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Appendix U - Part 1

Contamination Overview Study Report

BURNSIDE

Contamination Overview Study
Warden Avenue and Kennedy Road between Major Mackenzie Drive East and Elgin Mills Road East

The Regional Municipality of York
Markham, Ontario

Contamination Overview Study
Warden Avenue and Kennedy Road between Major Mackenzie Drive East and Elgin Mills Road East

The Regional Municipality of York
Markham, Ontario

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January 2023
300052314.0000

Distribution List

No. of Hard Copies	PDF	Email	Organization Name
-	Yes	Yes	The Regional Municipality of York

Record of Revisions

Revision	Date	Description
0	May 26, 2022	Draft Submission to The Regional Municipality of York
1	January 4, 2023	Final Submission to The Regional Municipality of York

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Executive Summary

The Regional Municipality of York (herein referred to as 'York Region' or 'Region') is undertaking a Schedule C Municipal Class Environmental Assessment (MCEA) Study for improvements to Warden Avenue and Kennedy Road, between Major Mackenzie Drive East and Elgin Mills Road East in the City of Markham. R.J. Burnside & Associates Limited (herein referred to as 'Burnside') is facilitating the MCEA Study on behalf of the Region.

The MCEA Study will provide a preliminary assessment of key transportation related issues, including a review of relevant background reports/studies and existing traffic data, in order to identify infrastructure and active transportation improvements, and to mitigate any environmental impacts.

As part of the MCEA Study, Burnside has conducted a Contamination Overview Study (COS) of properties within the Warden Avenue corridor (Warden Avenue Study Area) and properties within the Kennedy Road corridor (Kennedy Road Study Area).

The Warden Avenue Study Area corridor extends from Major Mackenzie Drive East to Elgin Mills Road East. The Study Area includes a segment that extends approximately 65 m south of Major Mackenzie Drive East to include a large culvert that carries Berczy Creek under Warden Avenue. For the COS, 30 properties (Sites) within the Warden Avenue Study Area were evaluated.

The Kennedy Road Study Area corridor extends from Major Mackenzie Drive East to Elgin Mills Road East. The Study Area includes a segment that extends approximately 120 m north of Elgin Mills Road East to include the bridge over Bruce Creek. For the COS, 38 properties (Sites) within the Kennedy Road Study Area were evaluated.

The COS provides a preliminary screening to identify property characteristics that relate to potential contamination. The objective is to provide an understanding of the potential environmental liabilities and risks associated with each property (Site) within each separate study area.

The scope of work for the COS is unique in that it combines the approach of a Ministry of Transportation (MTO) contaminant overview study with components of the reporting structure for a Phase One Environmental Site Assessment in Ontario Regulation 153/04, Schedule D.

In addition, unlike most standard environmental assessment approaches, the scope includes a qualitative and quantitative risk scoring and ranking process adaptation outlined in the Canadian Council of Ministers of the Environment (CCME) publication, National Classification System for Contaminated Sites (NCSCS), Guidance Document.

The COS process for this study used an iterative approach to screen and evaluate the Sites. For the purposes of this report, a 'Site' is considered to be an individual property. Each Site was evaluated using a risk matrix based on Site characteristics and potential risk factors. The Sites were categorized into four levels of potential risk of environmental concern based on the Contamination Risk Score (CRS) results.

The four categories of environmental concern and related CRS range were as follows:

- High Environmental Concern – CRS greater than 70;
- Medium Environmental Concern – CRS from 46 to 70;
- Low Environmental Concern – CRS from 35 to 45; and
- No Environmental Concerns Identified – CRS less than 35.

Based on the CRS results, the Sites were sorted into the applicable categories. The table below lists the number of Sites in each study area that were identified in each category.

Potential Risk of Environmental Concern	Warden Study Area	Kennedy Study Area
High Environmental Concern (CRS greater than 70)	1	2
Medium Environmental Concern (CRS 46 to 70)	3	8
Low Environmental Concern (CRS 35 to 45)	10	11
No Environmental Concerns Identified (CRS less than 35)	16	17
	30	38

Although the COS process has evaluated each Site based on site-specific factors, the potential risk of environmental concern estimated for each Site does not represent the findings and conclusions of conducting a full Phase One ESA in full compliance with the requirements of O. Reg. 153/04.

For Sites identified in the category representing a low level of environmental concern, Phase One ESAs are recommended, for environmental due diligence.

For Sites identified in the category representing a medium level of environmental concern, these are generally Sites associated with a commercial business or commercial activity. For these Sites, Phase One ESAs and Phase Two ESAs are recommended.

For Sites identified in the category representing a high level of environmental concern, these are generally Sites where a contaminant source has been identified at the Site. For these Sites, it is recommended that Phase One ESAs are conducted to identify details and specific locations of contaminant sources. In addition, Phase Two ESAs are recommended that include delineation sampling around and beneath locations where potential sources of contamination were identified by the Phase One ESA.

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Disclaimer

Glossary of Terms and Acronyms

AFP:	Alternative Financing and Procurement
ANSI:	Area of Natural and Scientific Interest
APEC:	Area of Potential Environmental Concern
BMP:	Best Management Practice
Burnside:	R.J. Burnside & Associates Limited
CAR:	Cash Allowance Release
CCME:	Canadian Council of Ministers of the Environment
COS:	Contaminant Overview Study
CRS:	Contamination Risk Score
CSM:	Conceptual Site Model
Ecolog ERIS:	Ecolog Environmental Risk Information Services
ESA:	Environmental Site Assessment
EPR:	Environmental Project Report
FTA:	Federal Transit Administration
IO:	Infrastructure Ontario
MNRF:	Ministry of Natural Resources and Forestry
MOECC:	Ministry of the Environment and Climate Change
MOWTs:	Maintenance-of-Way Tracks
MTO:	Ministry of Transportation
NCSCS:	National Classification System for Contaminated Sites
NATES:	National Analysis of Trends in Emergencies System
NEES:	National Environmental Emergencies System
OGS:	Ontario Geological Survey
O. Reg.:	Ontario Regulation
PCA:	Potentially Contaminating Activity
PCB:	Polychlorinated Biphenyl
PIN:	Property Identification Number
ROW:	Right-of-Way

RSC:	Record of Site Condition
SA:	Sensitive Area
SR:	Sensitive Receptor
TPAP:	Transit Project Assessment Process
TSSA:	Technical Safety and Standards Authority

1.0 Introduction

The Regional Municipality of York (herein referred to as 'York Region' or 'Region') is undertaking a Schedule C Municipal Class Environmental Assessment (MCEA) Study for improvements to Warden Avenue and Kennedy Road, between Major Mackenzie Drive East and Elgin Mills Road East in the City of Markham. R.J. Burnside & Associates Limited (herein referred to as 'Burnside') is facilitating the MCEA Study on behalf of the Region.

The MCEA Study will provide a preliminary assessment of key transportation related issues, including a review of relevant background reports/studies and existing traffic data, in order to identify infrastructure and active transportation improvements, and to mitigate any environmental impacts.

As part of the MCEA Study, Burnside has conducted a Contamination Overview Study (COS) of properties within the Warden Avenue corridor (Warden Avenue Study Area) and properties within the Kennedy Road corridor (Kennedy Road Study Area).

1.1 Study Areas

1.1.1 Warden Avenue Study Area

The Warden Avenue Study Area corridor extends from Major Mackenzie Drive East to Elgin Mills Road East. The Study Area includes a segment that extends approximately 65 m south of Major Mackenzie Drive East to include a large culvert that carries Berczy Creek under Warden Avenue.

Properties within the Warden Avenue corridor are mainly undeveloped agricultural lands with farm buildings, as well as rural residential dwellings. The Angus Glen Golf Course (commercial use) lands extend from Kennedy Road over to Warden Avenue; however, these lands are planned for development. Lands adjacent to the west are undeveloped agricultural lands planned for residential development. The Study Area falls within the North Markham Future Urban Area (FUA) and is expected to experience significant growth and development in the coming years. The south section of the Study Area around Warden Avenue is within the Urban River Valley and Protected Countryside designations of the Greenbelt Plan.

The Warden Avenue Study Area is outlined on Figure 1.

Table 1 lists property information for Sites within the Warden Avenue Study Area.

Table 1: Property Information for Warden Avenue Study Area

PIN	Roll Number	Site Address
030570004	193602014480500	3803 MAJOR MACKENZIE DRIVE EAST
030570108	193602014454600	1 CACHET PARKWAY
030570043	193602014456600	4 CACHET PARKWAY
030530117	193602016014410	3 HERITAGE HILL DRIVE
030530118	193602016014420	7 HERITAGE HILL DRIVE
030530119	193602016014430	11 HERITAGE HILL DRIVE
030530120	193602016014440	15 HERITAGE HILL DRIVE
030530123	193602016014440	27 HERITAGE HILL DRIVE
030500073	193602013865800	9964 WARDEN AVENUE
030570057	193602014453000	9977 WARDEN AVENUE
030500074	193602013865600	9988 WARDEN AVENUE
030530112	193602016014200	10050 WARDEN AVENUE
030530113	193602016014300	10084 WARDEN AVENUE
030530173	193602016014500	10148 WARDEN AVENUE
	193602016016007	10162 WARDEN AVENUE
030530171	193602016015200	10206 WARDEN AVENUE
	193602016024001	
	193602016024001	10233 WARDEN AVENUE
030531515	193602016016007	10348 WARDEN AVENUE
030530167	193602016017000	10506 WARDEN AVENUE
	193602016017000	10508 WARDEN AVENUE
	193602016020000	10565 WARDEN AVENUE
030530183	193602016018000	10620 WARDEN AVENUE
030531521	193602016041500	10620 WARDEN AVENUE
030530161	193602016043500	10726 WARDEN AVENUE
030550008	193602016049000	3450 ELGIN MILLS ROAD EAST
030530160	193602016043000	3693 ELGIN MILLS ROAD EAST
030530160	193602016043000	3695 ELGIN MILLS ROAD EAST
	193602016044030	3975 ELGIN MILLS ROAD EAST
030560052	193602016050500	4044 ELGIN MILLS ROAD EAST

Tables with additional property information are provided in Appendix A.

