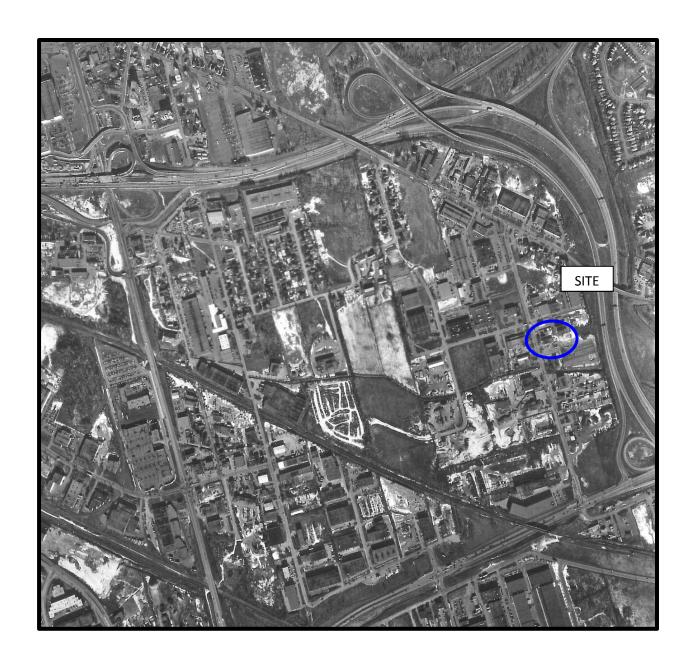


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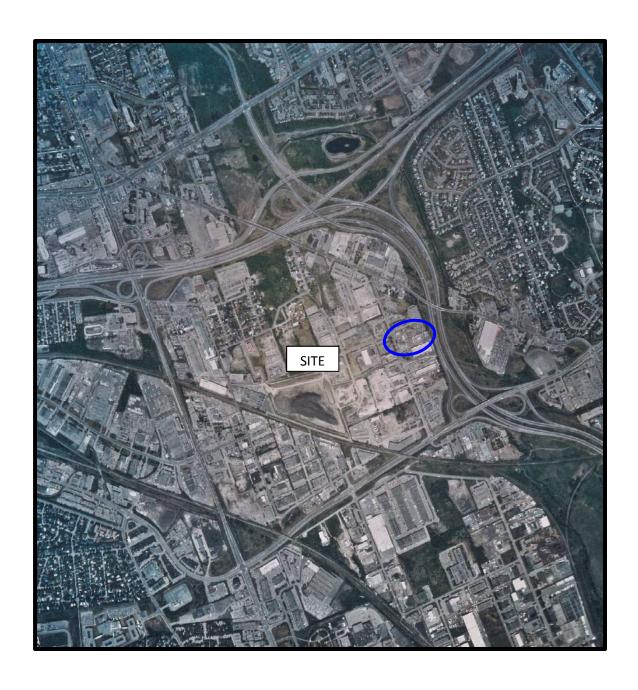


AERIAL PHOTOGRAPH 1976

patersongroup \_\_\_\_



### AERIAL PHOTOGRAPH 1986



AERIAL PHOTOGRAPH 1999



Photograph 1: View of the south side of the subject building, looking east



Photograph 2: View of the paved area to the south of the subject building; the former AST slab is visible at bottom-right.

1499 Star Top Road, Ottawa, Ontario



Photograph 3: View of the east side of the subject property, looking east. The fence separates the east and west portions of the site.



Photograph 4: View of the interior of the office portion (western half) of the subject building.



Photograph 5: View of the first (west) garage bay.



Photograph 6: View of the garage bay floor pit with drainage pipe.

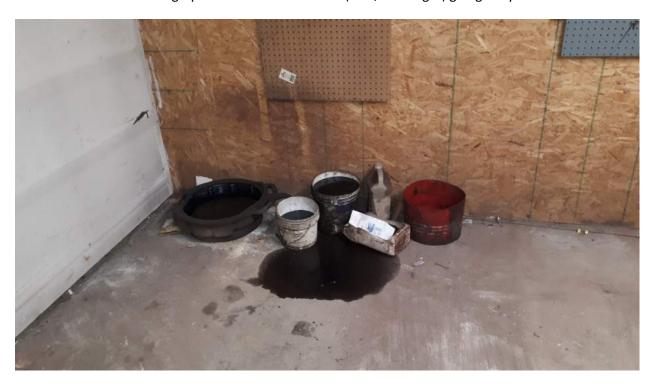
1499 Star Top Road, Ottawa, Ontario



Photograph 7: View of the floor pit with drainage pipe and residual oil in the second (east) garage bay.



Photograph 8: View of the second (east, and larger) garage bay.



Photograph 9: Waste oil stored and spilled in the storage area at the rear of the second garage bay.

## **APPENDIX 2**

MECP FREEDOM OF INFORMATION REQUEST

WATER WELL RECORDS

TSSA CORRESPONDENCE

HLUI REQUEST



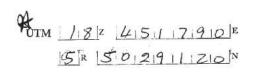
### **Freedom of Information Request**

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

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Requester Data			For Ministry Use Only			
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Anna Graham			FOI Request No.			
Paterson Group Inc. 154 Colonnade Road			Fee Paid			
Ottawa, ON K2E 7J5				□ VISA/MC □ CASH		
Email address: agraham@patersongroup.ca						
Telephone/Fax Nos.	Your Project/Reference No.	Signature/Print /Name of Requester	☐ CNR ☐ ER ☐ N	IOR □ SWR □ WCR		
Tel. 613-226-7381 Fax 613-226-6344	PE4482	Anna Graham				
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Certificates of Approval number(s) (if known). If supporting documents are also required, mark SD box and specify type e.g. maps, plans, reports, etc.						
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air - emissions	1986-present					
water - mains, treatment, ground	1986-present					
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waste water - industrial discharges 1986-present						
waste sites - disposal, landfill si	tes, transfer stations, proce	ssing sites, incinerator sites		1986-present		
waste systems - PCB destruct	tion, mobile waste processi	ng units, haulers: sewage, non-hazardous	& hazardous waste	1986-present		
pesticides - licenses	1986-present					

