Geotechnical Engineering

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Materials Testing

Building Science

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Phase I Environmental Site Assessment

56 Steacie Drive Ottawa, Ontario

Prepared For

Merkburn Holdings Limited

Paterson Group Inc.

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Report: PE4382-1



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EXECUTIVE SUMMARY

Assessment

A Phase I – Environmental Site Assessment was carried out for the property addressed 56 Steacie Drive, in the City of Ottawa, Ontario. The aforementioned property comprises of the Phase I Property. The purpose of this environmental assessment was to research the past and current use of the subject site and adjacent properties and identify any environmental concerns with the potential to impact the subject property.

Based on a review of historical sources, the Phase I Property has always been a vacant property. No historical potentially contaminating activities (PCAs) were identified on the Phase I Property. Surrounding properties were vacant properties until the 1980s, after which the surrounding properties were used primarily for commercial and residential purposes. No historical off-site PCAs were identified.

Following the historical review, a site visit was conducted. The Phase I Property remains vacant and undeveloped land. No potentially contaminating activities (PCAs) were identified on the Phase I Property. Fill material (native) from the adjacent property was identified on the subject property as mostly silty clay, fragments of concrete and some brick. Based on the known quality of the native fill material, it is not considered to pose an environmental concern to the subject property.

The surrounding land use consisted primarily of commercial and residential land. Two (2) offsite PCAs, a retail fuel outlet and a former railway line were identified within the commercial development. The retail fuel outlet is situated approximately 145 m north of the subject property. Based on the separation distance in combination with its recent construction, the retail fuel outlet is not considered to represent an APEC on the Phase I Property. Similarly, the former railway is situated approximately 90 m north of the subject property. Based on the separation distance and orientation (downgradient), the former railway is not considered to represent an APEC on the Phase I Property.

Conclusion

Based on the findings of the Phase I-ESA, it is our opinion that a Phase II-ESA is not required for the Phase I Property.



1.0 INTRODUCTION

At the request of Merkburn Holdings, Paterson Group (Paterson) conducted a Phase I - Environmental Site Assessment (Phase I ESA) for the property addressed at 56 Steacie Drive, 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. Peter Dooher from Merkburn Holdings Limited (Merkburn). Mr. Dooher can be reached by telephone at (613) 244-5464.

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

This Phase I ESA report has been prepared in general accordance with the requirements of Ontario Regulation 153/04 as amended by O.Reg. 269/11 (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: 56 Steacie Drive, Ottawa, Ontario.

Legal Description: Concession 3, Part of Lot 6, and Parts 3 of and 4.

Geographic Township of March, formerly City of

Kanata, now City of Ottawa.

Property Identification

Number (PIN): 045111581

Location: The site is located on the north side of Steacie Drive,

west of March Road in the City of Ottawa (Kanata), Ontario. Refer to Figure 1 - Key Plan in the Appendix

1.

Latitude and Longitude: 45° 20' 9" N, 75°54' 42" W

Site Description:

Configuration: Rectangular (approximate)

Site Area: 5950 m² (approximate)

Zoning: IP6 H(14) - Business Park Industrial Zone, Kanata

North Business Park.

Current Use: The Phase I Property is undeveloped land.

Services: The Phase I Property is situated in a municipally

serviced area.



3.0 SCOPE OF INVESTIGATION

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.

The scope of work for this Phase I - Environmental Site Assessment was as



4.0 RECORDS REVIEW

4.1 General

Phase I ESA Study Area Determination

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

First Developed Use Determination

Based on a review of historically available information, the Phase I Property has never been developed.

National Archives

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

City Directories from 1991 to 2010 were reviewed for the surrounding area of the subject property. The subject site has always been a vacant lot. The surrounding properties were first listed in 1991 as either commercial or industrial. The directories search did not identify any potential environmental concerns with respect to the subject site or surrounding properties.

Plan of Subdivision

A Plan of Subdivision prepared by Fairhall Moffatt & Woodland and dated September 20, 2002 was reviewed as part of this assessment. The plan depicts the Phase I Property in its current configuration.



4.2 Environmental Source Information

Environment Canada

A search of the National Pollutant Release Inventory (NPRI) was conducted electronically on July 12, 2018. No properties within the Phase I Study Area were listed in the NPRI database. The NPRI reported a medical imagining equipment manufacturing company, Best Theratronics Limited (413 March Road), releasing lead and its compounds into the air (approximately 0.012 kg), 190 m northwest of the subject site. Due to the separation distance, the medical imagining equipment manufacturing company is considered not to represent an APEC to the Phase I Property. Land use within the Phase I Study Area is shown on Drawing PE4382-2 – Surrounding Land Use Plan in the Figures section of this report, following the text.

PCB Inventory

A search of national PCB waste storage sites was conducted. No PCB waste storage sites were identified on the Phase I Property or within the Phase I Study Area.

Ontario Ministry of Environment and Climate Change (MOECC) Instruments

A request was submitted to the MOECC Freedom of Information office for information with respect to certificates of approval, permits to take water, certificates of property use or any other similar MOECC issued instruments for the site. Based on the MOECC response dated July 18, 2018, no records were identified for the Phase I Property. A copy of the MOECC response is provided in Appendix 2.

MOECC Coal Gasification Plant Inventory

The Ontario Ministry of Environment and Climate Change 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 in the Phase I Study Area.



MOECC Incident Reports

A request was submitted to the MOECC Freedom of Information office for information with respect to records concerning environmental incidents, orders, offences, spills, discharges of contaminants or inspections maintained by the MOECC for the site or adjacent properties. Based on the MOECC response dated July 18, 2018, no records were identified for the Phase I Property. A copy of the MOECC response is provided in Appendix 2.

MOECC Waste Management Records

A request was submitted to the MOECC Freedom of Information office for information with respect to waste management records. Based on the MOECC response dated July 18, 2018, no records were identified for the Phase I Property. A copy of the MOECC response is provided in Appendix 2.

MOECC Submission

A request was submitted to the MOECC Freedom of Information office for information with respect to reports related to environmental conditions for the property. Based on the MOECC response dated July 18, 2018, no records were identified for the Phase I Property. A copy of the MOECC response is provided in Appendix 2.

MOECC Brownfields Environmental Site Registry

A search of the MOECC Brownfields Environmental Site Registry (ESR) was conducted as part of this assessment for the site, neighbouring properties and the general area of the site. No Records of Site Condition (RSCs) were filed for the Phase I Property. There are no RSCs listed for properties within the Phase I Study Area.

MOECC Waste Disposal Site Inventory

The Ontario Ministry of Environment and Climate Change 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. No records were listed for the Phase I Property or for properties within the Phase I Study Area.



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 July 12, 2018. No areas of natural significance were identified on the Phase I Property or within the Phase I Study Area.

Technical Standards and Safety Authority (TSSA)

The TSSA, Fuels Safety Branch in Toronto was contacted electronically on July 12, 2018 to inquire about current and former underground storage tanks, spills and incidents for the site and neighbouring properties. Based on the TSSA response, two (2) records were identified in the Phase I Study Area, a retail fuel outlet (401 March Road) and a cylinder exchange depot (4048 Carling Avenue). Both represent PCAs in the Phase I ESA Study Area but are not considered to represent APECs on the Phase I ESA property. The retail fuel outlet is a very recent retailer and is located down gradient from the subject property. The cylinder exchange depot would not pose a risk to the subject property. A copy of the TSSA correspondence is provided in Appendix 2.

City of Ottawa Landfill Document

The document entitled "Old Landfill Management Strategy, Phase I – Identification of Sites, City of Ottawa", was reviewed. No landfill sites were identified within the Phase I Study Area.

City of Ottawa Historical Land Use Inventory (HLUI)

A requisition form was sent to the City of Ottawa to request information from the City's Historical Land Use Inventory (HLUI 2005) database for the subject property. Based on the City of Ottawa historical land use inventory (HLUI), several electronic/computer companies and an apparent metal fabrication company were identified in the adjacent properties (62 and 44 Steacie Drive). Based on the interview with the property owner, both properties have been used strictly for office spaces over the last twenty (20) years. A copy of the City of Ottawa HLUI is provided in Appendix 2.



Previous Reports

The following report was reviewed prior to conducting this assessment:

"Phase I - Environmental Site Assessment, Commercial Property at 48, 52, and 56 Steacie Drive, Ottawa, Ontario", prepared by Paterson Group, dated May 30, 2014.

The historical data research for this site indicated that the property has always been vacant. The adjacent properties were developed in the 1980s for commercial use. No current or historical activities, operations, or tenants of the commercial properties were identified a potential environmental concern to the subject property at the time of the assessment. As a result, a Phase II ESA was not recommended.



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 to the first available air photos for the sites. Based on the review, the following observations have been made:

- The Phase I Property and Study Area appear as vacant properties surrounded by agricultural properties. March Road is apparent in this aerial photograph.
- The neighbouring property to the north has been developed with a commercial building and a paved parking lot. The surrounding area to the east and west of the subject property appears vacant. Residential development is apparent south and south east of the subject property. A building is apparent east of March Road. No changes are apparent to the Phase I Property.
- No significant changes are apparent on the Phase I Property.
- New roadways and an increase in commercial density is noticeable in the greater surrounding area of the Phase I Property. No significant changes are apparent on the Phase I Property or immediately adjacent lands.
- The adjacent property east of the Phase I Property is under construction with what appears to be a new building addition. As a result of gaining access to the adjacent property, the Phase I Property appears to have been partially stripped of vegetation and placed with fill from the adjacent east property. No significant changes are apparent in the surrounding area.
- No significant changes are apparent to the Phase I Property or the surrounding area.
- No significant changes are apparent to the Phase I Property and Study Area, with the exception of a new commercial development north of the Phase I Property.