1.1.2 Kennedy Road Study Area

The Kennedy Road Study Area corridor extends from Major Mackenzie Drive East to Elgin Mills Road East. The Study Area includes a segment that extends approximately 120 m north of Elgin Mills Road East to include the bridge over Bruce Creek.

Properties within the Kennedy Road corridor are mainly undeveloped agricultural lands with farm buildings, as well as rural residential dwellings. The Angus Glen Golf Course (commercial use) is on the west side of Kennedy Road. The golf club appears to also use land on the east side of Kennedy Road. These lands are planned for development. The Study Area falls within the North Markham Future Urban Area (FUA) and is expected to experience significant growth and development in the coming years. The north section of the Study Area around Kennedy Road is within the Protected Countryside of the Greenbelt Plan.

The Kennedy Road Study Area is outlined on Figure 2.

Table 2 lists property information for Sites within the Kennedy Road Study Area.

Table 2: Property Information for Kennedy Road Study Area

PIN	Roll Number	Address
	193602014472700	4465 MAJOR MACKENZIE DRIVE EAST
	193602014472700	4467 MAJOR MACKENZIE DRIVE EAST
	193602016026000	4500 MAJOR MACKENZIE DRIVE EAST
030560145	193603023457500	4522 MAJOR MACKENZIE DRIVE EAST
030560146	193603023458500	4584 MAJOR MACKENZIE DRIVE EAST
030560147	193603023458600	4590 MAJOR MACKENZIE DRIVE EAST
	193603023459000	4638 MAJOR MACKENZIE DRIVE EAST
	193602014472700	9970 KENNEDY ROAD
030580865	193602014472700	9980 KENNEDY ROAD
	193602014472700	9990 KENNEDY ROAD
	193603023400300	9995 KENNEDY ROAD
	193602014472700	10000 KENNEDY ROAD
030560385	193602016025000	10060 KENNEDY ROAD
030560070	193602016026000	10080 KENNEDY ROAD
030560437	193602016024001	10080 KENNEDY ROAD
	193603023520000	10225 KENNEDY ROAD
	193603023520000	10227 KENNEDY ROAD
	193602016026000	10228 KENNEDY ROAD
	193603023535000	10379 KENNEDY ROAD
	193603023535000	10411 KENNEDY ROAD
030560416	193602016027500	10450 KENNEDY ROAD
030560415	193602016027000	10476 KENNEDY ROAD
030560418	193602016028500	10504 KENNEDY ROAD
030560452	193603023550000	10537 KENNEDY ROAD
	193603023550000	10539 KENNEDY ROAD
030560132	193603023559500	10715 KENNEDY ROAD

PIN	Roll Number	Address
030560131	193603023560000	10725 KENNEDY ROAD
	193603024060500	10809 KENNEDY ROAD
	193603024060700	10835 KENNEDY ROAD
	193602016050500	4044 ELGIN MILLS ROAD EAST
	193602016054000	4402 ELGIN MILLS ROAD EAST
030560183	193602016029000	4415 ELGIN MILLS ROAD EAST
030560059	193602016055000	4428 ELGIN MILLS ROAD EAST
030560060	193602016055500	4438 ELGIN MILLS ROAD EAST
030560061	193602016056000	4478 ELGIN MILLS ROAD EAST
030560109	193603024000200	4510 ELGIN MILLS ROAD EAST
030560442	193603023560500	4551 ELGIN MILLS ROAD EAST
030560111	193603024000600	4560 ELGIN MILLS ROAD EAST
030580864	193602014472702	south side Colty Drive (Block 62, Plan 65M3468)

Tables with additional property information are provided in Appendix A.

2.0 Scope of Contamination Overview Study

A Contamination Overview Study (COS) is a broad level assessment of actual and potential sources of site contamination within the road right-of-way and adjacent properties. The scope of work is based solely on the known current and former land uses and activities within the study area.

A COS does not constitute the scope of a Phase One Environmental Site Assessment (ESA) as defined by Ontario Regulation 153/04, as amended (O. Reg. 153/04), or as defined by Canadian Standards Association (CSA Standard Z768-01). However, a COS does provide recommendations for future Phase One ESAs or Phase Two ESAs for properties where the COS has identified potential contaminant sources and/or potential risks of contamination.

2.1 Evaluation

The COS provides a preliminary screening to identify property characteristics that relate to potential contamination. The objective is to provide an understanding of the potential environmental liabilities and risks associated with each property (Site) within each separate study area.

The scope of work for the COS is unique in that it combines the approach of a Ministry of Transportation (MTO) contaminant overview study with components of the reporting structure of a Phase One Environmental Site Assessment, O. Reg. 153/04, Schedule D.

In addition, unlike most standard environmental assessment approaches, the scope includes a qualitative and quantitative risk scoring and ranking process adaptation outlined in the Canadian Council of Ministers of the Environment (CCME) publication, National Classification System for Contaminated Sites (NCSCS), Guidance Document.

2.2 List of Regulations, Protocols and Standards

The list of Regulations, Protocols, or Standards that this specific study follows includes:

- *Alternative Financing and Procurement (AFP) – Geotechnical, Hydrogeology, Environmental Due Diligence Technical Requirements, Civil Infrastructure Projects, Final Draft*, Infrastructure Ontario (IO), 2016;
- *Environmental Guide for Contaminated Property Identification and Management, Version: October 2006*, Ministry of Transportation (MTO), 2006;
- *National Classification System for Contaminated Sites, Guidance Document*, Canadian Council of Ministers of the Environment (CCME), 2008; and
- *Ontario Regulation 153/04: Records of Site Condition* – Part XV.1 of the *Environmental Protection Act*, R.S.O 1990, c. E. 19; Part VII (and Schedule D) Phase One Environmental Site Assessments.

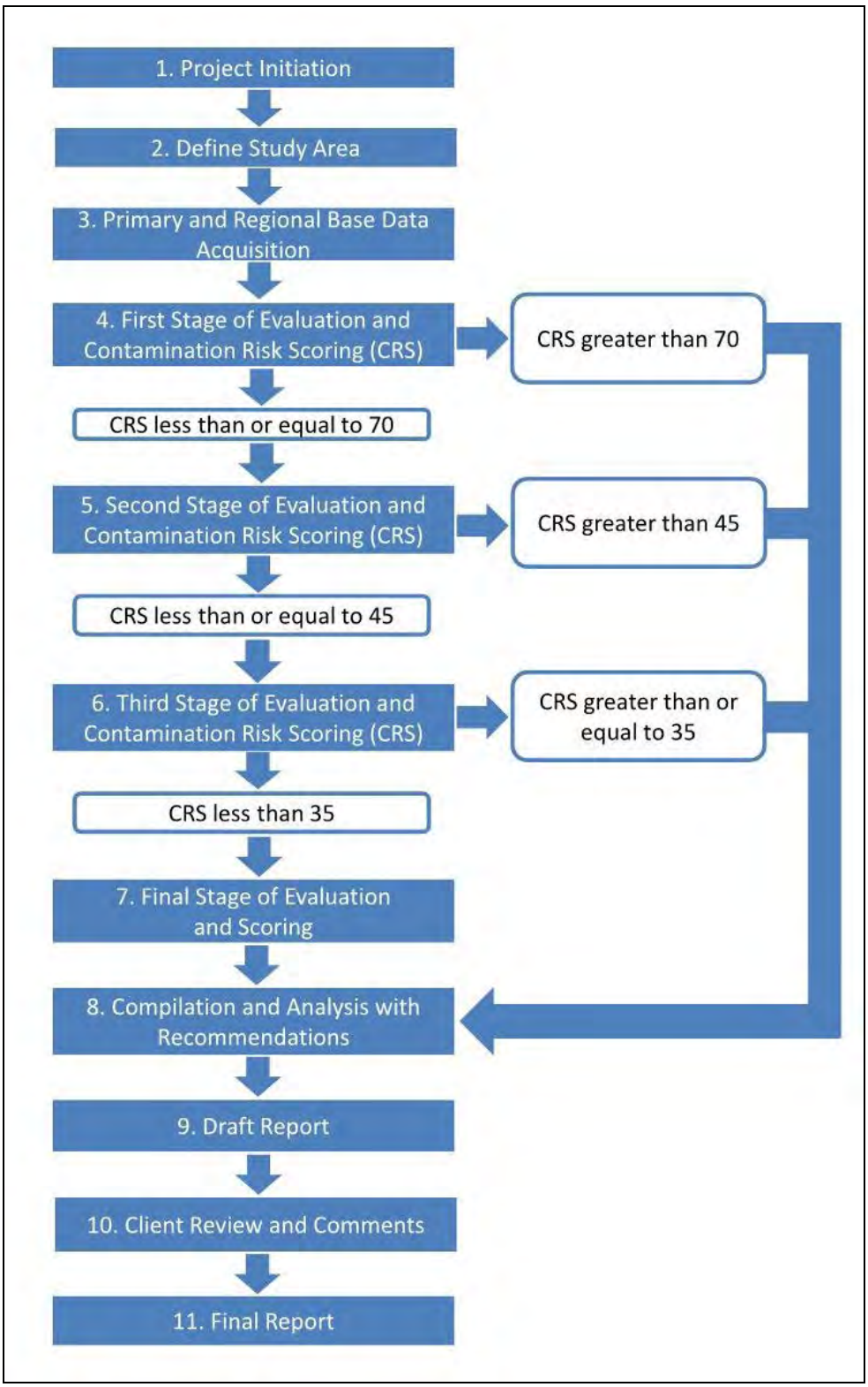
2.3 Methodology

The COS is a unique methodology to achieve the Scope of Work for a cost-effective alternative to conducting full Phase One ESA reports for each Site. An alternative approach was taken to screen the study area and develop a Contamination Risk Score (CRS) for each parcel.