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

0026 (05/02) Page 1 of 1







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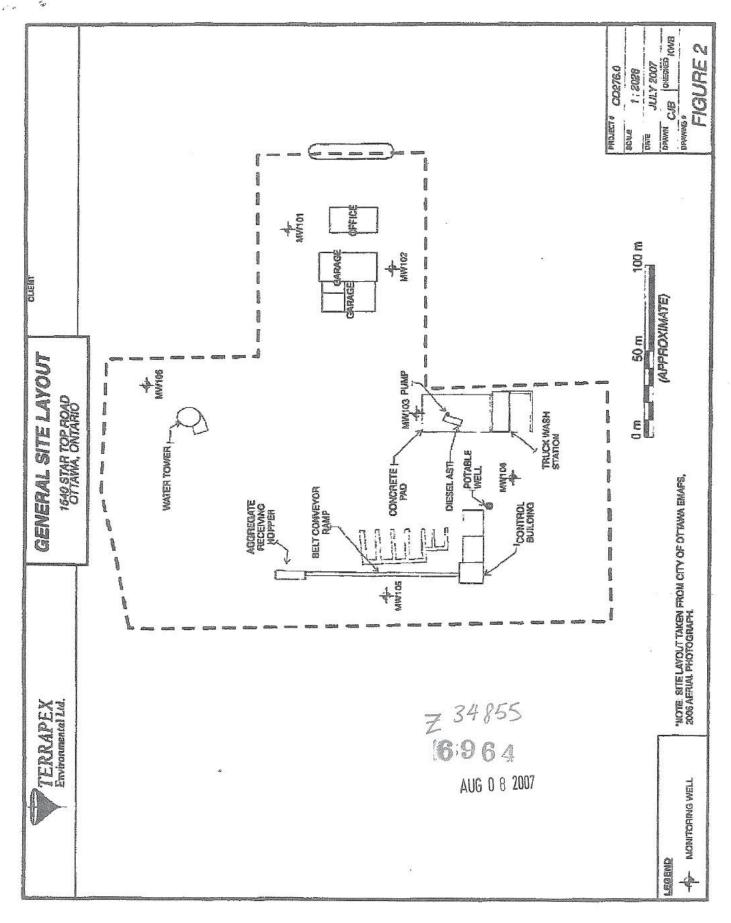
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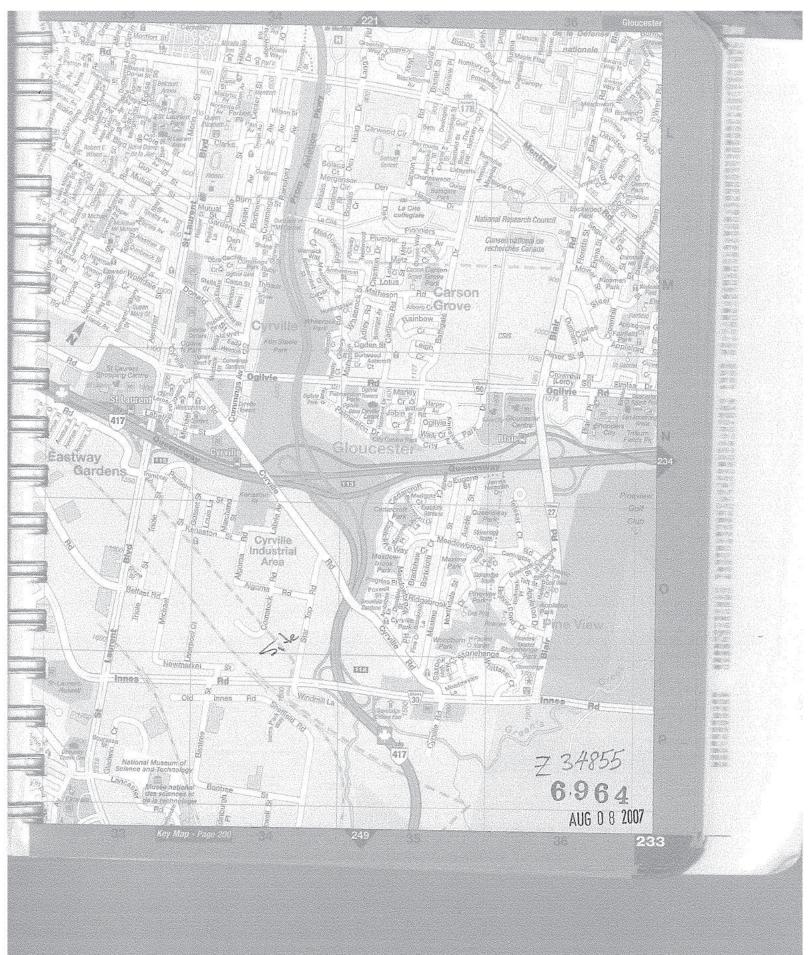
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Gas	Fresh Salty	Sulphur Minerals	Outside	+	50	creen		_	10-15-17	rate		10	TES TERRITORIAL	10	
Other:	Salty	willeras	diam		11/12/10/06/19 19 20	Slot No.	1000	-1.7		(litres/m		15 20		15	
After test of	of well yield,	water was		Plastic Co	777	A 100 PM	2.4	6	. 1	(litres/m		25		25	
Clear	and sediment	free	6.0	Galvanized	Chapter 20	10	ere Express			If pumping disc		30		30	
Other,	specify	1000 per 000	THE 14 7	W NJ. 1	No Casir	ng or Sci	reen			ued, give reaso	JII.	40		40	
Chlorinate	d DV-1	No	1	Open hole		ALC: N	571.	10		1 2 2 2		50		50	4
Cinomiate	u res	INO			_	200	1995				10000	60	W.T.	60	
THE PARTY OF	Plug	ging and Se	aling Reco	ord 🗹	Annular spa	ice 🔲 A	bandonment		1737	Loc	cation o	of Wel	II		
	at - Metres	Material and typ	e (bentonite s	slurry, neat ceme	nt slurry) etc.		me Placed ic metres)			w show distances	of well fr	om roa	d, lot line,	and bui	lding.
From	To	e	1. 1	bankand	1	100000	ic friedes)	A CONTRACTOR	te north by	Transfer of the second					
0	0.15	1 1	your w	10 und and	CONERES	4 1		- 0	285	reading -	taker	00	asm.	10	
0.12	0.22	No	15 Min	9	THE TANK THE TANK	12 1	009	-1-1	1.1.	of 6 w Sile plan	110	insi	ralled		
0.55	1.80	nat	-me bo	ich fill	Townson Co.		1 100		LOSON	_;	(	1	1		
1.80	2.25	hal	ie nlu	q	100	火火	ag	in a com-	8 18 9 9	side plan	end	(050)	d		
2.25	6.10	Fill	- Sar	1		1011		11:							
				Construction		erewy		1		Area No		. (	550-		
Cable T	ool	Rotary	(air)	Dian	nond		Digging	1		rrea ma	A To	7	0 52 0		
	conventional	The state of the s	noissuc	Jetti			Other	11 .							
Rotary (	reverse)	Boring	10/-4-	Drivi	ng			41.							
Domest	ie.	Industri		r Use	ic Supply	-	Tour	-							
Stock		Comme		Not	and the second	Sawy	Other	1		(			<		
Irrigation	1	Municip			ling & air con	ditioning		Audit	No. =9	2/05	Dat	te Well	Completed	~	MM DD
	596 1		-	tus of Well	Taxan 1		and great		· ba	3485	)	115	20	07	6 27
Water 9	****	Recharge w		19000	nished	Aband	loned, (Other			wner's information	The second	e Deliv		777	MM DD
Observa	ation well	<ul><li>Abandoned,</li><li>Abandoned,</li></ul>	insufficient s poor quality		atering acement wel			раска	ge delivere	ant     Ing	Jivo!		20	07	2 18
L Cat II				chnician Info	CHICAGO CONTRACTOR		E3/8/1			Minis	stry Us	e Only	/	1,000	
	ell Contracto	or	31 33	With His Dr	Well Co	A THE RESERVE	Licence No.	Data 3	Source	7	Cor	ntracto	00	. <sub>B</sub>	
	0 65	Inc			wife Section	696	4	11-	la activit			C	1.00	4	
Business A		et name, numb	er, city etc.)	load 1	11 1.	01	KOALAC	100000000000000000000000000000000000000	Received	THE RESERVE TO SHARE THE PARTY OF THE PARTY		e of Ins	spection v	MYY I	MM DD
		n (last name, t	first name)	C-0((C ))	Well Te		Licence No.	Rema	rks	AUG D 8 20		II Reco	rd Number		