Copies of selected aerial photographs listed above are included in the Appendix.



Topographic Maps

Topographic information was obtained from Natural Resources Canada – The Atlas of Canada website. The topographic maps indicate that the elevation of the subject site is approximately 90 m above sea level. The regional topography slopes downward to the north towards the Ottawa River. An illustration of the referenced topographic map is presented on Figure 2 – Topographic Map, appended to this report.

Physiographic Maps

A Physiographic Map was reviewed from the Natural Resources Canada – The Atlas of Canada website, as a part of this assessment. According to the publication and mapping, the site is situated within the St. Lawrence Lowlands, Till Plains (Drumlinized) physiographic region. According to the mapping description provided: "The lowlands are plain-like areas that were all affected by the Pleistocene glaciations and are therefore covered by surficial deposits and other features associated with the ice sheets." The subject site is in the Central St. Lawrence Lowland, "where the land is rarely more than 150 m above sea level, except for the Monteregion Hills, which consist of intrusive igneous rocks."

Geological Maps

The Geological Survey of Canada website on the Urban Geology of the National Capital Area was consulted as part of this assessment. Based on this information, the bedrock in area of the Phase I Property consists of non carbonate quartzite and granitic origin paragneiss, surficial geology consists of marine deposits, clay and silt with a drift thickness of up to approximately15 m below grade.

Water Well Records

A search of the MOECCs web site for all drilled well records within 250 m of the subject site was conducted on July 12, 2018. Based on the search results, there were no well records for the Phase I Property, however, four (4) well records were identified at 65 March Road (monitoring wells) within the Phase I Study Area.

Water Bodies and Areas of Natural Significance

No areas of natural significances (ANSIs) or bodies of water were present on the Phase I Property or are known to exist within the Phase I Study Area. Beaver Pond is the closest water body at approximately 400 m to the south west of the Phase I Property.



5.0 INTERVIEWS

Mr. Peter Dooher (Merkburn), property manager of the subject property was interviewed by email. Merkburn has owned the subject property as well as the adjacent properties (62 and 44 Steacie Drive). During an exchange of emails, Mr. Dooher addressed the presence of fill material that was identified during the site visit on the subject property. He noted that the fill material is native to the adjacent properties (silty-clay). Sparse fragments of concrete and bricks that were identified during the site visit were left over from the development of the adjacent property, 44 Steacie Drive. Mr. Dooher is not aware of any aboveground or underground storage tanks, spills, or any other environmental concerns with respect to the subject site.

6.0 SITE RECONNAISSANCE

6.1 General Requirements

The site assessment was conducted on July 17, 2018. Weather condition was sunny, with a temperature of approximately 32°C. Personnel from the Environmental Department of Paterson Group conducted the site visit. In addition to the Phase I Property, the uses of neighbouring properties within the Phase I Study Area were also assessed at the time of the site visit.

6.2 Specific Observations at Phase I Property

Buildings and Structures

No buildings or permanent structures exist on the Phase I Property. A manhole was located along the south west property next to Steacie Drive. Broken concrete and slabs of concrete were noticed throughout the property. No signs of disturbed soil or distressed vegetation.

The Phase I Property is depicted on Drawing PE4382-1 – Site Plan, in the Figures section of this report.

Underground Utilities

The Phase I Property is situated in a municipally serviced area, although the Phase I Property itself is not currently serviced. It is our understanding that municipal services will be provided to the site at the time of development.



Site Features

As noted above, the Phase I Property is not developed with any buildings or permanent structures. The entire subject property is covered with an overgrowth of grass and shrubs. Some concrete fragments and building materials were scattered and partially buried throughout the entire Phase I Property.

Drainage on site consists primarily surficial infiltration with some sheet drainage to the ditch along Steacie Drive. No standing water or evidence of surficial staining was observed along the perimeter of the Phase I Property at the time of the site visit.

No aboveground storage tanks were noted on the Phase I Property. No signs of underground fuel storage tanks were observed at the time of the site visit.

No underground structures were noted on the Phase I Property. No wells or private sewage systems were observed onsite, nor are any expected to be present, as the site has never ben developed. The above-noted site features are shown on Drawing PE4382-1 - Site Plan.

Fill Material

As noted above, fill material was present on the subject property – sparse fragments of concrete and bricks. As discussed previously, the fill material is native to the adjacent properties.

Phase I Study Area

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 –	Commercial building, accommodating a mail delivery courier company, followed by a former rail line;
East –	Child Learning Centre, followed by a commercial office building;
South -	Steacie Drive, followed by park grounds and residential;
West -	Commercial office building, accommodating a mail delivery courier company and a technology company, followed by park grounds.

The current use of the immediately adjacent properties is not considered to pose an environmental concern to the Phase I Property. A retail fuel outlet present



further to the north at 401 March Road is considered a PCA, however it is not considered to pose a risk to the subject property based on its very recent construction and downgradient location. A medical imagining equipment manufacturing company (413 March Road) is also considered a PCA, however due to its separation distance and release of pollutant (by air), it is not considered to pose a risk to the subject property.

Land use within the Phase I Study Area is shown on Drawing PE4382-2 – Surrounding Land Use Plan in the Figures section of this report, following the text.

7.0 REVIEW AND EVALUATION OF INFORMATION

7.1 Land Use History

The Phase I Property has always been vacant and undeveloped land. The surrounding Phase I Study Area has been partially developed for commercial, north, east and west of the subject property. South of the subject area has been developed for residential.

Potentially Contaminating Activities (PCAs)

No potentially contaminating activities (PCAs) were identified on the Phase I Property. Fill material was identified as fragments of concrete and construction material. Based on the 2002 aerial photograph, it appears that the fill material was from the adjacent east property while it was under development, and thus not considered to pose a concern to the property.

Three (3) PCAs were identified within the Phase I Study Area: a retail fuel outlet approximately 160m north of the site (401 March Road), a medical imaging equipment manufacturing company approximately 190 m north west of the site (413 March Road), and a former rail line approximately 120 m north of the site.

Based on the separation distance and the recent construction of the retail fuel outlet and the medical imagining equipment manufacturing company is not considered to represent Area of Potential Environmental Concern (APEC) on the Phase I Property. Similarly, the former rail line is not considered to pose an APEC to the subject property due to separation distance, age and the inactive use of the railway. Land use within the Phase I study area is presented on Drawing PE4382-2 – Surrounding Land Use Plan.



Areas of Potential Environmental Concern (APECs)

No Areas of Potential Environmental Concern (APECs) were identified on the Phase I Property or Phase I Study Area.

Contaminants of Potential Concern (CPCs)

No contaminants of concern (CPCs) were identified on the Phase I Property.

7.2 Conceptual Site Model

Existing Buildings and Structures

No buildings or permanent structures exist on the Phase I Property. A manhole was located along the south west portion of the subject property adjacent to Steacie Drive.

Geological and Hydrogeological Setting

According to mapping provided on the Geological Survey of Canada website, the Phase I Property is in an area of non carbonate quartzite with a surficial geology of marine deposits of clay and silt. Drift thickness is 10 to 15 m. Groundwater is expected to flow in the northward direction towards the Ottawa River.

Water Bodies

There are no bodies of water on the Phase I Property. The closest water body is Beaver Pond at approximately 400 m to the south west of the Phase I Property.

Areas of Natural Significance

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

Water Wells

A search of the MOECC's web site for all drilled well records within 250 m of the subject site was conducted on July 12, 2018. Based on the search results, there were no well records for the Phase I Property, however, four (4) groundwater wells records were found within the Phase I Study Area, addressed 365 March Road (4 monitoring wells). All 4 wells are located downgradient from the Phase I Property.

Based on the search results, there were no well records for the Phase I Property, however, four (4) well records were found for the Phase I Study Area.



Neighbouring Land Use

Neighbouring land use in the Phase I Study Area is both residential and commercial.

Potentially Contaminating Activities and Areas of Potential Environmental Concern

As per Section 7.1 of this report, no PCAs were identified on the Phase I Property. Three (3) off-site PCAs were identified within the Phase I Study Area: a retail fuel outlet approximately 160m north of the site (401 March Road), a medical imaging equipment manufacturing company approximately 190 m north west of the site (413 March Road), and a former rail line approximately 120 m north of the site. All off site PCAs are not considered to represent APECs to the Phase I Property. No other PCAs were identified within the Phase I Study Area.

Contaminants of Potential Concern

No CPCs were identified on the Phase I Property.

Assessment of Uncertainty and/or Absence of Information

The information available for review as part of the preparation of this Phase I ESA is considered to be sufficient to conclude that there are no PCAs that are considered to result in APECs on the Phase I Property. The PCAs were confirmed by a variety of independent sources, and as such, the conclusions of this report are not affected by uncertainty which may be present with respect to the individual sources.



8.0 CONCLUSION

Assessment

A Phase I – Environmental Site Assessment was carried out for the property addressed 56 Steacie Drive, in the City of Ottawa, Ontario. The aforementioned property comprises of the Phase I Property. The purpose of this environmental assessment was to research the past and current use of the subject site and adjacent properties and identify any environmental concerns with the potential to impact the subject property.

Based on a review of historical sources, the Phase I Property has always been a vacant property. No historical potentially contaminating activities (PCAs) were identified on the Phase I Property. Surrounding properties were vacant properties until the 1980s, after which the surrounding properties were used primarily for commercial and residential purposes. No historical off-site PCAs were identified.