The COS process for this study used an iterative approach to screen and evaluate the Sites. For the purposes of this report, a ‘Site’ is considered to be an individual property. A risk matrix, based on Site characteristics and potential risk factors, was used to develop a Contamination Risk Score (CRS) for each property.

Chart 1 is a flow chart which displays the general steps of the COS process to evaluate and score an individual Site.

Chart 1: Contamination Overview Study Flow Chart



The CRS output was used to determine the environmental risk level as follows:

- High Environmental Concern – CRS greater than 70;
- Medium Environmental Concern – CRS from 46 to 70;
- Low Environmental Concern – CRS from 35 to 45; or
- No Environmental Concerns Identified – CRS less than 35.

Conclusions and recommendations in determining the potential risk and level of environmental concern within each study area are based on the CRS scoring results.

2.3.1 Steps of Evaluation

As shown in Chart 1, the evaluation is based on a step-by-step iterative process where each Site is screened and scored until each is defined within one of the environmental risk categories noted above. As shown, once a Site has been determined to be High Environmental Concern, it is no longer scrutinized in detail as the risk level determined by the CRS cannot be lowered, and as such, any additional scrutiny is of limited value to the final outcome and recommendations. This same approach is taken with each successive screening step. Further details are provided below to support Chart 1.

1. Project initiation:
   i) Client approval of scope; and
   ii) Provision of list of Site addresses and/or PINs.
2. COS Study Area - The study area for each road (Warden Avenue and Kennedy Road) is based on the Phase One ESA study area search distance of 250 m.
   i) Description of study areas:
      a) The COS study area for Warden Avenue is the area within 250 m of the section of Warden Avenue extending from Major Mackenzie Drive East to Elgin Mills Road East (i.e., Area within 250 m west of the road, 250 m east of the road, 250 m south of Major Mackenzie Drive East, and 250 m north of Elgin Mills Road East).
      b) The COS study area for Kennedy Road is the area within 250 m of the section of Kennedy Road extending from Major Mackenzie Drive East to Elgin Mills Road East (i.e., Area within 250 m west of the road, 250 m east of the road, 250 m south of Major Mackenzie Drive East, and 250 m north of Elgin Mills Road East).
   ii) Identify the addresses and/or PINs for each parcel (Site) within the COS study area.
   iii) Create a figure showing the parcel fabric of each Site within the COS study area.
3. Primary regional and base data acquisition:
   i) Acquire data and review available mapping for:
      a) Bedrock geology;
      b) Surficial geology;
      c) Topography;

   d) Surface water;
   e) Land use;
   f) Aerial imagery (aerial photographs and satellite images);
   g) Primary infrastructure;
   h) Preliminary environmental database searches.
  ii) Prepare figures outlining the boundary of each study area.

4. First stage of evaluation and contaminate risk scoring:
   i) Creation of basic Conceptual Site Model for each study area; and
   ii) Generate initial contaminate risk scores.

5. Second stage of evaluation and contaminate risk scoring:
   i) Continued data acquisition and assessment; and
   ii) Integration of data into Conceptual Site Models.

6. Third stage of evaluation and contaminate risk scoring:
   i) Continued data acquisition and assessment;
   ii) Integration of data into Conceptual Site Models; and
   iii) Generate a Contamination Risk Score.

7. Final stage of evaluation and scoring:
   i) Create final Conceptual Site Models; and
   ii) Finalize Contamination Risk Scores.

8. Compilation and analysis with recommendations:
   i) Compile results;
   ii) Conclusions;
   iii) Recommendations; and
   iv) Estimate costs associated with recommendations.

9. Draft Report:
   i) Internal review and QA/QC; and
   ii) Issue draft report to Client for review.

10. Client review and comments.

11. Final Report
   i) Address comments and issue Final Report.

The COS approach allows for a cost-effective risk evaluation as it is a step-by-step process that screens out higher risk properties early on in the process, so that all background data and assessment scrutiny is not required for all Sites, only what is required to effectively score the risk. For low-risk Sites, more background data and assessment is required to ensure that sufficient scrutiny has been undertaken to determine their risk score.

The Conceptual Site Model (CSM) for each Site is developed during the integration and interpretation of all the background information acquired at each step in the screening process.

A Potentially Contaminating Activity (PCA) is a property use or activity listed in the PCA table in O. Reg. 153/04. The PCA table lists 59 PCA items which are generally related to manufacturing, processing, bulk chemical storage, bulk fuel storage, waste storage, vehicle/equipment maintenance, and large-scale applications of pesticides.

The records review identified PCAs and registered Waste Generators in the study areas. Interpretation of Site-specific factors, such as soil conditions and groundwater flow, are used to determine the potential impact of potential sources of contamination associated with PCAs and Waste Generator records. From this interpretation, the presence of Areas of Potential Environmental Concern (APECs) can be determined for each Site.

2.3.2 Contamination Risk Scoring

A CRS was derived for each parcel (Site) based on the CCME NCSCS approach. The approach evaluates two primary factors when evaluating environmental risk:

1. Vulnerability – The physiographic, hydrogeological, and natural environmental conditions that determine the potential for contamination sources, should they exist in the study area, to impact the Site. An area with extensive thicknesses of clay till overburden would have a low vulnerability when compared to an area of sandy soil and shallow groundwater. Vulnerability comprises 20% of the CRS calculation.
2. Potential for Contamination – The current and historical land use, presence of PCA, contaminant source, and an interpreted pathway factor from the interpretation of the CSM. Potential for Contamination comprises 80% of the CRS calculation.

2.3.2.1 Vulnerability Factors Scoring

Each Site is scored based on the following vulnerability factors:

A. Physiographic Conditions (out of 5)
   - Clay overburden >10 metres = 1
   - Till and low permeability overburden = 2
   - Sand and high permeability overburden = 4
   - Bedrock at surface = 5

B. Areas of Natural Significance (out of 5)
   - None within 30 m = 0
   - Within 30 m = 2
   - On-Site = 5

C. Surface Water Proximity (out of 5)
   - None within 30 m = 1
   - Ditches and Seasonal = 2
   - Creek or Stream = 4
   - Pond or Lake = 5

D. Potable Water (out of 5)
   - Non-Potable = 1
   - Potable = 5

2.3.2.2 Potential for Contamination Scoring

Each Site is scored based on the following potential contamination factors:

A. Land Use Impact (out of 15)

   Land use of each Site and its associated impact is factored into the overall Potential for Contamination. The land use for each Site was determined based on mapping, zoning designations, observations in aerial photographs, and record searches.

   The impact of land use is scored according to the following land use descriptions, with higher scores reflecting an elevated risk of contamination and higher environmental risk:

   - Never developed = 1;
   - Agricultural = 5;
   - Residential = 10; and
   - Historically or currently any type of commercial or industrial use = 15.

   The Potential for Contamination score also takes into account vulnerability through the interpretation of the pathway factor. This allows the assessor completing the interpretation of the CSM to determine the key element of migration path in the assessment of risk.

B. Potentially Contaminating Activity (out of 30)

   Potential impacts from PCAs were evaluated based on the total number of PCAs on or adjacent to a Site, the location of each PCA relative to the Site (e.g., on-Site, or Off-Site), and the type of PCA, whether Low Risk or High Risk.

   A score of zero (0) was assigned when there were no PCAs on the Site or adjacent to the Site.

   Farmland and agricultural activities are associated with pesticide use, which relates to PCA #40 Pesticides Manufacturing, Processing, Bulk Storage and Large-Scale Applications. For the purpose of the CRS calculation, farmland, and agricultural

activities (commonly on or adjacent to the Sites) were scored as Low Risk (score 1). All other PCAs were considered High Risk for scoring. Table 3 summarizes the approach for characterizing the potential impact of PCAs.

C. Waste Generators (out of 10)

Waste Generator records are considered equivalent to high risk PCAs for the determination of APEC severity. A score of zero (0) was assigned when there were no Waste Generators identified on the Site or adjacent to the Site.

Table 3 summarizes the approach for characterizing the potential impact of Waste Generators.

D. Areas of Potential Environmental Concern (out of 15)

Table 3 summarizes the approach for characterizing the potential severity of the resulting APECs on each Site.

E. Contaminant Migration Factors (out of 5)

Potential migration pathways, topography, and soil characteristics are factors considered to interpret the potential level of risk for contaminant migration.

- Low Risk = 1
- Moderate/High Risk = 5

F. Proximity to Proposed Right-of-Way (out of 5)

- No part of the Site is within Proposed Right-of-Way = 0
- All or part of the Site is within Proposed Right-of-Way = 5

Table 3 outlines the scoring system used to determine potential impacts associated with proximity to PCAs, Waste Generators, and APECs.

Table 3: Potential Impact Characterization

PCA Impact			
Score	# of PCAs	PCA Location	PCA Type
Very Low = 1	adjacent to Spill or Low PCA	Adjacent	Low Risk
Low = 5	1 or more Low PCAs on-Site	On-Site	Low Risk
Medium = 10	1 High PCA on adjacent	Adjacent	High Risk
High = 30	2 or more High PCAs 1 or more High PCAs	Adjacent On-Site	High Risk High Risk
Waste Generators			
Score	# of Waste Generators	GEN Location	n/a
Low = 5	adjacent to GEN record	Upgradient	
High = 10	1 or more GEN	On-Site	
APEC Severity			
Score	Potential Concern	Location	PCA Type
Low = 5	Low Risk PCA	Adjacent / On-Site	Low Risk
Medium = 10	adjacent to GEN or High Risk PCA	Adjacent	High Risk
Medium = 10	commercial or industrial use	n/a	n/a
High = 15	commercial or industrial and adjacent to PCA, GEN, or spill	Adjacent	Low or High
High = 15	PCA, GEN, or spill	On-Site	High Risk

3.0 Records Review

3.1 General

An evaluation of each Site was conducted by considering several factors, including the existing development, land use and physical setting of the study area. The characteristics of each Site were evaluated using information acquired from mapping, databases, inventories, and aerial photographs. This information was used to determine the potential sensitivity of each Site in relation to potential sources of contamination.