Contractor's Copy Ministry's Copy Well Owner's Copy



35



SHEET 1 OF 1 RECORD OF: MW 101 PROJECT NUMBER: CO 276.0 PROJECT LOCATION: 1540 STAR TOP PIOAD RORING DATE: JUNE 19 & 27, 2007 TERRAPEN Environmental Lid. TYPE OF AUGER: HOLLOW STEM OTTAWA, ON DUFFERIN CONSTRUCTION TYPE OF RIG: CME 18 / HILTI DO 200 CLIENT: SOIL PROFILE SV (spin or NLEL - P Indicatoral) LABORATORY TEGTING NETRES PIEZOMETER A RECOVERY STRATA PLOT COMMENTS OF MONDOUNG WELL Name DESCRIPTION METRES SPTIM TYPE FEET FEE 4 6 1 1 3 3 2 2 1 1 GROUND SURFACE 0 ø CONCRETE 1 SAND AND GRAVEL 1 BROWN TO BLACK, DRY, DENSE SS 79 39 30 1 NO ODOUR 2-SOME ROCK FRAGMENTS ppm 3. SAND AND GRAVEL 1 BLACK, MOIST, COMPACT 2 SS 75 12 30 4 NO COOUR ppm CLAY WITH SAND 5. LIGHT BROWN-GREY, DRY, DENSE <10 3 SS 35 NO ODOUR 100 ppm 6 -2 2 BEDROCK ? 7 8 舞 服 華 8 9 3 10 11 三川 12 - GREY CLAY FROM 3.7 TO 4.2 mbg 三川三 -1.3 声叫声 -14 14 15 -15 16 5 17 -17 **E** 111 18 18 -19 19 上川三 6 6 20 20 END OF BOREHOLE -23 21 22 -22 -23 23 25 25 26 -26 B 27 28 29 29 AUG 0 8 2007 30 30 32 31 32 32 10 10 LOGGED BY: JCW NPUT BY: JCW CHECKED BY: KYWE INPUT DATE: JULY 31, 2007



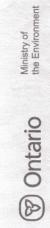
Ministry of the Environment

Well Tag No. for Master Well (P'--- Chicker and/or Print Below)