Following the historical review, a site visit was conducted. The Phase I Property remains vacant and undeveloped land. No potentially contaminating activities (PCAs) were identified on the Phase I Property. Fill material (native) from the adjacent property was identified on the subject property as mostly silty clay, fragments of concrete and some brick. Based on the known quality of the native fill material, it is not considered to pose an environmental concern to the subject property.

The surrounding land use consisted primarily of commercial and residential land. Two (2) offsite PCAs, a retail fuel outlet and a former railway line were identified within the commercial development. The retail fuel outlet is situated approximately 145 m north of the subject property. Based on the separation distance in combination with its recent construction, the retail fuel outlet is not considered to represent an APEC on the Phase I Property. Similarly, the former railway is situated approximately 90 m north of the subject property. Based on the separation distance and orientation (downgradient), the former railway is not considered to represent an APEC on the Phase I Property.

Conclusion

Based on the findings of the Phase I-ESA, it is our opinion that a Phase II-ESA is not required for the Phase I Property.



9.0 STATEMENT OF LIMITATIONS

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

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

This report was prepared for the sole use of Merkburn Holdings Limited (Merkburn). Permission and notification from Merkburn and Paterson Group will be required to release this report to any other party.

Paterson Group Inc.

Mandy Witteman, M.A.Sc

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

Report Distribution:

- Merkburn Holdings Limited
 - Paterson Group Inc.





10.0 REFERENCES

Federal Records

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

National Archives.

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

Natural Resources Canada – The Atlas of Canada.

Environment Canada, National Pollutant Release Inventory.

PCB Waste Storage Site Inventory.

Provincial Records

MOECC Freedom of Information and Privacy Office.

MOECC Municipal Coal Gasification Plant Site Inventory, 1991.

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

MOECC Brownfields Environmental Site Registry.

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

MNRF Areas of Natural Significance.

MOECC Water Well Inventory.

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

Municipal Records

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

The City of Ottawa Historical Land Use Inventory.

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

The City of Ottawa eMap website.

Local Information Sources

Previous Engineering Reports.

Plan of Subdivision, Fairhall Moffatt & Woodland (September 20, 2002)

Public Information Sources

Google Earth.

Google Maps/Street View.

FIGURES

FIGURE 1 – KEY PLAN

FIGURE 2 – TOPOGRAPHIC MAP

DRAWING PE4382-1 – SITE PLAN

DRAWING PE4382-2 – SURROUNDING LAND USE PLAN

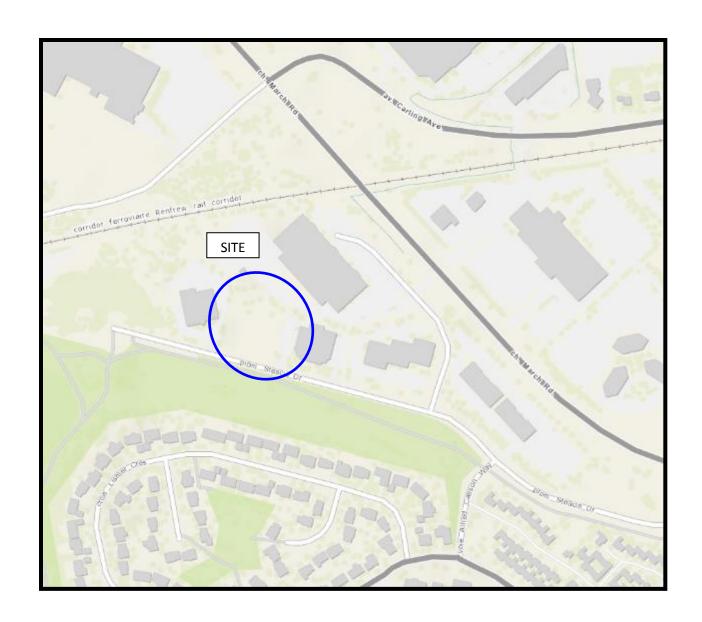


FIGURE 1
KEY PLAN

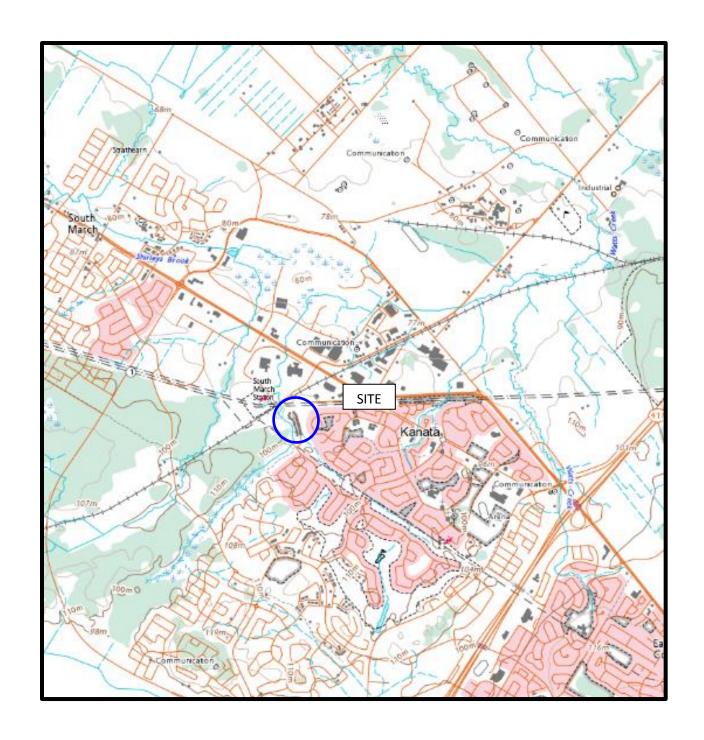
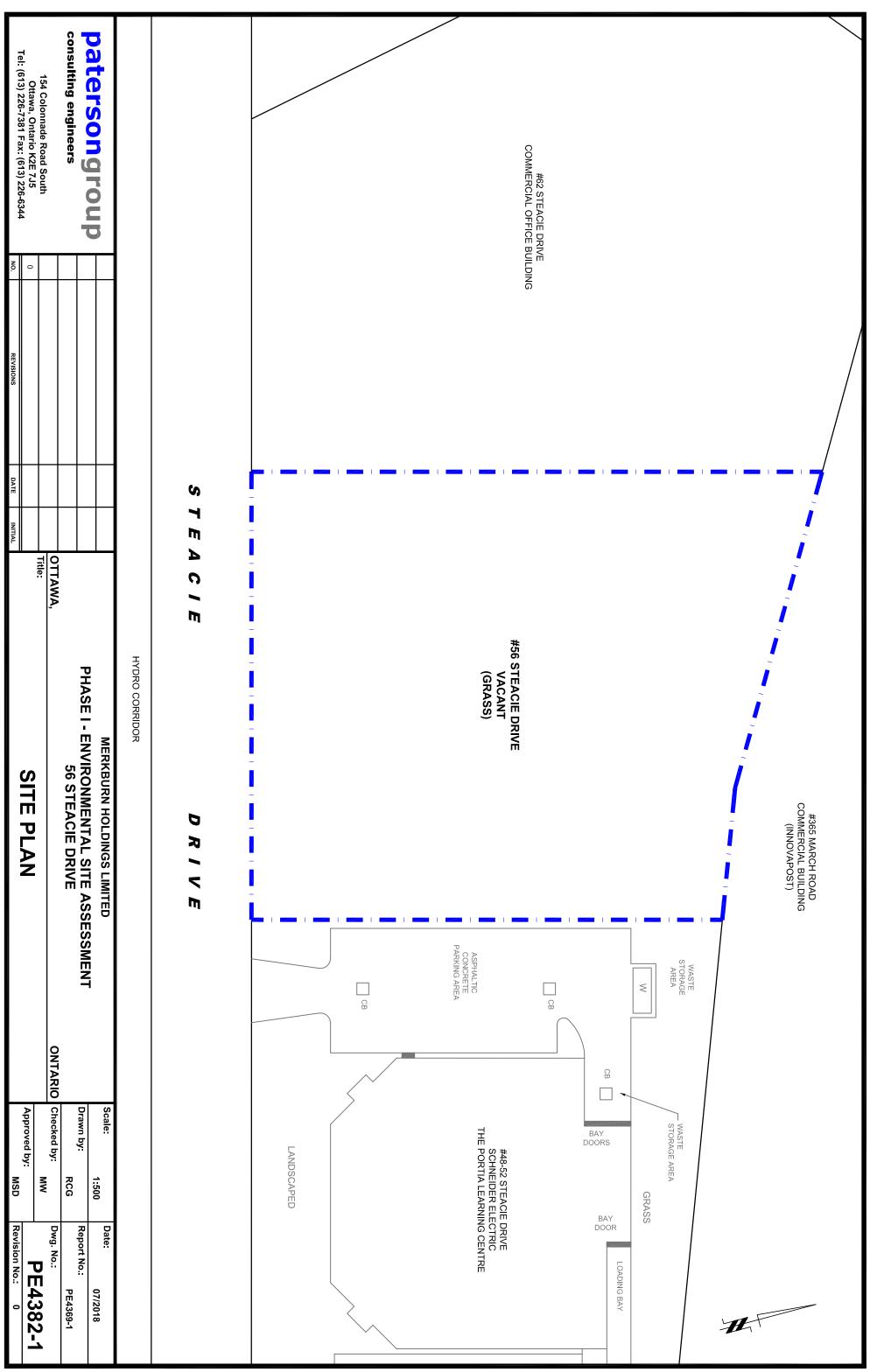
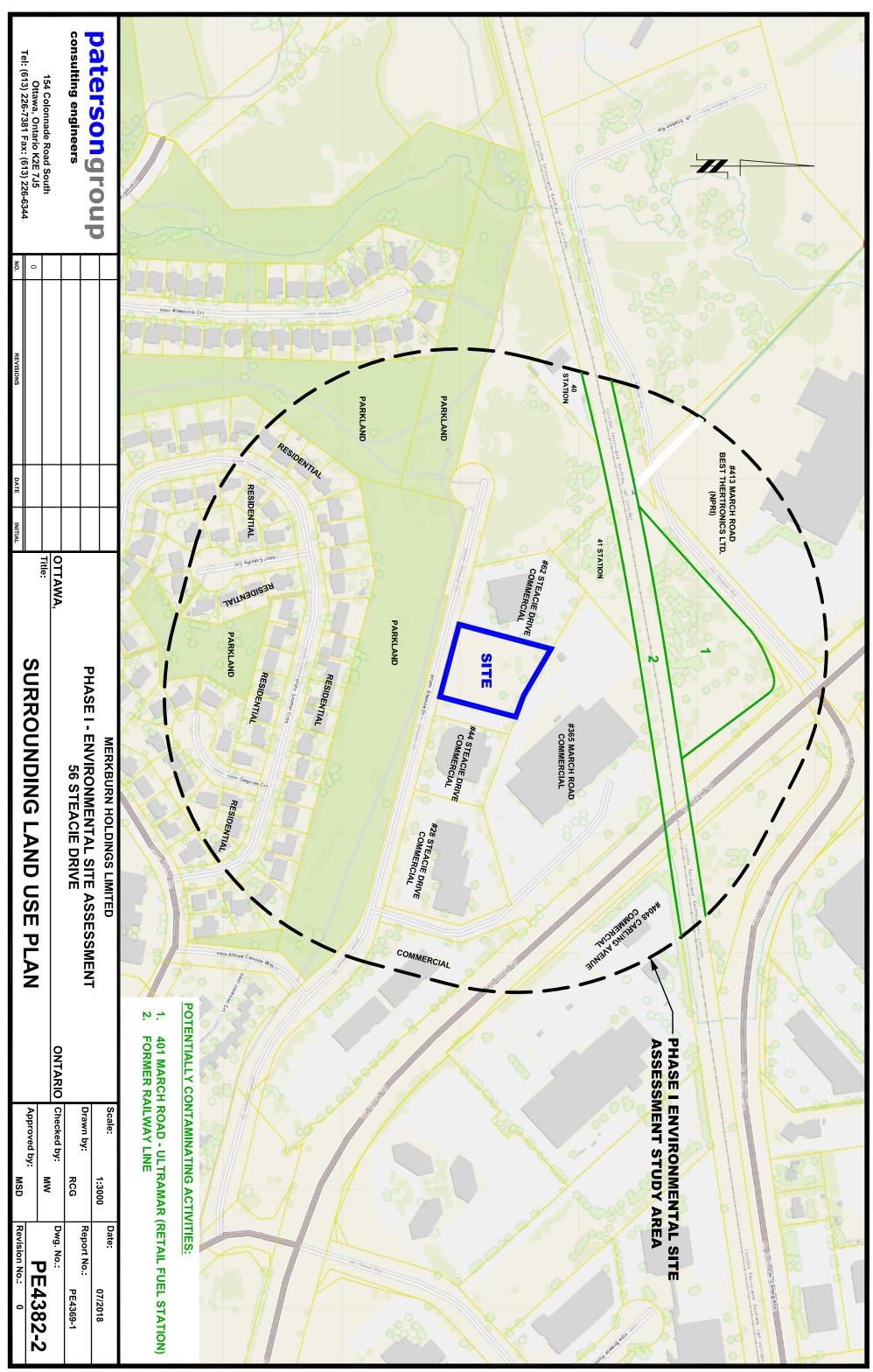