3.1.1 Land Registry

Property Identification Numbers (PIN) for the Sites listed in the tables in Appendix A were determined using Ontario Land Registry information and maps. Land registry documents related to the study areas are provided in Appendix B.

3.1.2 Roll Numbers

Roll Numbers for the Sites were determined using City of Markham Property Details online mapping. City of Markham property detail results for each Site are provided in Appendix A.

3.1.3 Historical Maps

Maps of the area dated in the 1800s and early 1900s were reviewed to identify historical land development and historical property uses. Historical maps and documents are provided in Appendix C.

3.2 Environmental Source Information

Available databases and references were reviewed to identify environmental source information.

3.2.1 Directory Search

Directory information provides an indication of property uses such as residential, commercial, or institutional use. A search was conducted to identify directory listings for municipal addresses of Sites within the Study Areas. Pages with details for businesses identified in the Study Areas are provided in Appendix D.

3.2.2 ERIS Database Search

Record searches of environmental databases were conducted through Environmental Risk Information Services (ERIS) to identify environmental records in each Study Area.

The following databases were included in the record search.

Federal Government Source Databases

- Contaminated Sites on Federal Land;
- Environmental Effects Monitoring;
- Environmental Issues Inventory System;
- Federal Convictions;
- Indian & Northern Affairs Fuel Tanks;
- National Defense & Canadian Forces Fuel Tanks;
- National Defense & Canadian Forces Waste Disposal Sites;
- National Environmental Emergencies System (NEES);
- National PCB Inventory;
- National Pollutant Release Inventory;
- Parks Canada Fuel Storage Tanks; and
- Transport Canada Fuel Storage Tanks.

Provincial Government Source Databases

- Abandoned Aggregate Inventory;
- Aggregate Inventory;
- Borehole;
- Certificates of Approval;
- Certificates of Property Use;
- Commercial Fuel Oil Tanks;
- Compliance and Convictions;
- Drill Hole Database;
- Environmental Activity and Sector Registry;
- Environmental Compliance Approval;
- Environmental Registry;
- Fuel Storage Tank;
- Fuel Storage Tank – Historic;
- Inventory of Coal Gasification Plants and Coal Tar Sites;
- Inventory of PCB Storage Sites;
- Landfill Inventory Management Ontario;
- List of TSSA Expired Facilities
- Ontario Oil and Gas Wells;
- Ontario Regulation 347 Waste Generators Summary;
- Ontario Regulation 347 Waste Receivers Summary;
- Ontario Spills;
- Orders;
- Permit to Take Water;
- Pesticide Register;
- Private and Retail Fuel Storage Tanks;
- Record of Site Condition;
- TSSA Incidents;
- TSSA Variances for Abandonment of Underground Storage Tanks;
- Waste Disposal Sites – MOECC 1991 Historical Approval Inventory;

- Waste Disposal Sites – MOECC CA Inventory;
- Wastewater Discharger Registration Database; and
- Water Well Information System.

Private Source Databases

- Anderson's Storage Tanks;
- Anderson's Waste Disposal Sites;
- Automobile Wrecking & Supplies;
- Chemical Register;
- ERIS Historical Searches;
- Oil and Gas Wells;
- Retail Fuel Storage Tanks; and
- Scott's Manufacturing Directory.

The Warden ERIS search identified 47 records in the Warden Study Area. The Kennedy ERIS search identified 71 records in the Kennedy Study Area. The ERIS reports for each Study Area are provided in Appendix E.

Table 4 summarizes ERIS database records identified in the Warden Study Area.

Table 4: ERIS Records Identified in Warden Study Area

Type of Record	Records	Comments
Delisted Fuel Tanks **(DTNK)**	2	A propane cylinder refill centre and propane tank were identified at 10148 Warden Avenue, Markham registered to Commercial Burner Service.
Environmental Compliance Approval **(ECA)**		ECAs Berczy Warden Holdings PTTWs and sewage.
ERIS Historical Searches **(EHS)**	3	ERIS record searches for 10231 Warden Avenue, 10726 Warden Avenue, and Warden Avenue culvert.
Ontario Regulation Waste Generators Summary **(GEN)**	11	10620 Warden Avenue, Markham – generated waste oils and waste lubricants (years 2010-2022), registered to Brock & Sons Construction.
Private and Retail Fuel Storage Tanks (**PRT**)	1	Retail fuel storage tank (1,885 L capacity) at 10148 Warden Avenue registered to Commercial Burner Maintenance Ltd.
Ontario Spills **(SPL)**	2	1990 Spill – Warden Avenue and Major Mackenzie, hydraulic fluid (1 L) spilled to road. Spill record indicates environmental impact from spill is not anticipated. 1995 Spill – Warden Avenue and Major Mackenzie gasoline (25 L) spilled into sewer. Spill record indicates possible impact to water course.
Water Well Info System (**WWIS**)	25	Well records at various locations indicate overburden consists of topsoil, silt, sand, and clay.
	47	Total ERIS records identified in Warden Study Area.

Table 5 summarizes ERIS database records identified in the Kennedy Study Area.

Table 5: ERIS Records Identified in Kennedy Study Area

Type of Record	Records	Comments
Certificates of Approval **(CA)**	4	CAs registered to Mattamy and Angus Glen Development Ltd. for approvals for municipal water and municipal sewage.
Commercial Fuel Oil Tanks (**CFOT**)	1	Fuel oil tank at 10228 Kennedy Road (single wall, fiberglass, 2,273 L) registered to Angus Glen Farm (1996) Ltd.
Delisted Fuel Tanks **(DTNK)**	2	Two records for fuel oil tank at 10228 Kennedy Road (single wall, fiberglass, 2,273 L) registered to Angus Glen Farm (1996) Ltd., venue Angus Glen Golf Club.
Environmental Compliance Approval **(ECA)**	1	ECA for sewage registered to Angus Glen Development (2003) Ltd.
ERIS Historical Searches **(EHS)**	5	ERIS searches for 10080 Kennedy Road, 10539 Kennedy Road, 4522 Major Mackenzie Drive East, and Elgin Mills Road East, Markham.
Ontario Regulation 347 Waste Generators **(GEN)**	17	3 locations with GEN waste records: - 10377 Kennedy Road (garage/repair), generated waste oils and waste lubricants (years 1986-1990). - 10228 Kennedy Road (horse farm/golf course) – generated waste oils and waste fuels (years 1994-2022). - 4522 Major Mackenzie Drive East – generated inorganic wastes, waste light fuels (year 2006).
Pipeline Incidents **(PINC)**	1	In 2013, pipeline 1” hit at 9990 Kennedy Road, Unit 1.
Ontario Spills **(SPL)**	4	1989 Spill – Kennedy Road & Major Mackenzie, diesel fuel (100 L) to land/water from overturned tractor/trailer. Spill record indicates diesel fuel spilled into sewer. 1991 Spill – 4495 Major Mackenzie Road & Kennedy Road, diesel fuel (200 L) spilled to ground and ditch from transport truck. Spill record indicates soil contamination was confirmed. 2004 Spill – 10476 Kennedy Road, fertilizer/fungicide. Record indicates environmental impact not anticipated. 2013 Spill – 9990 Kennedy Road, Unit 1, natural gas leak from strike/hit to plastic pipeline 1”. Spill record indicates airborne methane gas, air pollution.
Water Well Info System (**WWIS**)	36	Well records at various locations indicate overburden consists of topsoil, silt, sand, clay, and gravel.
	71	Total ERIS records identified in Kennedy Study Area.

Registered waste generator locations were also identified by searching the Hazardous Waste Information Network (HWIN) Registered Generator List (results included in Appendix E). Additional details for water well records are included in Appendix E.

3.2.3 Toxics Reduction Mapping

A search was conducted using Ontario's Toxics Reduction program mapping to identify facilities that use, create, release, dispose, or recycle toxic substances. There were no facilities identified in the Study Areas or within a 5 km search radius. A 10 km search radius identified several facilities between 5 km and 10 km from the Study Areas. The search results and a map showing the facility locations are provided in Appendix F.

3.2.4 Aerial Photographs

Aerial photographs with coverage of each study area were reviewed for four different decades to examine historical land use, progress of development, and to identify any potentially contaminating activities (historical and current) in the study areas.

3.2.5 Topography, Hydrology, Geology

Topographic mapping was examined to determine the general topography of each Site, surface drainage, the inferred direction of groundwater flow and elevations relative to sources of potential contamination. A topographic map dated 1917 was reviewed of the area. Symbols on the parcels indicate rural residential and agricultural land use in 1917. A portion of the 1917 map with a legend for the symbols is provided in Appendix C.

A review of available mapping by the Ontario Geological Survey (OGS) was undertaken to characterize the general surficial and bedrock geology of each Site.

Surficial geology in the study area varies from fine to coarse textured deposits comprised of silt, clay, sand, and gravel, described as silty to clayey till, silty to sandy till, glaciolacustrine deposits and alluvial deposits. Borehole logs provided in Appendix G include descriptions of stratigraphy.

Bedrock in the study area is generally described as Upper Ordovician and Middle Ordovician deposits of limestone, dolostone and shale. Figure 3 shows surficial geology in the study areas.