A097357 A 092357 Ister Well Construction lation 903 Ontario Water Resources Act

Master Well Record for

County/Di	of Well Location (Street	et Number/Name, RRV	240	Township				Lot	Concession	on
	istrict/Municipality	19 10	7	City/Town/Villa	age				Province	Postal Code
10010	17	B1 - db		0000	MA	•	Made of C	basetlas:	Ontario	
UTM Coor	dinates Zone Easti	ng 884 502	9459	PS Unit Make	Model	KEX	Mode of C	riated, specify	Undifferentiated	Averaged
_		k Materials (see inst	tructions on the	e back of this	form)			Hol	e Details	
General Colour	Most Common Material	Other Materials	Genera Descripti	The second secon	h (Metres)	Depth	(Metres)		Diamet (Centime	
211	1 FIII	GRAVEL	(00	SE B	06	0	2.44	8.25		
3/1/	5117		SOFT	0,6	15	2.44	396	5.71		
AV	5117	CLAY CLAY TONE B	SAFT	- 15	-7.40	~ 11	- 10	0.11		
RY	1. 1MES-	TONE Z	EDPOI	10 2.4	4 3.90					
/-/	0,,,,,	7	- Jeoc	u				Wo	ter Use	
						☐ Public			Not used	Other, specify
						Domes			Dewatering Monitoring	
						☐ Irrigati	on O		Cooling & Air Con	ditioning
						Cable	Tool		ercussion Di	paina
						Rotary	(Conventio	nal) Diam	ond Bo	
						Rotary	(Reverse) (Air)	☐ Jettin	-	nor, spoony
								State	us of Well	
						☐ Fest H	lole cement Wel		doned, Insufficient S doned, Poor Water	
						Dewat	ering Well	Othe	r, specify	
									doned, other, specia	
						Open Hole		creen Used		ter Level Test
		Construction De					Yes		creen	etres
Inside Dia (Centime		Material c, fibreglass, concrete, g		Wall Depti	h (Metres)	Galvar	nized [		reglass Conc	rete Dastic
3,40	5 PU	BTV	13	356 0	3.96	Outside D	iameter (Q	entimetres)	Slot No. /C	)
					1			Water D	etails	
						Water for	und at Dep	th Kind	of Water	0.1-1
						Water for	Metres und at Dep	- Cross	of Water	Sulphur Minerals
	Annula	r Space/Abandonme	nt Sealing Rec	ord						Sulphur Minerals
Depth Set From	at (Metres) To	Type of Sealant (Material and Ty			me Used ic Metres)	Water for	und at Dep Metres		of Water esh Salty	Sulphur Minerals
D	0,3 CON	lett.				Disinfecte		No If no, pro		Master Well Completed
3	OIG BEI	NTONITE							0999	7/11/18
0.6	3,96 51	END.				Cluster	Informatio	n (Please also	fill out the additi	onal Cluster Well
						The second second second	tion for We Ils in Clust			of land and cluster, Number of Cluster We
						Total We	lls on this I	6 Property C	Information Log	Sheets Submitted
						Total We	no on tho	6	/	
						Detailed	Map must l		of Well Cluster an attachment no	larger than legal size
						(8.5" x 14	1"). Sketche	s are not allow	ved.	per Section 11.1 (3)
										ing the cluster to
	The second secon					Han Diver		-		
				nation						
	Well Cont	tractor and Well Tec	hnician Inform							
Business N	Well Contract		Contract to the Contract of th	Vell Contractor's L	icence No.					
Business /	Name of Well Contract A Soil S		Contract to the Contract of th	Vell Contractor's L	licence No.					
Business /	Name of Well Contract A Soil S	tor CIMOINS ame, Almber, RAI AUR GREK K	Rol. Ric	Vell Contractor's L	ligence No.			Minist	ry Use Only	
Str	Name of Well Contract A Soil S	tor  IMPUNC  ame, rlumber, RRI)  QUEC (PEK K  de Business E-m	RCL. Richard Address	Vell Contractor's L 272   9 pality Nmano	light light	Audit No.	w 05	Ministr 266	ry Use Only Well Contractor N	10.
Business / #2-14 Province	Name of Well Contract A Soil S	tor  I'M DING  ame, rlimber, RRI  AUCY CREK K  de Business E-m  I'CG WTCCO	Munici RCI. Ri nail Address Assign (Last Name,	vell Contractor's L 22/5 pallity NM(100 (radaso; 1	licence No.  2 /  1 fill  1.com	Audit No.	M 05	000		
Business / #2-14 Province	Name of Well Contract Address (Street No./No./No./No./No./No./No./No./No./No./	tor  I'M DING  ame, rlimber, RRI  AUCY CREK K  de Business E-m  I'CG WTCCO	Munici RCI. Ric nail Address S.J. S. Sian (Last Name, N. Three	vell Contractor's L 22/5 pallity NM(100 (radaso; 1	2 // 1 /6/1/ 1.com	Date Req	w 05	000	Well Contractor N	
Business / #2-14 Province	Name of Well Contract Address (Street No./Ni Postal Cor LY B none No. (inc. area code 104 9804 ician's Licence No. Sign	tor  I'M DING  ame, rlimber, RRI  AUCY CREK K  de Business E-m  I'CG WTCCO	Munici RCI. Ric Ric Rail Address S.J. S. S. Stan (Last Name, M. T. Free	Vell Contractor's L 2 2   5 pality NM (10 0 (radicso; 1 First Name)	2 // 1 /6/1/ 1.com	Date Req	M 05	000	Well Contractor N	