FIGURE 2
TOPOGRAPHIC MAP

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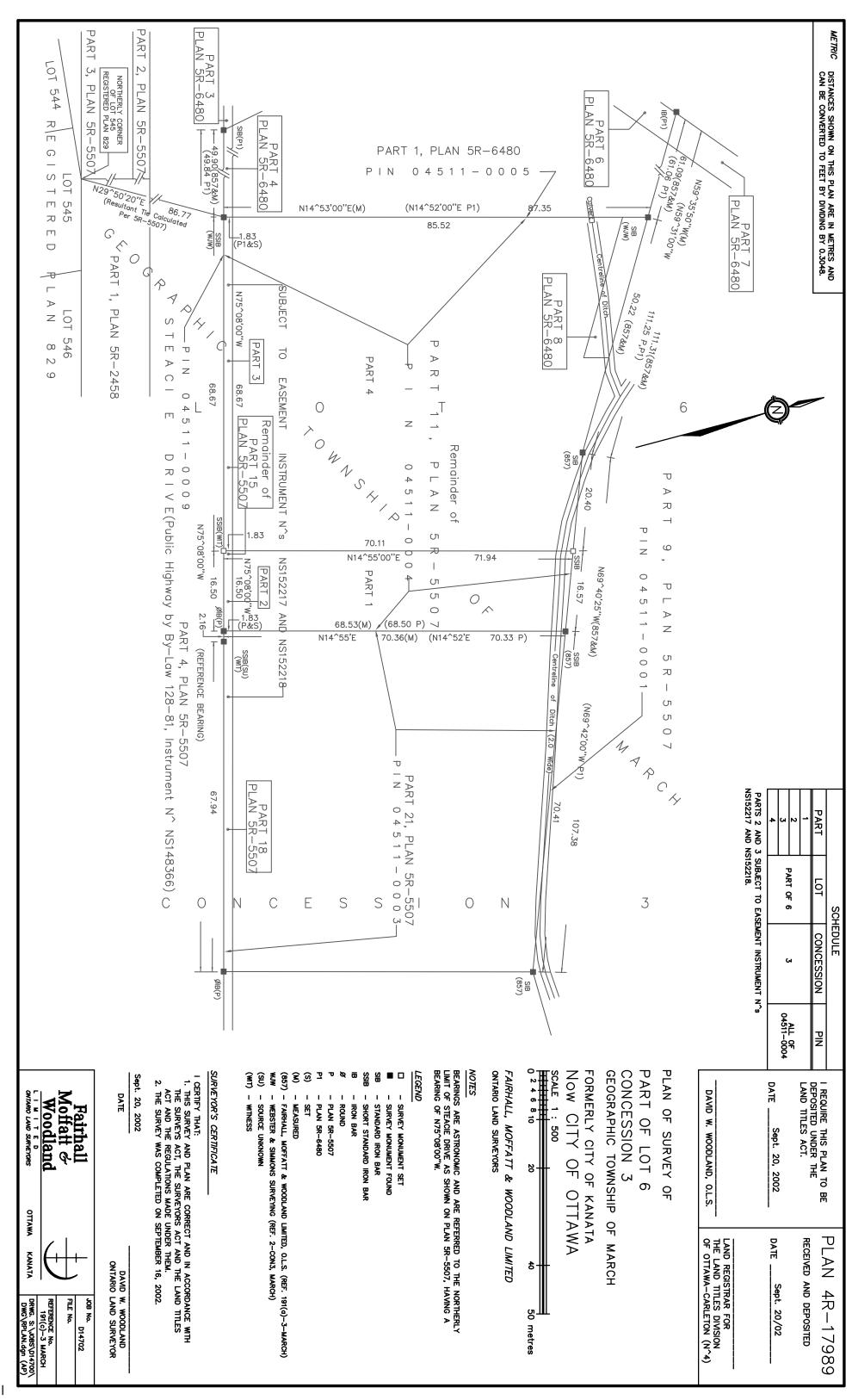