3.2.6 Water Bodies and Areas of Natural Significance

Various databases, documents and mapping were reviewed to determine whether any of the Sites are located within an Area of Natural Significance, defined in O. Reg. 153/04, as amended, as any of the following:

1. An area reserved or set apart as a provincial park or conservation reserve under the *Provincial Parks and Conservation Reserves Act, 2006*.
2. An Area of Natural and Scientific Interest (ANSI) (life science or earth science) identified by the Ministry of Natural Resources and Forestry (MNRF) as having provincial significance.

3. A wetland identified by the MNRF as having provincial significance.
4. An area designated by a municipality in its official plan as environmentally significant, however expressed, including designations of areas as environmentally sensitive, as being of environmental concern and as being ecologically significant.
5. An area designated as an escarpment natural area or an escarpment protection area by the Niagara Escarpment Plan under the *Niagara Escarpment Planning and Development Act*.
6. An area identified by the MNRF as significant habitat of a Threatened or Endangered species.
7. An area which is habitat of a species that is classified under Section 7 of the *Endangered Species Act, 2007* as a Threatened or Endangered species.
8. Property within an area designated as a natural core area or natural linkage area within the area to which the Oak Ridges Moraine Conservation Plan (ORMCP) under the *Oak Ridges Moraine Conservation Act, 2001* applies.
9. An area set apart as a wilderness area under the *Wilderness Areas Act*.

The Site is within the Rouge River Watershed which drains southeastward into Lake Ontario. Surface water in this area generally flows toward the southeast, as shown on a surface water flow map provided in Appendix H.

The Bruce & Berczy Creek Wetland Complex is a Provincially Significant Wetland (PSW) which was identified on and adjacent to Sites in both of the study areas. Mapping in Appendix H shows the extent of the PSW in the study areas.

3.2.7 Regulatory Agency Records

A review of available background information was completed to determine the historical property use in the study area and to determine if any of the directly accessible MECP databases included any environmentally significant information relating to Sites in the study area. The following sources of information were reviewed:

- Registered Waste Generators;
- Ontario Inventory of PCB Storage Sites; and
- Waste Disposal Site Inventory

Registered waste generators were identified in the ERIS report and by searching the Hazardous Waste Information Network (HWIN) Registered Generator List (HWIN search results are included in Appendix E). Ontario Waste Generator records were identified at 10620 Warden Avenue in the Warden Study Area and at 10228 Kennedy Road in the Kennedy Road Study Area. Details for these records are provided in Appendix E.

The Technical standards and Safety Authority (TSSA) was contacted to conduct a search for TSSA fuel storage records for selected address locations in the study areas.

The TSSA search identified a fuel oil tank record at 10228 Kennedy Road in the Kennedy Road Study Area. Correspondence from TSSA is provided in Appendix I.

4.0 Site Characteristics

4.1 Buildings and Structures

Buildings and structures occupying the Site were identified using a combination of aerial photographs, satellite images, fire insurance plans and mapping. Buildings and/or structures indicating residential use, commercial use, or indicating a potential source of contamination were noted in the evaluation tables.

4.2 Chemical Storage and Tanks

Various resources were used to identify potential chemical and fuel storage. Aerial photographs, satellite images and mapping were reviewed to identify bulk chemical storage and bulk fuel storage tanks. Sites with registered Waste Generators were assumed to have On-Site chemical storage.

4.3 Site Reconnaissance

The Site reconnaissance did not include visiting each Site for detailed inspections. The Sites were assessed using historical aerial photographs and photographs taken along Warden Avenue and Kennedy Road. Google Streetview images of the Sites and the adjacent properties were examined to determine if there were any obvious indications of potential contamination such as the presence of storage drums, tanks, waste dumpsters, chemical storage, or land use such as gas stations, factories, and farms. Photographs taken along Warden Avenue and Kennedy Road are provided in Appendix J.

4.4 Adjacent Land Use

Land use of adjacent properties was considered in the Site evaluations and scoring criteria. Adjacent land use was identified by reviewing land use mapping, online information and websites related to Site addresses, aerial photographs, Google Streetview images, fuel tank records, and Waste Generator records.

5.0 Review and Evaluation of Information

An analysis of the key findings collected during the study was undertaken to determine the relative potential (high, medium, and low potential) for soil and groundwater contamination in the study area (identified by PIN). The analysis is generally based on current and historical land-use (sources of contamination); and on surficial geology, hydrology, and topography (contaminant migration and sensitive receptors). The documentation of key findings will include a brief description and plan of the study area

identifying areas of high, medium, and low potential for soil and groundwater contamination. Appendix A provides a compilation of property information and environmental characteristics for each Site.

5.1 Current and Past Uses

Current and past uses of each Site were determined using fire insurance maps, aerial photographs, mapping, and environmental database records. Property uses for each Site were noted as residential, commercial, institutional, parkland, agricultural and/or open space (vacant unused land). Property use of each Site is listed in the tables in Appendix A.

5.2 Potentially Contaminating Activities

A PCA is a property use or activity listed in the PCA table in O. Reg. 153/04 (PCA table is provided in Appendix K). The PCA table lists 59 PCA items which are generally related to manufacturing, processing, bulk chemical storage, bulk fuel storage, waste storage, vehicle/equipment maintenance, and large-scale applications of pesticides. The records reviews identified PCAs on several Sites and in the study area. The type of PCA and the interpretation of Site-specific factors such as soil conditions and groundwater flow were used to determine the potential impact of On-Site and Off-Site PCAs.

Farmland and agricultural activities are associated with potential pesticide use, which relates to PCA #40 Pesticides Manufacturing, Processing, Bulk Storage and Large-Scale Applications. For the COS scoring system, PCA #40 related to potential pesticide use on farmland was considered to be a Low Risk PCA. All other PCAs were considered High Risk for scoring. Waste Generator Sites are considered equivalent to High Risk PCAs for the determination of APEC severity.

5.3 Areas of Potential Environmental Concern

An APEC is an area where one or more contaminants are potentially present. Potential APECs were determined by evaluating the compilation of Site characteristics with the existence of PCAs and other potential sources of contamination in the study area.

5.4 Conceptual Site Model

In general, a Conceptual Site Model (CSM) is a summary of characteristics, which is used to assess the environmental condition of a Site.

Various property use categories that were identified in the Study Areas are listed in tables provided in Appendix A. Locations where potential sources of contamination were identified (i.e., on-site PCAs and/or on-site Waste Generator records) are associated

with a higher risk of contamination. Contamination risk categories determined for each Site are shown on Figure 7 and Figure 8.

5.5 Risk Matrix and Evaluation

A risk matrix was used to integrate and interpret all of the information acquired at each step in the screening process, in order to evaluate the potential risk of contamination at each Site.

A CRS was developed based on a weighting of a variety of potential risk factors. The need for additional environmental site assessment would be based on a defined threshold score. The CRS is an approach similar to the one used by the federal government as contained in the CCME NCSCS. The level of environmental risk for each

- High Environmental Concern is CRS greater than 70;
-
- Low Environmental Concern is CRS from 35 to 45; or
- No Environmental Concerns identified is CRS less than 35.

Table 6 summarizes the results of the CRS for each evaluated Site in the Warden Avenue Study Area.

Table 6: Contamination Risk Score Categories for Warden Avenue Study Area

Contamination Risk Score Categories	Number of Sites
High Environmental Concern = CRS greater than 70	1
Medium Environmental Concern = CRS 46 to 70	3
Low Environmental Concern = CRS 35 to 45	10
No Environmental Concerns Identified = CRS less than 35	16
Number of Sites Evaluated	30

Detailed scoring for each Site in the Warden Study Area is listed in Table 7.

Table 7: Contamination Risk Scoring Results for Sites in Warden Avenue Study Area

Contamination Risk Score (CRS)

1	High Environmental Concern (CRS is greater than 70)
3	Medium Environmental Concern (CRS is 46 to 70)
10	Low Environmental Concern (CRS is 35 to 45)
16	No Environmental Concerns Identified (CRS is less than 35)
30	number of Sites (Properties) evaluated