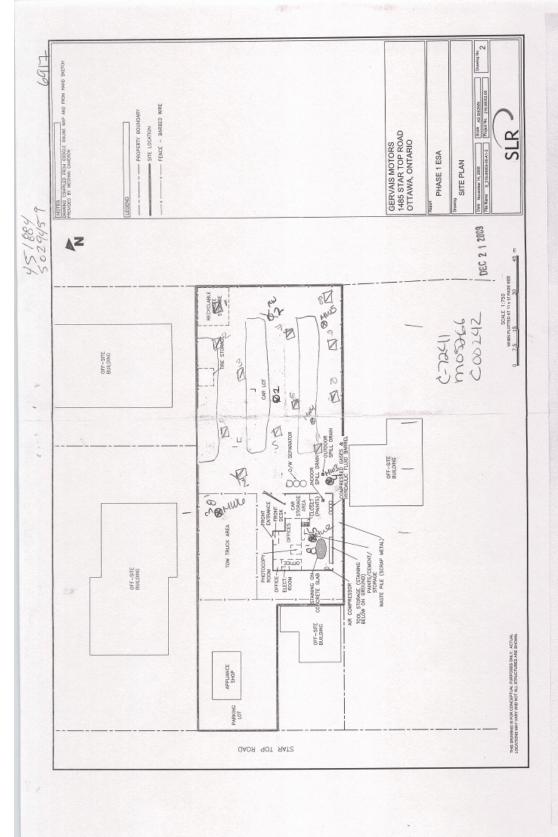
Well Tag No. for Master Well (Print Well Tag No.)

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

Jo |

(A) T Page \_\_

Date (yyyy/mm/dd)	Date of Completion (1999/imp/dd)		0.00		Date Last Well in Cluster Confirmated (sysymmoted) Of It   8 Bate Inspected (sysymmoted)  Remarks  Remarks  Queen's Printer for Ontario, 2006
Signature of Technician/Contractor	Comments				Date 1st Well in Cluster Constructed Date Last Well in Cluster Constructed Constructed Constructed Constructed Constructed Constructed Constructed Constructed Constructed Construction Con
ipality Averaged	Abandonment Sealant Used				ON
County/District/Municipality	Static Water Level (metres)				Municipality M1Ch mond (hill   6N) Signature of Technician Media
	Annular Space Sealant Used	Bertown	2 1		A mund
A Unit Mode of Operation Differentiated, specify	Screen Interval (metres) From To	91 3.96	9 396		8 7
est to	Casing Length Screen Interval (metres) Annular Space State Trom To Sealant Used Leve C 4 0.91 2, 44 Pencence	0.910913,96 Berond	0.910.913.44		RR) CREK s E-mail Addres bmitted (vysyvimm) 79/11/73
	Casing Material Ca				Number/Name, Port of (
GPS Unit Make	Method of Ca	A-18 A-18 A-18 A-18 A-18 A-18 A-18 A-18	MW51845039478 8.96 5.71 Howard PUC		Well Contractor and Well Technician Information  Business Address (Street Number/Name, RR)  Business Address (Street Number/Name, RR)  Municipality  Municipality  Municipality  Mich municipality  Postal Code  Living Ministry's Copy  Ministry's Copy  Ministry's Copy
Postal Code	100	12 45188050394573.96 5.71 HAVINGE	17 20 27 8 27 8 27 8		Business We
8 .01	Full Depth of Hole Diameter Hole (metres) (cm)	3.96	3.96 3		lo. (inc. area cod
COTO Province Ontario	1479 Co	39457	39448		chnician Inf
STW TEP OTTOWN	UTM Coordinates	88050	87450		and Well Te
HES STW TO KERN PROVING CITY TO WIND STAND TO KERN CITY TOWN NILLS OF TOWN ON THE CONTROLL OF	on Swetch Zone Easting	18451	18951		Well Contractor and Well Technician Information Business Name of Well Contractor  Postal Code  LIVIE II ( ( ( ( ( ) ( ) ( ) ( ) ( ) ( ) ( )
Addres City/To	well #	Lw3	100 J		Well Cont Business Nat Postal Code Name of Wel 1991 (11/2006)