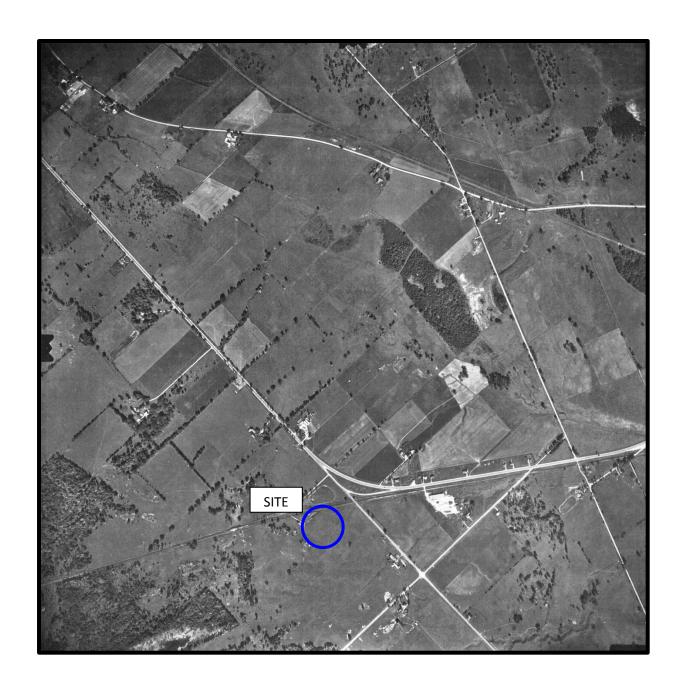
APPENDIX 1

PLAN OF SUBDIVISION

AERIAL PHOTOGRAPHS

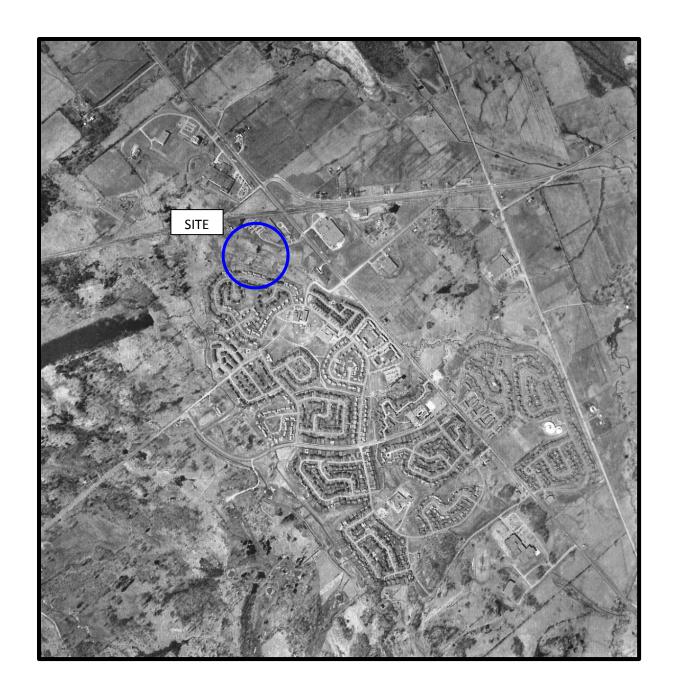
SITE PHOTOGRAPHS



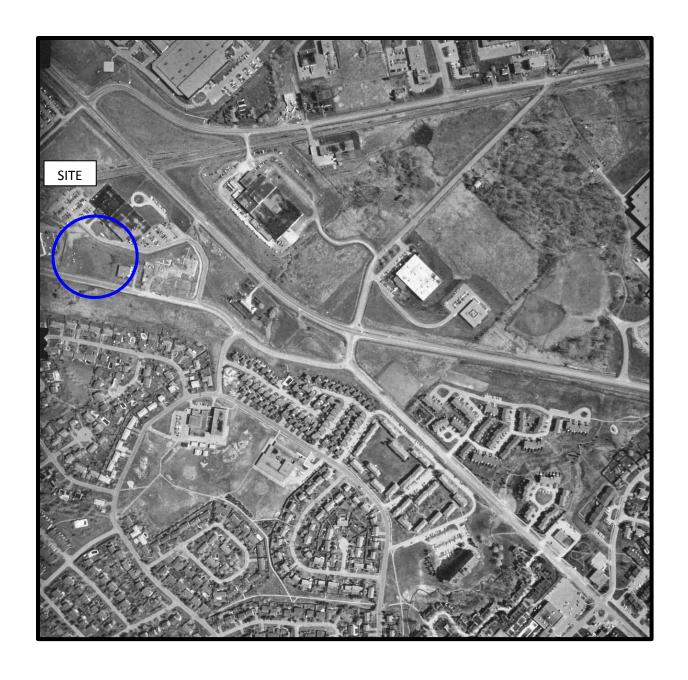


AERIAL PHOTOGRAPH 1963

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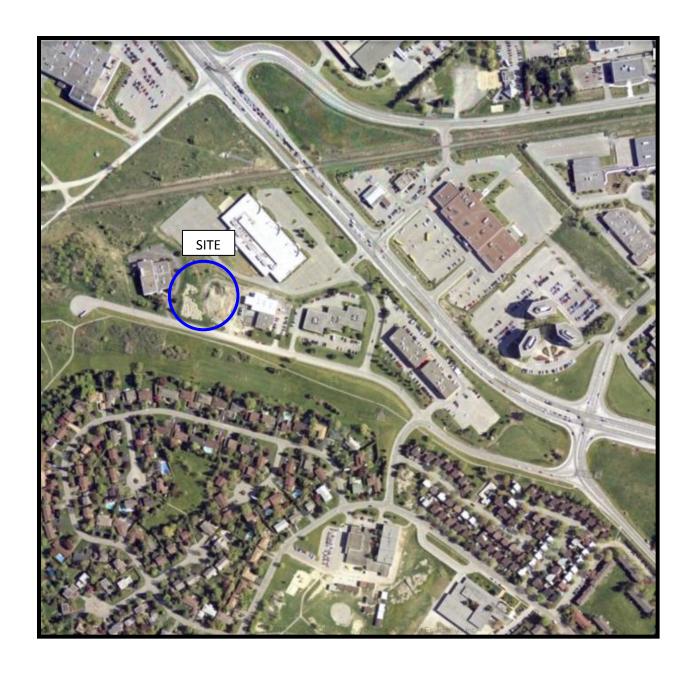


AERIAL PHOTOGRAPH 1973





AERIAL PHOTOGRAPH 1994









Photograph 1: View of the west end of the subject site, looking north.



Photograph 2: View of the north east side of the subject property, looking onto the adjacent property (44 Steacie Drive).



Photograph 3: View of the south end of the subject site, looking south east along Steacie Drive.



Photograph 4: View of the south west end of the subject property, looking north west along Steacie Drive.



Photograph 5: View of the north side of the subject property, looking onto the March Road.



Photograph 6: View of the central part of the subject site, looking south east onto Steacie Drive.

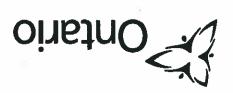
APPENDIX 2

MOECC FREEDOM OF INFORMATION SEARCH REQUEST

MOECC WATER WELL RECORDS

TSSA REQUEST

HISTORICAL LAND USE INVENTORY (HLUI)



July 18, 2018

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

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

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

> Ministry of the Environment, Conservation and Parks

Freedom of Information and Protection of Privacy Office

12" Floor 40 St. Clair Avenue West Toronto ON MAY 1M2 Tel: (416) 314-4075

Dear Michael Beaudoin:

Michael Beaudoin Paterson Group Inc 154 Colonnade Road Ottawa, ON K2E 715

지는: Freedom of Information and Protection of Privacy Act Request Our File # A-2018-04574, Your Reference PE4382

This letter is in response to your request made pursuant to the Freedom of Information and Protection of Privacy Act relating to 56 Steacie Drive, Ottawa.

After a thorough search through the files of the Ministry's Ottawa District Office, Investigations and Enforcement 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 1 hour of search time @ \$30.00 per hour. We have applied the \$30.00 for 1 hour of search time @ \$30.00 per hour. We have applied the \$30.00 for 1 hour of search time @ \$30.00 per hour.

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 Nasreen Salar at nasreen.salar@ontario.ca.

Janet Dadufalza FOI Manager

Ygurs truly,

Well Record Ontario Well Tag No. (Place Sticker and/or Print Below) A104508 Regulation 903 Ontario Water Resources Act the Environment 1944 Page Well Owner's Information Last Name / Organization ☐ Well Constructed by Well Owner E-mail Address First Name Amira (Street Number/Name) Alacros Morguaro Investments lint Postal Code Telephone No. (inc. area code) 55 City Centre de Suite 800 Mississaura 15B1M3 Concession Address of Well Location (Street Number/Name) Township 365 March County/District/Municipality Postal Code Province City/Town/Village offawa Municipal Plan and Sublot Number Ontario UTM Coordinates Zone Easting Northing NAD 8 3 18 4286315020795 Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form) Depth (m/ft) Other Materials General Description Most Common Material From General Colour Soft, dry Soft. Ury Soft. Wet 0 .61 Ban Top soil .61 Clay 3.66 BRN 3.66 10.36 Results of Well Yield Testing Annular Space Draw Down Type of Sealant Used (Material and Type) Volume Placed After test of well yield, water was: Recovery Depth Set at (m/ft) Time Water Level Time Water Level (m²/ft²) Clear and sand free (min) (m/ft) Other, specify (m/ft) (min) 0 .31 Concrete, flushmount Static If pumping discontinued, give reason: Benseal Level .31 9.98 1 1 Sand Pump intake set at (m/ft) 2 3 Pumping rate (I/min / GPM) Well Use Method of Construction 4 4 Diamond Public Commercial ☐ Not used Cable Tool Duration of pumping Rotary (Conventional) Dewatering
Monitoring Domestic Municipal Jetting 5 hrs + Xest Hole min Driving Rotary (Reverse) Livestock Final water level end of pumping (m/ft) Boring Cooling & Air Conditioning ☐ Digging Irrigation 10 10 Air percussion
Tother, specify Industrial Direct Push Other, specify 15 15 If flowing give rate (I/min / GPM) Status of Well Construction Record - Casing 20 Inside Depth (m/ft) Open Hole OR Material ☐ Water Supply Recommended pump depth (m/ft) Wall (Galvanized, Fibreglass, Concrete, Plastic, Steel) Thickness Replacement Well 25 25 From To (cm/in) Yest Hole Recommended pump rate (Vmin / GPM) 30 DUC Recharge Well 30 4.03 .368 0 4.24 Dewatering Well 40 40 ☐ Xbservation and/or Monitoring Hole Well production (Umin / GPM) 50 50 Alteration (Construction) Disinfected? Yes No 60 Abandoned, Insufficient Supply Map of Well Location Construction Record - Screen Abandoned, Poor Please provide a map below following instructions on the back. Outside Depth (m/ft) Water Quality Material (Plastic, Galvanized, Steel) Diameter (cm/in) Slot No. Abandoned, other, specify From To 4.82 427 10.36 10 Other, specify See Map **Hole Diameter** Water Details Depth (m/ft) m To Water found at Depth Kind of Water: Fresh Untested Diameter (cm/in) (m/ft) Gas Other, specify 10.36 8.25 Water found at Depth Kind of Water: Fresh Untested 0 (m/ft) Gas Other, specify Water found at Depth Kind of Water: Fresh Untested (m/ft) Gas Other, specify Well Contractor and Well Technician Information Business Name of Well Contractor
Strata Soil Sampling Inc.