			Vulnerability Factors Scoring					Potential for Contamination Scoring							
PIN	Roll Number	Site Address	Physiographic Conditions (5)	Areas of Natural Significance (5)	Surface Water Proximity (5)	Potable Water (5)	VF Total /20	Land Use Impact (15)	Potential Contaminating Activity (PCA) (30)	Waste Generators (10)	Area of Potential Environmental Concern (APEC) (15)	Contaminant Migration Factors (5)	Proximity to ROW (5)	PC Total / 80	Final Score / 100
030570004	193602014480500	3803 MAJOR MACKENZIE DR EAST	2	0	4	5	11	10	0	0	0	1	0	11	22
030570108	193602014454600	1 CACHET PARKWAY	2	0	4	5	11	10	0	0	0	1	0	11	22
030570043	193602014456600	4 CACHET PARKWAY	2	0	4	5	11	10	0	0	0	1	0	11	22
030530117	193602016014410	3 HERITAGE HILL DRIVE	2	0	4	5	11	10	0	0	0	1	5	16	27
030530118	193602016014420	7 HERITAGE HILL DRIVE	2	2	4	5	13	10	0	0	0	1	0	11	24
030530119	193602016014430	11 HERITAGE HILL DRIVE	2	2	4	5	13	10	0	0	0	1	0	11	24
030530120	193602016014440	15 HERITAGE HILL DRIVE	2	2	4	5	13	10	0	0	0	1	0	11	24
030530123	193602016014470	27 HERITAGE HILL DRIVE	2	0	4	5	11	10	10	0	10	1	0	31	42
030500073	193602013865800	9964 WARDEN AVENUE	2	0	2	5	9	10	0	0	0	1	0	11	20
030570057	193602014453000	9977 WARDEN AVENUE	2	0	4	5	11	10	0	0	0	1	0	11	22
030500074	193602013865600	9988 WARDEN AVENUE	2	0	4	5	11	10	0	0	0	1	0	11	22
030530112	193602016014200	10050 WARDEN AVENUE	2	5	4	5	16	10	0	0	0	1	5	16	32
030530113	193602016014300	10084 WARDEN AVENUE	2	5	4	5	16	10	0	0	0	1	5	16	32
030530173	193602016014500	10148 WARDEN AVENUE	2	0	2	5	9	15	30	0	15	1	5	66	75
	193602016016007	10162 WARDEN AVENUE	2	0	2	5	9	10	10	0	5	1	5	31	40
030530171	193602016015200	10206 WARDEN AVENUE	2	0	2	5	9	10	5	0	5	1	5	26	35
	193602016024001	10231 WARDEN AVENUE	2	5	5	5	17	10	5	0	5	1	5	26	43
	193602016024001	10233 WARDEN AVENUE	2	5	2	5	14	10	5	0	5	1	5	26	40
030531515	193602016016006	10348 WARDEN AVENUE	2	0	2	5	9	10	5	0	5	1	5	26	35
030530167	193602016017000	10506 WARDEN AVENUE	2	0	2	5	9	10	5	0	5	1	5	26	35
	193602016017000	10508 WARDEN AVENUE	2	0	2	5	9	10	5	5	5	1	5	31	40
	193602016020000	10565 WARDEN AVENUE	2	0	2	5	9	15	5	0	15	1	5	41	50
030530183	193602016018000	10620 WARDEN AVENUE	2	0	2	5	9	15	5	10	15	1	5	51	60
030531521	193602016041500	10620 WARDEN AVENUE	2	0	2	5	9	15	5	10	15	1	5	51	60
030530161	193602016043500	10726 WARDEN AVENUE	2	0	2	5	9	10	1	0	5	1	5	22	31
030550008	193602016049000	3450 ELGIN MILLS RD E	2	0	2	5	9	10	5	0	5	1	5	26	35
030530160	193602016043000	3693 ELGIN MILLS RD E	2	0	2	5	9	10	1	0	5	1	0	17	26
030530160	193602016043000	3695 ELGIN MILLS RD E	2	0	2	5	9	10	1	0	5	1	0	17	26
	193602016044030	3975 ELGIN MILLS RD E	2	0	2	5	9	10	5	0	5	1	5	26	35
030560052	193602016050500	4044 ELGIN MILLS RD E	2	0	2	5	9	10	5	0	5	1	0	21	30

Table 8 summarizes the results of the CRS for each Site evaluated in the Kennedy Road Study Area.

Table 8: Contamination Risk Score Categories for Kennedy Road Study Area

Contamination Risk Score Categories	Number of Sites
High Environmental Concern = CRS greater than 70	2
Medium Environmental Concern = CRS 46 to 70	8
Low Environmental Concern = CRS 35 to 45	11
No Environmental Concerns Identified = CRS less than 35	17
Number of Sites Evaluated	38

Detailed scoring for each Site in the Kennedy Study Area is listed in Table 9.

Table 9: Contamination Risk Scoring Results for Sites in Kennedy Road Study Area

Contamination Risk Score (CRS)

2	High Environmental Concern (CRS is greater than 70)
8	Medium Environmental Concern (CRS is 46 to 70)
11	Low Environmental Concern (CRS is 35 to 45)
17	No Environmental Concerns Identified (CRS is less than 35)
38	number of Sites (Properties) evaluated

			Vulnerability Factors Scoring					Potential for Contamination Scoring							
PIN	Roll Number	Address	Physiographic Conditions (5)	Areas of Natural Significance (5)	Surface Water Proximity (5)	Potable Water (5)	VF Total /20	Land Use Impact (15)	Potential Contaminating Activity (PCA) (30)	Waste Generators (10)	Area of Potential Environmental Concern (APEC) (15)	Contaminant Migration Factors (5)	Proximity to ROW (5)	PC Total / 80	Final Score / 100
	193602014472700	4465 MAJOR MACKENZIE DRIVE EAST	2	0	1	5	8	15	1	0	10	1	0	27	35
	193602014472700	4467 MAJOR MACKENZIE DRIVE EAST	2	0	1	5	8	15	1	0	10	1	0	27	35
	193602016026000	4500 MAJOR MACKENZIE DRIVE EAST	2	0	5	5	12	15	10	0	10	1	5	41	53
030560145	193603023457500	4522 MAJOR MACKENZIE DRIVE EAST	2	0	2	5	9	15	30	10	15	1	5	76	85
030560146	193603023458500	4584 MAJOR MACKENZIE DRIVE EAST	2	0	2	5	9	10	1	0	5	1	0	17	26
030560147	193603023458600	4590 MAJOR MACKENZIE DRIVE EAST	2	0	2	5	9	10	1	0	10	1	0	22	31
030560441	193603023459000	4638 MAJOR MACKENZIE DRIVE EAST	2	0	2	5	9	15	10	5	10	1	5	46	55
030580864	193602014472702	Colty Drive (Block 62, Plan 65M3468)	2	0	4	5	11	10	0	0	0	1	0	11	22
	193602014472700	9970 KENNEDY RD	2	0	1	5	8	15	1	0	10	1	0	27	35
030580865	193602014472700	9980 KENNEDY RD	2	0	1	5	8	15	1	0	10	1	0	27	35
	193602014472700	9990 KENNEDY RD	2	0	1	5	8	15	1	0	10	1	0	27	35
	193603023400300	9995 KENNEDY RD	2	0	5	5	12	15	1	0	10	1	0	27	39
	193602014472700	10000 KENNEDY RD	2	0	1	5	8	15	1	0	10	1	0	27	35
030560385	193602016025000	10060 KENNEDY RD	2	5	5	5	17	15	10	5	15	1	5	51	68
030560070	193602016026000	10080 KENNEDY RD	2	5	5	5	17	15	10	5	15	1	5	51	68
030560437	193602016024001	10080 KENNEDY RD	2	5	5	5	17	15	10	5	15	1	5	51	68
	193603023520000	10225 KENNEDY RD	2	0	2	5	9	10	5	0	5	1	5	26	35
	193603023520000	10227 KENNEDY RD	2	0	2	5	9	5	5	0	5	1	5	21	30
	193602016026000	10228 KENNEDY RD	2	0	5	5	12	15	30	10	15	1	5	76	88
	193603023535000	10379 KENNEDY RD	2	0	2	5	9	15	5	5	10	1	5	41	50
	193603023535000	10411 KENNEDY RD	2	0	2	5	9	15	5	10	15	1	5	51	60
030560416	193602016027500	10450 KENNEDY RD	2	0	4	5	11	10	1	0	5	1	5	22	33
030560415	193602016027000	10476 KENNEDY RD	2	0	2	5	9	15	5	0	15	1	5	41	50
030560418	193602016028500	10504 KENNEDY RD	2	0	2	5	9	10	5	0	5	1	5	26	35
030560452	193603023550000	10537 KENNEDY RD	2	0	2	5	9	10	5	0	5	1	5	26	35
	193603023550000	10539 KENNEDY RD	2	0	2	5	9	10	5	0	5	1	5	26	35
030560132	193603023559500	10715 KENNEDY RD	2	0	2	5	9	10	1	0	5	1	5	22	31
030560131	193603023560000	10725 KENNEDY RD	2	0	2	5	9	10	1	0	5	1	5	22	31
030560108	193603024060500	10809 KENNEDY RD	2	0	4	5	11	10	0	0	5	1	0	16	27
	193603024060700	10835 KENNEDY RD	2	0	2	5	9	10	0	0	5	1	0	16	25
	evaluated in Warden Area	4044 ELGIN MILLS RD E					0							0	n/a
	193602016054000	4402 ELGIN MILLS RD E	2	0	5	5	12	10	1	0	5	1	0	17	29
030560183	193602016029000	4415 ELGIN MILLS RD E	2	0	5	5	12	10	1	0	5	1	0	17	29
030560059	193602016055000	4428 ELGIN MILLS RD E	2	0	5	5	12	10	1	0	5	1	0	17	29
030560060	193602016055500	4438 ELGIN MILLS RD E	2	0	5	5	12	10	1	0	5	1	0	17	29
030560061	193602016056000	4478 ELGIN MILLS RD E	2	0	5	5	12	10	1	0	5	1	0	17	29
030560109	193603024000200	4510 ELGIN MILLS RD E	2	0	4	5	11	15	0	0	5	1	0	21	32
030560442	193603023560500	4551 ELGIN MILLS RD E	2	0	2	5	9	5	5	0	5	1	5	21	30
030560111	193603024000600	4560 ELGIN MILLS RD E	2	0	4	5	11	10	1	0	5	1	0	17	28

6.0 Conclusions

The COS process used various means to evaluate all of the Sites within the study areas in order to provide an understanding of the potential environmental liabilities and risks associated with each land parcel.

Each Site was evaluated using a risk matrix based on Site characteristics and potential risk factors. The Sites were categorized into four levels of potential risk of environmental concern based on the CRS results.

The four categories of environmental concern and related CRS range were as follows:

- High Environmental Concern – CRS greater than 70;
- Medium Environmental Concern – CRS from 46 to 70;
- Low Environmental Concern – CRS from 35 to 45; and
- No Environmental Concerns Identified – CRS less than 35.

The Sites within each study area were sorted into the applicable categories, based on the CRS results. Table 10 lists the number of Sites in each study area that were identified in each category.