Well Record

© Queen's Printer for Ontario, 2007

Regulation 903 Ontario Water Resources Act

Address of	Well Location	on (Street Nur S+ar	-	Rd	, ,	ownship	Lot		Concession		
County/Dis	strict/Municip				C	O Hawa		Provin		Postal	Code
	dinates Zone		10 miles 10	orthing		Municipal Plan and Sul	olot Number	Other	a110		
		4511				and variations to the second	La barre result				
General C			non Material	nment Sea		rd (see instructions on t	General Descriptio	n		Dep	th (m/ft)
										rioni	10
				1							
Donth S	et at (m/ft)		Annular Type of Sea			Volume Placed	Results of W After test of well yield, water was:		d Testing aw Down	D	ecovery
From	To		(Material an			(m³/ft³)	Clear and sand free	Time	Water Level	Time	Water Level
0'	0.5	Ceme	nt				Other, specify  If pumping discontinued, give reason:	(min) Static	(m/ft)	(min)	(m/ft)
0.5'	3.5'	Ceme	nite				- January gire rodavil	Level 1		1	
3-5'	14'	Sand	d				Pump intake set at (m/ft)	2		2	
								3		3	
	hod of Con				Well Us		Pumping rate (I/min / GPM)				
	Cable Tool Diamond Public Commercial Not used  Rotary (Conventional) Jetting Domestic Municipal Dewatering					Duration of pumping	4		4		
Rotary (	Reverse)	☐ Driving ☐ Digging	Liv		Cooling	le Monitoring & Air Conditioning	hrs + min Final water level end of pumping (m/fl	5		5	
Air perci			☐ Ind	ustrial	_ occurring	w/ui conditioning	The state of the state of particular state of the state o	10		10	
Other, s		struction R		ier, specify_	031150310	Status of Well	If flowing give rate (Vmin / GPM)	15		15	
Inside Diameter	Open Hole	OR Material d, Fibreglass,	Wall Thickness		n (m/ft)	☐ Water Supply	Recommended pump depth (m/ft)	20		20	
(cm/in)		Plastic, Steel)	(cm/ln)	From	То	Replacement Well Test Hole	Recommended pump rate	25		25	
1.75"	Plasti	0	1.25"	0'	41	Recharge Well Dewatering Well	(Vmin / GPM)	30		30	
						Observation and/or Monitoring Hole	Well production (Vmin / GPM)	40		40	
						Alteration	Disinfected?	50		50	
						(Construction)  Abandoned,	Yes No	60		60	
Outside		nstruction R	ecord - Scre		( (0)	Insufficient Supply Abandoned, Poor	Map of W Please provide a map below following			ack	
Diameter (cm/in)		iterial vanized, Steel)	Slot No.	From	(m/ft)	Water Quality Abandoned, other,	1 rease provide a map below following		-/	don.	
105"	Plast	)c	10	4'	141	specify	Stat 701	) 10	-a		;
			. 0			Other, specify					- (
	ROSE TO SE	Water Det	tails		Н	lole Diameter					- 1
		Kind of Water		Untested		th (m/ft) Diameter					1
		Other, spe Kind of Water		Untested	01	14' 3.25	1519				,
(n	n/ft) Gas	Other, spe	icify								
		Kind of Water Other, spe		Untested						1	(
ELECTRIC CO.		II Contracto		Technicia	n Informat	tion	I & Izm		N'	V	1
	lame of Well	Contractor	1/1		We	Il Contractor's Licence No	7m	_			
		et Number/Na	1		Mu	inicipality	Comments:				
		Beav				chmondli	1				
Province	L Po	stal Code		E-mail Add	0 1	tosoi I.com	Well owner's Date Package Deliver	ed ]	Minist	try Use	Only
		rea code) Na	me of Well T	echnician (L	ast Name,		information package		Audit No.	l ne	617
Well Technic	7649 cian's Licence	3 04/N No. Signature	of Téchnicia	pand/or Co	ntractor Dat	te Submitted	delivered Date Work Completed		PAG C	100	017
3 4	148	m	1/2/	neu	17.	0091115	No 200911	24	Received	21	2009
0506E (12/20	107)					Ministry's Con		1	@ Ouesnie	Drinter fo	r Ontario, 2007

Ministry's Copy

Measurements recorded in: Metric Merrial A 090903 A090903

Well Record
Regulation 903 Ontario Water Resources Act

| DS | Page | 2 of 2

County/District/Municipality  City/Towp/Village  City/Towp/Village					Province Ontario			Postal Code	
JTM Coordi NAD	inates Zone Easting	84 8 50 29 K		funicipal Plan and Šublo	ot Number	Other			
	en and Bedrock Materi			rd (see instructions on the	back of this form)	Billi			
General Co	olour Most Comr	non Material	Oth	er Materials	General Description	n		From	oth ( <i>m/ft</i> ) To
No.									
	N								
								Min.	
								4	
	E E								
					B 11 (11				
Depth Se	et at (m/ft)	Annular Space Type of Sealant Used	muma	Volume Placed	Results of W After test of well yield, water was:	-	aw Down	R	Recovery
From	To C	(Material and Type)		(m³/ft³)	Clear and sand free Other, specify	Time (min)	Water Level	Time (min)	Water Leve
)	US Cemi	ent,			If pumping discontinued, give reason	Static	Inne	(rims)	friency
2,	4' Ben	brite				Level 1		1	
1'	15' sand	0(			Pump intake set at (m/ft)				
					The state of the first	2		2	
Meth	nod of Construction	and extensive and	Well Us	0	Pumping rate (Vmin / GPM)	3		3	
Cable To		The second secon	Commer		Duration of pumping	4		4	
Rotary (C Rotary (F	Conventional)	Domestic Livestock	☐ Municipa		hrs + min	5		5	
Boring	☐ Digging	☐ Irrigation	☐ Cooling	& Air Conditioning	Final water level end of pumping (m/fi	10		10	
Air percu Other, sp		Industrial Other, specify			If flowing give rate (l/min / GPM)	15		15	
	Construction R	ecord - Casing		Status of Well	In nowing give rate (minit / Grin)	20		20	
Inside Diameter	Open Hole OR Material (Galvanized, Fibreglass,	Thickness	(m/ft)	☐ Water Supply ☐ Replacement Well	Recommended pump depth (m/ft)				
(cm/in)	Concrete, Plastic, Steel)	(cmvin) From	То	Test Hole	Recommended pump rate	25		25	
.25	Plastic	0.25" 0"	5	Recharge Well  Dewatering Well	(Vmin / GPM)	30		30	
				Observation and/or	Well production (Vmin / GPM)	40		40	
				Monitoring Hole Alteration		50		50	
				(Construction)  Abandoned,	Disinfected?	60		60	
	Construction R	ecord - Screen	(22)	Insufficient Supply Abandoned, Poor	Map of V	/ell Loc	ation		THE SECTION
Outside Diameter	Material	Slot No. Depth	(m/ft)	Water Quality	Please provide a map below following			ack.	
(cm/in)	(Plastic, Galvanized, Steel)	From	То	Abandoned, other, specify	Star To		0-1		7
5"	Plastic	10 85	15'	Пои г	3700		1001		1
				Other, specify					1
	Water De			ole Diameter					,
	d at Depth Kind of Wate		Depti From	h (m/ft) Diameter To (cm/in)					!
	n/ft) ☐ Gas ☐ Other, spe ad at Depth Kind of Wate		0'	15' 3.25"	1519.				,
	v/ft) ☐ Gas ☐ Other, spe								_ 1
	d at Depth Kind of Wate							31	m'
(III	vft) Gas Other, spe	or and Well Technicia	n Informat	ion	N			+	-11
usiness Na	ame of Well Contractor	and Wen Technicia		Contractor's Licence No.		\$	2m	IG	9.1
>tra	,	ampling	7	241	Comments				
-/47	ddress (Street Number/Na			ich mond H. 11	Comments:				
rovince	Postal Code	Business E-mail Add	ress	converti //					
M		6 woccord		radasoila	Well owner's Date Package Deliver	ed		ry Us	e Only
us. Telepho	-1 11 -1 - 11	me of Well Technician (L	-11	First Name) Soil scom	package Y Y Y M M	DD	Audit No.	LOF	616
ell Technici	an's Licence No. Signature	1	ntractor Date	Submitted	Yes Date Work Completed				
				0091115	1 No 2009 11		DEC	Marie Control of	2009