Comments: Municipality Richmond Hil

package

delivered

Province Ontario Postal Code L4B 1C6 Wrecords@stratasoil.com/well owner's Information Postal Code Wrecords@stratasoil.com/well owner's Information Postal C Date Package Delivered YYY MMD

Date Work Completed

Ministry Use Only Audit No z120949

905-764-9304 Multi-Mike
Well Technician's Licence No. Signature of Technician and/or Contractor Date Submitted
3 4 4 8 Milliam Reliable 20101110 20101033 0506E (2007/12)

Name of Well Technician (Last Name, First Name)

Business Address (Street Number/Name) 147-2 West Beaver Creek Road

Ministry's Copy

Ontario Well Record Well Tag No. (Place Sticker and/or Print Below) Ministry of Regulation 903 Ontario Water Resources Act the Environment A104487 A104487 1944 Page 2 Well Owner's Information Last Name / Organization □ Well Constructed First Name Amira Valacius Morquard investment Link by Well Owner Mailing Address (Street Number/Name) Municipality Province Postal Code Telephone No. (Inc. area code) 02 55 Centre City Suite 800 Mississauge 15B1B3 Concession Address of Well Location (Street Number/Name) Township 365 March County/District/Municipality City/Town/Village Postal Code Province Ontario Municipal Plan and Sublot Number UTM Coordinates Zone Easting Northing NAD 8 3 1 8 4 28 6 8 5 0 20 8 21 Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form) Depth (m/ft) General Description Most Common Material Other Materials From General Colour Soft dry Soft dry Soft wet 0 .61 BRN Top Soil bravel 61 3.66 Clay 7.32 Results of Well Yield Testing Annular Space Type of Sealant Used (Material and Type) After test of well yield, water was: Depth Set at (m/ft) Volume Placed Draw Down Recovery Time Water Level Time Water Level (m3/ft3) Clear and sand free (min) (m/ft) Concrete Plushmount (m/ft) (min) Other, specify Static If pumping discontinued, give reason: Level 2.44 1 1 Pump intake set at (m/ft) 2 3 3 Pumping rate (I/min / GPM) Method of Construction Well Use 4 4 ☐ Commercial ☐ Diamond ☐ Not used Duration of pumping ☐ Municipal ☐ Test Hole Rotary (Conventional) Jetting ☐ Domestic Rewatering 5 5 hrs + min Driving Monitoring Rotary (Reverse) Livestock Cooling & Air Conditioning Boring Final water level end of pumping (m/ft) Digging ☐ Irrigation 10 10 Air percussion Direct Push ☐ Industrial ther, specify Other, specify 15 15 If flowing give rate (Vmin / GPM) Status of Well Construction Record - Casing 20 20 Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel) Inside Depth (m/ft) ☐ Water Supply Recommended pump depth (m/ft) Wall Diamete (cm/in) Thickness Meplacement Well 25 From To (cm/in) Test Hole Recommended pump rate (I/min / GPM) 30 DUC 30 Recharge Well 2.74 4.03 .368 Dewatering Well
 Observation and/or 40 40 Well production (Vmin / GPM) Monitoring Hole 50 50 Alteration Disinfected? (Construction) 60 60 Abandoned, Insufficient Supply Yes No Abandoned, Poor Water Quality Map of Well Location Construction Record - Screen Please provide a map below following instructions on the back. Outside Depth (m/ft) Diamete (cm/in) Slot No. Abandoned, other, specify (Plastic, Galvanized, Steel) From To 2.74 7.32 4.82 10 See Map Other, specify Water Details Hole Diameter Depth (m/ft) Water found at Depth Kind of Water: Fresh Untested Diameter From (cm/in) (m/ft) Gas Other, specify 825 Water found at Depth Kind of Water: Fresh Untested 7.32 (m/ft) Gas Other, specify Water found at Depth Kind of Water: Fresh Untested (m/ft) Gas Other, specify Well Contractor and Well Technician Information Business Name of Well Contractor Strata Soil Sampling Inc. Well Contractor's Ligence No. Business Address (Street Number/Name)
147-2 West Beaver Creek Road Municipalitymond Hill Pomments: Well owner's information package delivered Date Package Delivered Ministry Use Only Z120994 YYYMMDDD Date Work Completed YesX 20100022 Ministry's Copy

Wall Tan No (Place Sticker and/or Print Below)

Well Record

Regulation 903 Ontario Water Resources Act

Ministry of the Environment A104488 A104488

365 March Rd County/District/Municipality City					Township City/Town/Village			Provinc		Postal	Code		
NAD	nates Zone E	1121816	655		158 M	Kanat unicipal Plan	and Sublo			Onta	irio		
	and the same of th			ment Sea		d (see instruction of Materials	ctions on the	back of this form)	General Description				oth (m/ft)
General Co	olour M	lost Comm	on Material	-	Otne	r Materials			General Description			From	То
BIK			5011		- 11			soft.	ary			0	- 6/
Bon) (Clay			Silt.		Soft dry			61	3.35		
6y day					Soft, moist			335	4.88				
Gry Clay					Soft,	wet			4.88	8.89			
			Annular	Space					Results of We	II Yiel	d Testin	g	
Depth Se	et at (m/ft)		Type of Sea (Material and			Volume (m³/		After test of well Clear and s	yield, water was:	-	aw Down Water Le	_	Recovery Water Level
		C .	rete 18		+	- Inn	",	Other, spec		(min)	(m/ft)	(min)	(m/ft)
0	3.98		enseal	respira	747			If pumping disco	ontinued, give reason:	Static Level			7
294	8.89		and					Pump intake se	at at (ma/ff)	1		1	
9.10	0.07							Pump intake se	st at (mint)	2		2	
Meth	hod of Const	truction			Well Use	9		Pumping rate (I	Vmin / GPM)	3		3	
Cable To		Diamond	The state of the s		Commer	cial 🔲	Not used	Duration of pun	mping	4		4	
Rotary (C	Conventional) Reverse)	☐ Jetting ☐ Driving	Do		Municipa Pest Hole		Dewatering Monitoring	hrs +	min	5		5	
Boring Air percu	mala.	Digging	☐ Irrig		Cooling 8	& Air Conditio	ning	Final water level	l end of pumping (m/ft)	10		10	
Mther, sp		ect Pu		ustrial ier, specify _				If flowing give n	ate (I/min / GPM)	15		15	
	Const	ruction Re	ecord - Cas	-		Status	of Well			20		20	
Inside Diameter	Open Hole O (Galvanized, I	Fibreglass,	Wall Thickness		(m/ft)	☐ Water S ☐ Replace		Recommended	l pump depth (m/ft)	25		25	
(cm/in)	Concrete, Pla	stic, Steel)	(cm/in)	From	To	Test Ho	le	Recommended	pump rate	30		30	
4.03	PUC		1368	0	2,74	Recharg Dewater		(I/min / GPM)					
						Monitorin		Well production	(Vmin / GPM)	40		40	
						Alteratio	n	Disinfected?		50		50	
						(Constru	ned,	Yes N	No	60		60	
	Cons	struction R	ecord - Scre	en		Abando			Map of W				
Outside Diameter	Mater (Plastic, Galvar		Slot No.	Depth	(m/ft)	Water C	The second secon	Please provide	a map below following	instruct	tions on th	e back.	
(cm/in)	1		15		7.36	specify			see map	,			
4.82	PVC		10	2.74	1,00	Other, s	pecify		3				
		Mater Det	alla			al- Diamet							
Water four	nd at Depth Ki	Water Det nd of Water		Untested	Dept	ole Diamet h (m/ft)	Diameter						
-	n/ft) Gas				From	To -7 27	(cm/in) 8.25						
	nd at Depth Ki			Untested	0	7.32	8.00						
Water four	nd at Depth Ki	nd of Wate	r: Fresh	Untested									
	Well lame of Well Co	ontractor	rand Well			Contractor's	Licence No.						
Rusiness A	Address (Street 7-2 Wes	Number/Na	me\		oad R	nicipality 1Chmor	nd Hil	Comments:					
Province	7 7 7 1	tal Code							Date Package Delivere	ed]	Min	nistry Us	se Only
Bus.Telephone No. (inc. area code) Name of Well Technician (Last Name, First Name) 905+764-9304 Must Mike Well Technician's Licence No. Signature of Technician and/or Contractor Date Submitted					information package delivered		DD	Audit No		961			
34	48	PAR	hin	A		DIO 1	11/20	X	201010	916	Received	9 00	F210
0508E (2007/12) © Queen's Printer for Ontario, 2007 Ministry's Copy										900			

Measurements recorded in:

Metric | Impel....