Table 10: Potential Risk of Environmental Concern Categories

Potential Risk of Environmental Concern	Warden Study Area	Kennedy Study Area
High Environmental Concern (CRS greater than 70)	1	2
Medium Environmental Concern (CRS 46 to 70)	3	8
Low Environmental Concern (CRS 35 to 45)	10	11
No Environmental Concerns Identified (CRS less than 35)	16	17
	30	38

Although the COS process has evaluated each Site based on site-specific factors, the potential risk of environmental concern estimated for each Site does not represent the findings and conclusions of conducting a full Phase One ESA in full compliance with the requirements of O. Reg. 153/04.

Recommendations for the Sites identified in each category are provided in the next section.

7.0 Recommendations

For Sites identified in the category representing a low level of environmental concern, Phase One ESAs are recommended, for environmental due diligence based on the discretion of York Region in accordance with its policies.

For Sites identified in the category representing a medium level of environmental concern, these are generally Sites associated with a commercial business or commercial activity. For these Sites, Phase One ESAs should be completed and may result in a recommendation to complete Phase Two ESAs.

For Sites identified in the category representing a high level of environmental concern, these are generally Sites where a contaminant source has been identified at the Site. For these Sites, Phase One ESAs should be completed in order to identify details and specific locations of contaminant sources. In addition, Phase Two ESAs should be completed following the Phase One ESAs to better define the contaminant source. This is accomplished by delineation sampling around and beneath locations where potential sources of contamination were identified by the Phase One ESA.

8.0 Qualifications of the Assessors

The following staff conducted the work presented herein:

Kathleen E. Langstaff, B.Sc., P.Geo., QP_{ESA}

Kathleen Langstaff, P.Geo., QP_{ESA} is a Licensed Professional Geoscientist with over 20 years of experience in environmental investigations. Kathleen is a Qualified Person (QP) as per O. Reg. 153/04, for the purposes of conducting Phase One and Two ESAs in support of a Record of Site Condition. Kathleen Langstaff has conducted numerous ESAs including soil and groundwater studies and remediation. For this study, Kathleen conducted the records review, Site evaluations, and report preparation.

9.0 Limitations and Use of Report

R.J. Burnside & Associates Limited (Burnside) confirms that it has completed a Contamination Overview Study for Regional Municipality of York.

The conclusions in this report are professional opinions based upon the available information and Site characteristics interpreted to exist at the time of our assessment.

Burnside does not guarantee the accuracy and reliability of the information provided by other persons or agencies and does not claim responsibility for undisclosed or non-visible environmental concerns that may result in costs for environmental clean-up or remediation.

The results of an investigation of this nature should, in no way, be construed as a warranty that the Sites are free from any and all contamination from past or current practices.

This report was prepared for the use of Regional Municipality of York, and any municipal organization or regulatory agency, to which the report is submitted by the addressees. Any use of, reliance on, or decisions based on this report by a third party are the responsibility of such third parties. Burnside accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this report. Reports or memoranda resulting from this assignment are not to be used, in whole or in part, outside the client's organization without prior written permission.

10.0 References

Alternative Financing and Procurement (AFP) – Geotechnical, Hydrogeology, Environmental Due Diligence Technical Requirements, Civil Infrastructure Projects, Final Draft - January 2016, Infrastructure Ontario (IO). 2016

Environmental Guide for Contaminated Property Identification and Management, Version: October 2006, Ministry of Transportation (MTO). 2006.

National Classification System for Contaminated Sites, Guidance Document, Canadian Council of Ministers of the Environment (CCME). 2008.

Ontario Regulation 153/04: Records of Site Condition – Part XV.1 of the Environmental Protection Act, R.S.O 1990, c. E. 19; Part VII (and Schedule D) Phase One Environmental Site Assessments.

Ontario Geological Survey 2010. 1:50,000 scale. Surficial Geology of Southern Ontario; Ontario Geological Survey, Miscellaneous Release – Data 128 – Revised.

Ontario Geological Survey 2011. 1:250,000 scale. Bedrock geology of Ontario; Ontario Geological Survey, Miscellaneous Release – Data 126 – Revision 1.

Tremaine, Geo. C. Tremaine's Map of the County of York, Canada West. 1860.

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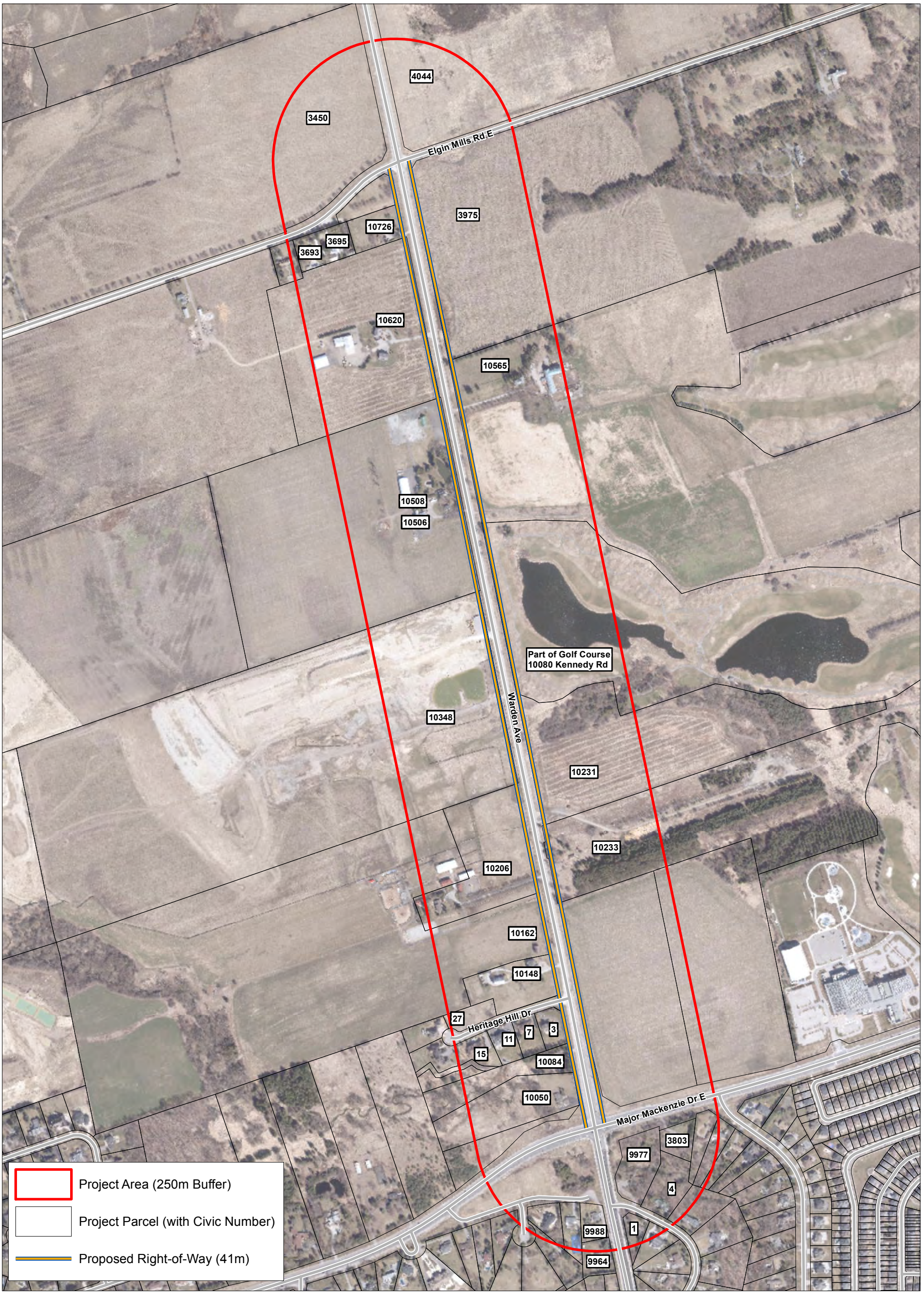
Figures



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True North

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Metres

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Client
REGIONAL MUNICIPALITY OF YORK

Map Title
CONTAMINATION OVERVIEW STUDY
PARCELS WITHIN STUDY AREA
(WARDEN AVE.)

Drawn	Checked	Date	Figure No.
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Scale		Project No.	
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True North

0 100 200 300 400 500

Metres

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Client

REGIONAL MUNICIPALITY OF YORK

Map Title

CONTAMINATION OVERVIEW STUDY

PARCELS WITHIN STUDY AREA (KENNEDY RD.)

Drawn	Checked	Date	Figure No.
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LEGEND

- STUDY AREAS (250 m from Warden / Kennedy)
- ROADWAY
- CONTOUR (5m intervals - masl)
- WATERCOURSE
- 5b: Till: Stone-poor, carbonate-derived silty to sandy till
- 8a: Fine-textured glaciolacustrine deposits: Massive-well laminated
- 9c: Coarse-textured glaciolacustrine deposits: Foreshore-basinal deposits
- 19: Modern alluvial deposits
- 20: Organic deposits

Sources:
1. Ministry of Natural Resources and Forestry, © Queen's Printer for Ontario
2. Natural Resources Canada © Her Majesty the Queen in Right of Canada.
3. Ontario Geological Survey 2010. Surficial Geology of Southern Ontario; Ontario Geological Survey, Miscellaneous Release--Data 128.