#### **Anna Graham**

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

November-16-18 9:50 AM Sent:

Anna Graham To:

RE: Records search request for 1499 Star Top Road - Record Fuels Subject:

Hello,

I have searched the below noted address (addresses) and I have located the following record:

THAVE SCATCH	have scarched the below noted addresses and thave located the following record.										
Inst	Context	Attribute 1	Attribute	Address	City	Province	Postal	Inventory	Inststatusname	Ownername	Segment1
Number			2				Code	Item Id			
								SUM			
9313064	FS Facility	-	-	1499 STAR TOP	GLOUCESTER	ON	K1B 3W5	5030	Active	GRATIEN PROULX BULDING MATERIAL LTD	FS PRIVATE FUEL OUTLET - SEL
				RD							SERVE
10763203	FS Liquid Fuel	Diesel	-	1499 STAR TOP	GLOUCESTER	ON	K1B 3W5	6932	Active	GRATIEN PROULX BULDING MATERIAL LTD	FS LIQUID FUEL TANK
	Tank			RD							
10763187	FS Liquid Fuel	Gasoline	-	1499 STAR TOP	GLOUCESTER	ON	K1B 3W5	6932	Active	GRATIEN PROULX BULDING MATERIAL LTD	FS LIQUID FUEL TANK
	Tank			RD							

Effective November 1, 2017 TSSA requires that any requests for the release of public information, must complete the release for public information form. The release for public information form can be found at https://www.tssa.org/en/about-tssa/releaseof-public-information.aspx? mid =392. Please complete the form (1 address per form) and email the completed form to publicinformationservices@tssa.org or through mail along with a fee of \$56.50 (including HST) per location. The fee is payable with credit card (Visa or MasterCard) or with a Cheque made payable to TSSA.

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

Thank you,

Roxana



Roxana Mashtaler | Public Information Agent

Facilities 345 Carlingview Drive Toronto, Ontario M9W 6N9 Tel: +1-416-734-3472 | Fax: +1-416-231-6183 | E-Mail: rmashtaler@tssa.org







From: Anna Graham < AGraham@Patersongroup.ca>

**Sent:** November 14, 2018 4:17 PM

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

Subject: Records search request for 1499 Star Top Road

Good afternoon,

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

1461 Star Top Road 1470 Star Top Road

1

1475 Star Top Road 1485 Star Top Road 1495 Star Top Road 1499 Star Top Road 1500 Star Top Road 1519 Star Top Road

1294 Algoma Road

Thank you,

Anna Graham, B.Sc., M.E.S. patersongroup solution oriented engineering

154 Colonnade Road South Ottawa, Ontario, K2E 7J5 Tel: (613) 226-7381 Ext. 228

Fax: (613) 226-6344

Email: agraham@patersongroup.ca

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

	Office Use Only		
Application Number:	Ward Number:	Application Received:	(dd/mm/yyyy):
Client Service Centre Staff:		Fee Received: \$	



### **Historic Land Use Inventory**

**Application Form** 

#### **Notice of Public Record**

All information and materials required in support of your application shall be made available to the public, as indicated by Section 1.0.1 of *The Planning Act*, R.S.O. 1990, C.P.13.

#### **Municipal Freedom of Information and Protection Act**

Personal information on this form is collected under the authority the *Planning Act*, RSO 1990, c. P. 13 and will be used to process this application. Questions about this collection may be directed by mail to Manager, Business Support Services, Planning Infrastructure and Economic Development Department, 110 Laurier Avenue West, Ottawa, K1P 1J1, or by phone at (613) 580-2424, ext. 24075

		Background Inf	ormation
*Site Address or Location:			
	* Mandatory Field		
Applicant/Agent I	nformation:		
Name:			
Mailing Address:			
Telephone:		Email Address:	
Registered Property Owner Information:		Same as above	2
Name:			
Mailing Address:			
Telephone:		Email Address:	

	Site Details						
	m Lot depth: m Lot area: m²  area: (irregular lot) m²  have Full Municipal Services: Yes No						
	Required Fees						
Please don't hesitate to visit the Historic Land Use Inventory website more information. Fees must be paid in full at the time of application submission.  Planning Fee							
	Submittal Requirements						

The following are required to be submitted with this application:

- 1. Consent to Disclose Information: Consultants and other third parties may make requests for information on behalf of an individual or corporation. However, if the requester is not the owner of the property, the requester must provide the City of Ottawa with a 'consent to disclose information' letter, signed by the property owner. This will authorize the City of Ottawa to release any relevant information about the property or its owner(s) to the requester. Consent for disclosure is required in the event that personal information or proprietary company information is found concerning the property and its owner. All consents must clearly indicate the name of the property owner as well as the name of the requester, and must be signed and dated.
- 2. **Disclaimer:** Requesters must read and understand the conditions included in the attached disclaimer and submit a signed disclaimer to the City of Ottawa's Planning, Infrastructure and Economic Development Department. This disclaimer is related to the Historic Land Use Inventory and must be received by the City of Ottawa, signed and dated by the requestor, before the process can begin.
- **3.** A site plan or key plan of the property, its location and particular features.
- **4.** Any significant dates or time frames that you would like researched.