A104489

Regulation 903 Ontario Water Resources Act

1944 Page 4 of 14

Township Address of Well Location (Street Number/Name) 365 March Postal Code Province City/Town/Village County/District/Municipality Ontario Kanata Municipal Plan and Sublot Number Other UTM Coordinates Zone Easting NAD 8 3 1 8 4 2 8 7 13 25 0 2 0 7 2 2 Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form) Depth (m/ft) General Description Other Materials Most Common Material From General Colour BAW .91 Sand soft. 0 Dry Gravel Clay 336 Bon ,91 Silt 4.88 3,35 Moist 504 4.88 10,36 wet Results of Well Yield Testing Annular Space After test of well yield, water was: Draw Down Recovery Volume Placed Depth Set at (m/ft) Type of Sealant Used Time Water Level Time Water Level (Material and Type) (m3/ft3) Clear and sand free (m/ft) (m/ft) Other, specify (min) Concrete /flush mount 131 Static If pumping discontinued, give reason: 3.86 Benseal 1 1 3,66 10.36 Sand Pump intake set at (m/ft) 2 2 3 3 Pumping rate (I/min / GPM) Well Use Method of Construction 4 4 Public Cable Tool Diamond Commercial ☐ Not used Duration of pumping Rotary (Conventional) Domestic Dewatering 5 5 hrs + min Monitoring Rotary (Reverse) Driving Livestock X Test Hole Cooling & Air Conditioning Final water level end of pumping (m/h) Digging ☐ Irrigation Boring 10 10 Air percussion Direct Push ☐ Industrial Other, specify 15 15 If flowing give rate (I/min / GPM) Construction Record - Casing Status of Well 20 20 Open Hole OR Material Depth (m/ft) Water Supply Wall Recommended pump depth (m/ft) Diameter Thickness (Galvanized, Fibreglass Replacement Well 25 25 From To (cm/in) Concrete, Plastic, Steel) (cm/in) X Test Hole Recommended pump rate (l/min / GPM) 30 30 3.96 PVC Recharge Well 4.03 ,368 0 Dewatering Well 40 40 Observation and/or Monitoring Hole Well production (Vmin / GPM) 50 50 Alteration (Construction) 60 60 Yes No Abandoned, Insufficient Supply Map of Well Location Construction Record - Screen Abandoned, Poor Please provide a map below following instructions on the back Water Quality Outside Depth (m/ft) Material (Plastic, Galvanized, Steel) Diamete (cm/in) Slot No Abandoned, other, From To specify See map 3.96 PUC 10.36 10 4.82 Other, specify Hole Diameter Water Details Water found at Depth Kind of Water: Fresh Untested Depth (m/ft) Diamete (cm/in) (m/ft) Gas Other, specify 10.36 8.25 0 Water found at Depth Kind of Water: Fresh Untested (m/ft) Gas Other, specify Water found at Depth Kind of Water: Fresh Untested (m/ft) Gas Other, specify Well Contractor and Well Technician Information Business Name of Well Contractor
Strata Soil Sampling Inc. 7 | 2 4 1 | Business Address (Street Number/Name)
147-2 West Beaver Creek Road Richmond Hill Comments Province Ontario Postal Code L4B 1C6 Business E-mail Address Wrecords@stratasoi.

Bus.Telephone No. (inc. area code) Name of Well Technician (Last Name, First Name) Well owner's information package delivered wrecords@stratasoil.com Date Package Delivered Ministry Use Only Audit No. YYYMMDD

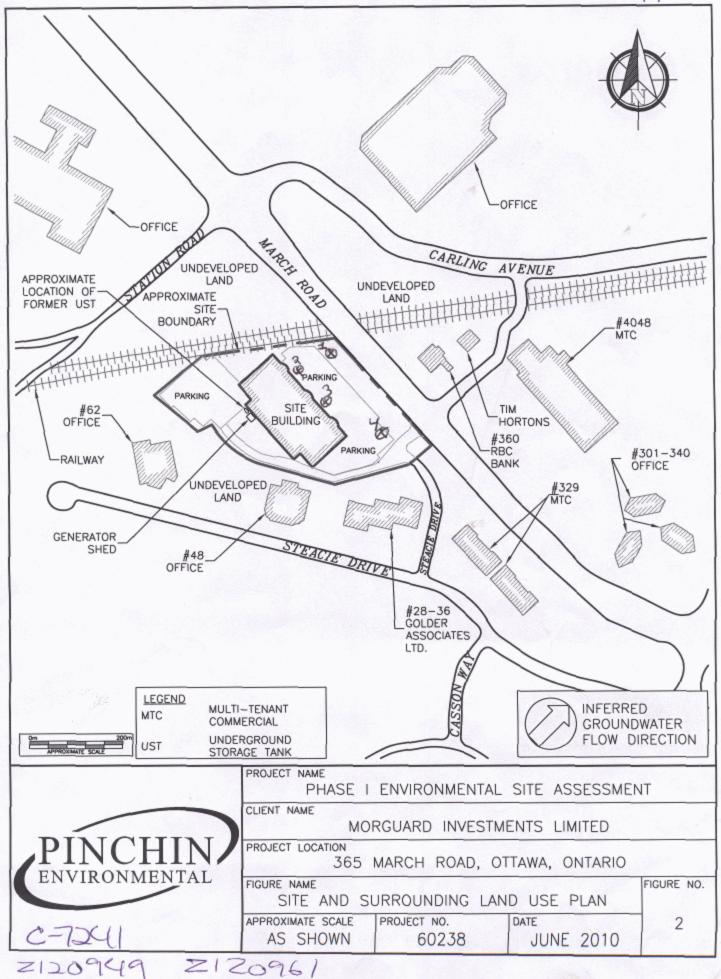
Date Work Completed

20101021

Yes X No

20101110 Ministry's Copy

1945 of 5



2120949

2120961

DEC 0 0 2010

Mandy Witteman

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

Sent: July-13-18 12:26 PM **To:** Mandy Witteman

Subject: RE: Search Records Request (PE4382)

Records Found

Hello.

Thank you for your request for confirmation of public information.

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

Inst Number	Segment1	Address	City	Province	Postal Co
64706671	FS CYLINDER EXCHANGE	401 MARCH RD	OTTAWA	ON	K2K 0K1
64688411	FS GASOLINE STATION - SELF SERVE	401 MARCH RD	OTTAWA	ON	K2K 0K1
64688415	FS LIQUID FUEL TANK	401 MARCH RD	OTTAWA	ON	K2K 0K1
64688412	FS LIQUID FUEL TANK	401 MARCH RD	OTTAWA	ON	K2K 0K1
64688413	FS LIQUID FUEL TANK	401 MARCH RD	OTTAWA	ON	K2K 0K1
64688414	FS LIQUID FUEL TANK	401 MARCH RD	OTTAWA	ON	K2K 0K1

0.4505047	EO OVI INDED EVOLIANOE	40.40 OARLING	I/ANIATA (. b. b. (OII O)	ON	K0K 1V1
64505617	FS CYLINDER EXCHANGE	4048 CARLING	KANATA (suburb of Ottawa?)	ON	K2K 1Y1
		AVE			

For copies of documents, please complete the Release of Public Information form, found at https://www.tssa.org/en/about-tssa/resources/Release-of-Records-form--Jan-2018Final.pdf and email the completed form to public-informationservices@tssa.org or through mail along with the appropriate fee. TSSA's fee schedule can be found at: https://www.tssa.org/en/about-tssa/resources/Documents/Public-Information-Fee-Schedule Jan 2018.pdf. Fees are payable with a credit card (Visa or MasterCard) or by a cheque made payable to TSSA.

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

Kind regards,

Connie

From: Mandy Witteman < MWitteman@Patersongroup.ca>

Sent: July 12, 2018 2:30 PM

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

Subject: Search Records Request (PE4382)

Good afternoon,

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

Steacie Drive: #28, 44, 62, and 56

patersongroup

Consulting Engineers

154 Colonnade Road South Ottawa, Ontario Canada, K2E 7J5 Tel: (613) 226-7381 Fax: (613) 226-6344

> Geotechnical Engineering Environmental Engineering Hydrogeology Geological Engineering Materials Testing Building Science Archaeological Services

www.patersongroup.ca

July 6, 2018 File: PE4382-HLUI

City of Ottawa 110 Laurier Avenue W Ottawa, Ontario K1P 1J1

Subject:

Authorization Letter, HLUI Search

Phase I-Environmental Site Assessment

56 Steacie Drive Ottawa, Ontario

Dear Sir or Madame.

Please consider this letter as confirmation that Paterson Group has been retained to conduct a Phase I-Environmental Site Assessment at the aforementioned property.

With this letter, the property owner authorizes the City of Ottawa and other regulatory bodies to release, to Paterson Group, information requested for the purpose of completing an environmental assessment of the property.

Name of Company/Property Owner:	Merkburn Holdings Look
Name of Representative	Peter Dooher
Authorization of Representative	Atia
Date	6/7/2018



File Number: D06-03-18-0030

August 1, 2018

Mandy Witteman Paterson Group 154 Colonnade Rd S Ottawa, ON K2E 7S8

Sent via email [mwitteman@patersongroup.ca]

Dear Ms. Witteman,

Re: Information Request

56 Steacie Drive, Ottawa, Ontario ("Subject Property")

Internal Department Circulation

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

 No information was returned on the Subject Property from Departmental circulation.

Search of Historical Land Use Inventory

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

A search of the HLUI database revealed the following information:

There are no activities associated with the Subject Property.

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

 There are nine (9) activities associated with properties located within 50m of the Subject Property: Activity Numbers 11543, 6137, 3734, 5003, 4580, 797, 6760, 9462 and 6138.

Shaping our future together
Ensemble, formons notre avenir

City of Ottawa Planning, Infrastructure and Economic Development Department

110 Laurier Avenue West, 4th Floor Ottawa, ON K1P 1J1 Tel: (613) 580-2424 ext. 14743 Fax: (613) 560-6006 www.ottawa.ca Ville d'Ottawa Services de la planification, de l'infrastructure et du développement économique

110, avenue Laurier Ouest, 4e étage Ottawa (Ontario) K1P 1J1 Tél.: (613) 580-2424 ext. 14743 Téléc: (613) 560-6006 www.ottawa.ca A site map has been included to show the location of the Subject Property as well as the location of all the activities noted above.

Additional information may be obtained by contacting:

Ontario's Environmental Registry

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

The Ontario Land Registry Office

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

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

Fax: (613) 239-1422

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

Furthermore, the HLUI database and the results of this search in no way confirm the presence or absence of contamination or pollution of any kind. This information is provided on the assumption that it will not be relied upon by any person for any purpose whatsoever. The City of Ottawa denies all liability to any persons attempting to rely on any information provided from the HLUI database. Please note that in responding to your request, the City of Ottawa does not guarantee or comment on the environmental condition of the Subject Property. You may wish to contact the Ontario Ministry of Environment and Climate Change for additional information.

If you have any further questions or comments, please contact Melanie Vivian at 613-580-2424 ext. 14743 or HLUI@ottawa.ca

Sincerely,

Melanie Vivian

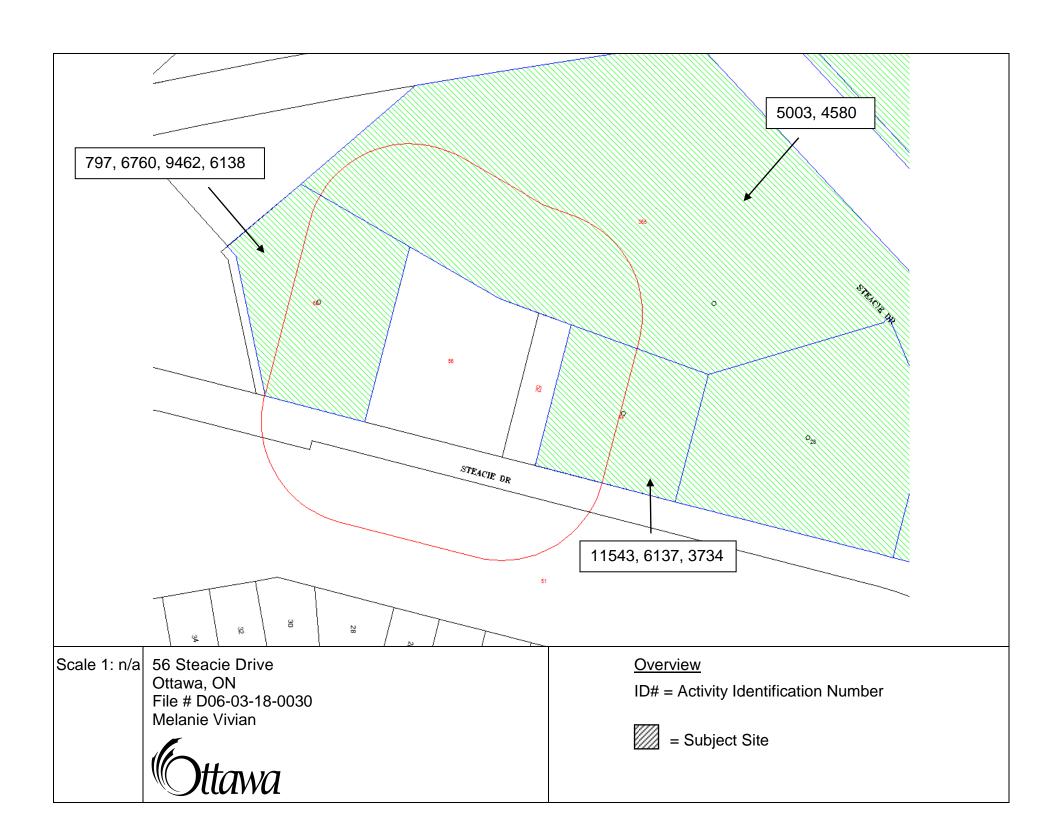
Per:

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

MB/ MV

Attach: 4

cc: File no. D06-03-18-0030





Report:

RPTC_OT_DEV0122

Run On:

01 Aug 2018 at: 10:28:06

HLUI ID: __679GHB

AREA (Square Metres): 4694.759

Study Year PIN **Multi-NAIC** 045110003 1998

Activity ID: 11543 Multiple PINS: Ν

PIN Certainty:

Previous Activity ID(s): 6137

Related PINS:

045110003

Name:

RELTEK INC.

Address:

44 STEACIE DRIVE, KANATA

Facility Type:

Communication and Other Electronic Equipment Industries

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

SC98

HL References 1: HL References 2:

HL References 3:

NAICS	SIC		
334410	335		
334220	335		
334511	335		
334210	335		

Company Name Year of Operation

Reltek Inc. c. 1998

MAP Report Ver: 1 Page 1 of 2



HLUI ID: __679GHB

AREA (Square Metres): 4694.759

Report: RPTC_OT_DEV0122

Run On: 01 Aug 2018 at: 10:28:06

Study Year PIN Multi-NAIC Multiple Activities 1998 045110003 Y Y

Activity ID: 3734 Multiple PINS: N

PIN Certainty: 1 Previous Activity ID(s):

Related PINS: 045110003

Name: CONTROL MICROSYSTEMS INC.

Address: 48 STEACIE DRIVE,

Facility Type: Electrical and Electronic Machinery, Equipment and Supplies, Wholesale

Comments 1: Comments 2:

Generator Number:

Storage Tanks: HL References 1:

HL References 2:

HL References 3: 2005 Select Phone

NAICS SIC

416110 0

Company Name Year of Operation

CONTROL MICROSYSTEMS INC. c. 2005

MAP Report Ver: 1 Page 2 of 2



Report: Run On: RPTC_OT_DEV0122

01 Aug 2018 at: 10:30:34

HLUI ID: __679GEW

AREA (Square Metres): 30358.939

Study Year PIN **Multi-NAIC Multiple Activities** 045110001 1998

Activity ID: 5003 Multiple PINS: Ν

PIN Certainty: Previous Activity ID(s): 4580

045110001 Related PINS:

Name: DRS TECHNOLOGIES CANADA COMPANY

Address: 365 MARCH ROAD, KANATA

Facility Type: Communication and Other Electronic Equipment Industries

Comments 1:

Comments 2:

Generator Number: ON2304801

Storage Tanks:

HL References 1: SC98, 1986 KP File LHK, 1998 KBD

HL References 2:

2000 PID HL References 3:

NAICS	SIC
334210	335
334410	335
336410	321
334210	0
334220	335
334511	335
336320	321
334511	0

Company Name Year of Operation

Spar Aerospace Ltd. c. 1986-1998

DRS TECHNOLOGIES CANADA COMPANY c. 2000

MAP Report Ver: 1 Page 1 of 1



Report:

Run On:

RPTC_OT_DEV0122

HLUI ID: __679GO4

01 Aug 2018 at: 10:31:31

AREA (Square Metres): 6601.830

Study Year PIN **Multi-NAIC**

Multiple Activities 045110005 1998

Activity ID: 797 Multiple PINS: Ν

PIN Certainty:

Previous Activity ID(s): 6760

Related PINS:

045110005

Name:

AMCA INTERNATIONAL LIMITED

Address:

62 STEACIE DRIVE, KANATA

Facility Type: Comments 1:

Fabricated Structural Metal Products Industries GEN# = ON0480500, out of business in 1994

Comments 2:

Generator Number:

Storage Tanks:

PID1994

HL References 1: HL References 2:

HL References 3:

NAICS	SIC
332420	302
332311	302
332319	302

Company Name Year of Operation

AMCA International Ltd. c. 1994

MAP Report Ver: 1 Page 1 of 2



Study Year

1998

CITY OF OTTAWA

HLUI ID: __679GO4

AREA (Square Metres): 6601.830

Report: RPTC_OT_DEV0122

Run On: 01 Aug 2018 at: 10:31:31

PIN Multi-NAIC Multiple Activities
045110005 Y Y

Activity ID: 9462 Multiple PINS: N

PIN Certainty: 1 Previous Activity ID(s): 6138

Related PINS: 045110005

Name: OPTOTEK LIMITED

Address: 62 STEACIE DRIVE, KANATA

Facility Type: Communication and Other Electronic Equipment Industries

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: SC98; 1998 KBD; KNBP Map 1996

HL References 2:

HL References 3: 2001 Employment Survey

 NAICS
 SIC

 334210
 335

 334410
 0

 334220
 335

 334511
 335

 334410
 335

Company Name Year of Operation

Optotek Limited c. 1996-1998

OPTOTEK LIMITED c. 2001

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APPENDIX 3

QUALIFICATIONS OF ASSESSORS

Mandy Witteman, E.I.T.



Geotechnical Engineering

Environmental Engineering

Hydrogeology

Geological Engineering

Materials Testing

Building Science

Archaeological Services

POSITION

Environmental Engineer

EDUCATION

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

MEMBERSHIPS & AWARDS

Alberta Professional Engineers and Geoscience Association NSERC Industry R&D Scholarship

EXPERIENCE

2018 - Present

Paterson Group Inc.

Consulting Engineers
Geotechnical and Environmental Division
Environmental Engineer

2014 - 2015

Thurber Engineering Limited

Oil Sand Tailings Group Tailings Engineer

2014 - 2013

Carleton University

Department of Civil & Environmental Engineering Division Research Engineer

2013 - 2009

Carleton University

Department of Civil & Environmental Engineering Division Research Assistant and Teachers Assistant

2008 - 2009

SLR Consulting Limited

Contaminated Sites

Junior Environmental Engineer

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