# Disclaimer For use with HLUI Database

CITY OF OTTAWA ("the City") is the owner of the Historical Land Use Inventory ("HLUI"), a database of information on the type and location of land uses within the geographic area of Ottawa, which had or have the potential to cause contamination in soil, groundwater or surface water.

The City, in providing information from the HLUI, to	("the Requester") does so only under the following
conditions and understanding:	

- 1. The HLUI may contain erroneous information given that such records and sources of information may be flawed. Changes in municipal addresses over time may have introduced error in such records and sources of information. The City is not responsible for any errors or omissions in the HLUI and reserves the right to change and update the HLUI without further notice. The City does not, however, make any commitment to update the HLUI. Accordingly, all information from the HLUI is provided on an "as is" basis with no representation or warranty by the City with respect to the information's accuracy or exhaustiveness in responding to the request.
- 2. City staff will perform a search of the HLUI based on the information given by the Requester. City staff will make every effort to be accurate, however, the City does not provide an assurance, guarantee, warranty, representation (express or implied), as to the availability, accuracy, completeness or currency of information which will be provided to the Requester. The HLUI in no way confirms the presence or absence of contamination or pollution of any kind. The information provided by the City to the Requester is provided on the assumption that it will not be relied upon by any person whatsoever. The City denies all liability to any such persons attempting to rely on any information provided from the HLUI database.
- 3. The City, its employees, servants, agents, boards, officials or contractors take no responsibility for any actions, claims, losses, liability, judgments, demands, expenses, costs, damages or harm suffered by any person whatsoever including negligence in compiling or disseminating information in the HLUI.
- 4. Copyright is reserved to the City.
- 5. Any use of the information provided from the HLUI which a third party makes, or any reliance on or decisions to be based on it, are the responsibilities of such third parties. The City, its employees, servants, agents, boards, officials or contractors accept no responsibility for any damages, if any, suffered by a third party as a result of decisions made as a result of an information search of the HLUI.
- 6. Any use of this service by the Requestor indicates an acknowledgement, acceptance and limits of this disclaimer.
- 7. All information collected under this request and all records provided in response to this request are subject to the provisions of the Municipal Freedom of Information and Protection of Privacy Act, R.S.O. 1990, c. M.56, as amended.

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# **APPENDIX 3**

**QUALIFICATIONS OF ASSESSORS** 

### Anna Graham, M.E.S.

# patersongroup

Geotechnical Engineering

Environmental Engineering

**Hydrogeology** 

Geological Engineering

**Materials Testing** 

**Building Science** 

Archaeological Services

### **POSITION**

**Environmental Assessor** 

#### **EDUCATION**

McGill University, B.Sc. 2010 Biology and English Literature

Queen's University, M.E.S. 2012 Environmental Studies

#### **EXPERIENCE**

2014 to Present

Paterson Group Inc.

Consulting Engineers Environmental Assessor

2013 to 2014

Civica Infrastructure Inc.

Municipal Water Resources Engineering - Vaughan Project Support Coordinator, Project Proposal Writer

#### **PROJECTS**

Environmental Impact Statements – various, Ottawa Phase I Environmental Site Assessments – various, Ottawa Flood Mapping Project Coordination – Credit Valley Conservation Authority Manhole Survey Tool Design and Data Processing – City of Markham Proposal Preparation – Utilities Kingston Inflow and Infiltration Study, City of Peterborough Drainage Study

### Mark S. D'Arcy, P. Eng.



Geotechnical Engineering

Environmental Engineering

Hydrogeology

Geological Engineering

**Materials Testing** 

**Building Science** 

Archaeological Services

#### **POSITION**

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

#### **EDUCATION**

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

#### **MEMBERSHIPS**

Ottawa Geotechnical Group Professional Engineers of Ontario

#### **EXPERIENCE**

1991 to Present

Paterson Group Inc.

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

#### **SELECT LIST OF PROJECTS**

Mary River Exploration Mine Site - Northern Baffin Island

Agricultural Supply Facilities - Eastern Ontario

Laboratory Facility – Edmonton (Alberta)

Ottawa International Airport - Contaminant Migration Study - Ottawa

Richmond Road Reconstruction - Ottawa

Billings Hurdman Interconnect - Ottawa

Bank Street Reconstruction - Ottawa

Environmental Review - Various Laboratories across Canada - CFIA

Dwyer Hill Training Centre - Ottawa

Nortel Networks Environmental Monitoring - Carling Campus - Ottawa

Remediation Program - Block D Lands - Kingston

Investigation of former landfill sites - City of Ottawa

Record of Site Condition for Railway Lands - North Bay

Commercial Properties - Guelph and Brampton

Brownfields Remediation - Alcan Site - Kingston

Montreal Road Reconstruction - Ottawa

Appleford Street Residential Development - Ottawa

Remediation Program - Ottawa Train Yards

Remediation Program - Bayshore and Heron Gate

Gladstone Avenue Reconstruction – Ottawa

Somerset Avenue West Reconstruction - Ottawa