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REGIONAL MUNICIPALITY OF YORK

WARDEN AVENUE & KENNEDY ROAD CONTAMINATION OVERVIEW STUDY

Figure Title

SURFICIAL GEOLOGY

Drawn	Checked	Date	Figure No.
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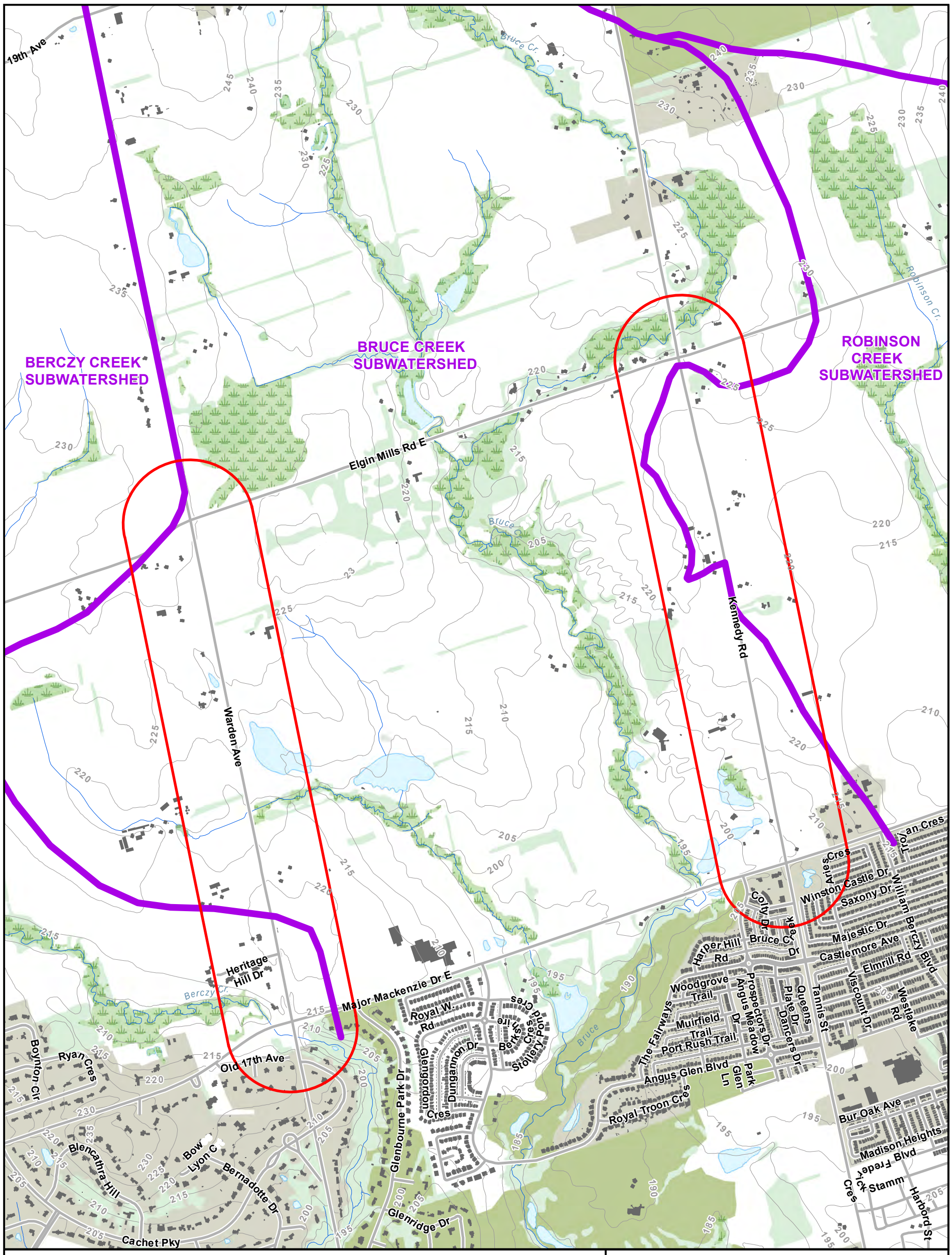

LEGEND

- COS STUDY AREAS (250 m from road)
- SUBWATERSHED BOUNDARY
- BUILDING
- ROADWAY
- CONTOUR (5m intervals - masl)
- WATERCOURSE
- WETLAND
- OPEN WATER
- WOODED AREA
- BUILT-UP AREA: IMPERVIOUS
- BUILT-UP AREA: PERVIOUS

Sources:
1. Ministry of Natural Resources and Forestry, © Queen's Printer for Ontario
2. Natural Resources Canada © Her Majesty the Queen in Right of Canada.

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REGIONAL MUNICIPALITY OF YORK

WARDEN AVENUE & KENNEDY ROAD CONTAMINATION OVERVIEW STUDY

Figure Title

TOPOGRAPHY AND SUBWATERSHEDS

Drawn	Checked	Date	Figure No.
SK	KL	FEBRUARY 2022	4
Scale		Project No.	
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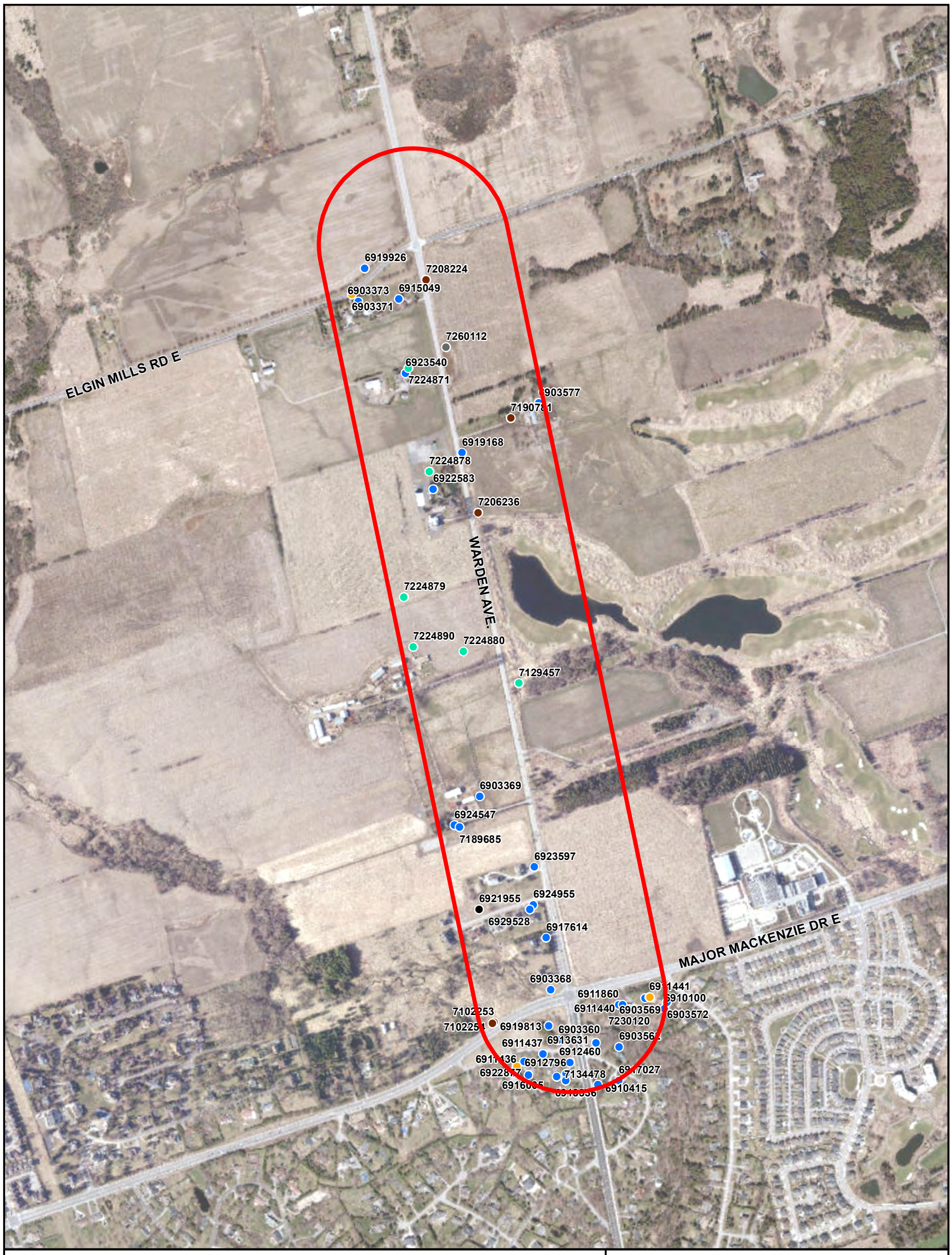

LEGEND

- Study Area

Well Status:

- Water Supply
- Observation Wells
- Monitoring and Test Hole
- Test Hole
- Abandoned-Supply
- Abandoned-Other
- Abandoned-Quality
- Unknown

Sources:

1. Ministry of Natural Resources and Forestry, © Queen's Printer for Ontario
2. Natural Resources Canada © Her Majesty the Queen in Right of Canada.

N

0 100 200 300 400 500 600

Metres

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REGIONAL MUNICIPALITY OF YORK

WARDEN AVENUE & KENNEDY ROAD CONTAMINATION OVERVIEW STUDY

Figure Title

MECP WATER WELL RECORDS (WARDEN AVENUE)

Drawn	Checked	Date	Figure No.
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Scale		Project No.	
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File Path: Nigel/Shared Work Areas/A:\052314 Warden Kennedy Road Widening\06_GIS\052314 Warden Contamination Study.mxd Print Date: 2022/05/11 Time: 09:07 AM

LEGEND

- Study Area

Well Status:

- Water Supply
- Observation Wells
- Test Hole
- Abandoned-Supply
- Abandoned-Other
- Unknown

Sources:

1. Ministry of Natural Resources and Forestry, © Queen's Printer for Ontario
2. Natural Resources Canada © Her Majesty the Queen in Right of Canada.

N

0 100 200 300 400 500 600

Metres

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REGIONAL MUNICIPALITY OF YORK

WARDEN AVENUE & KENNEDY ROAD CONTAMINATION OVERVIEW STUDY

Figure Title

MECP WATER WELL RECORDS (KENNEDY ROAD)

Drawn	Checked	Date	Figure No.
SK	KL	MAY 2022	6
Scale		Project No.	
1:10,000		300052314	

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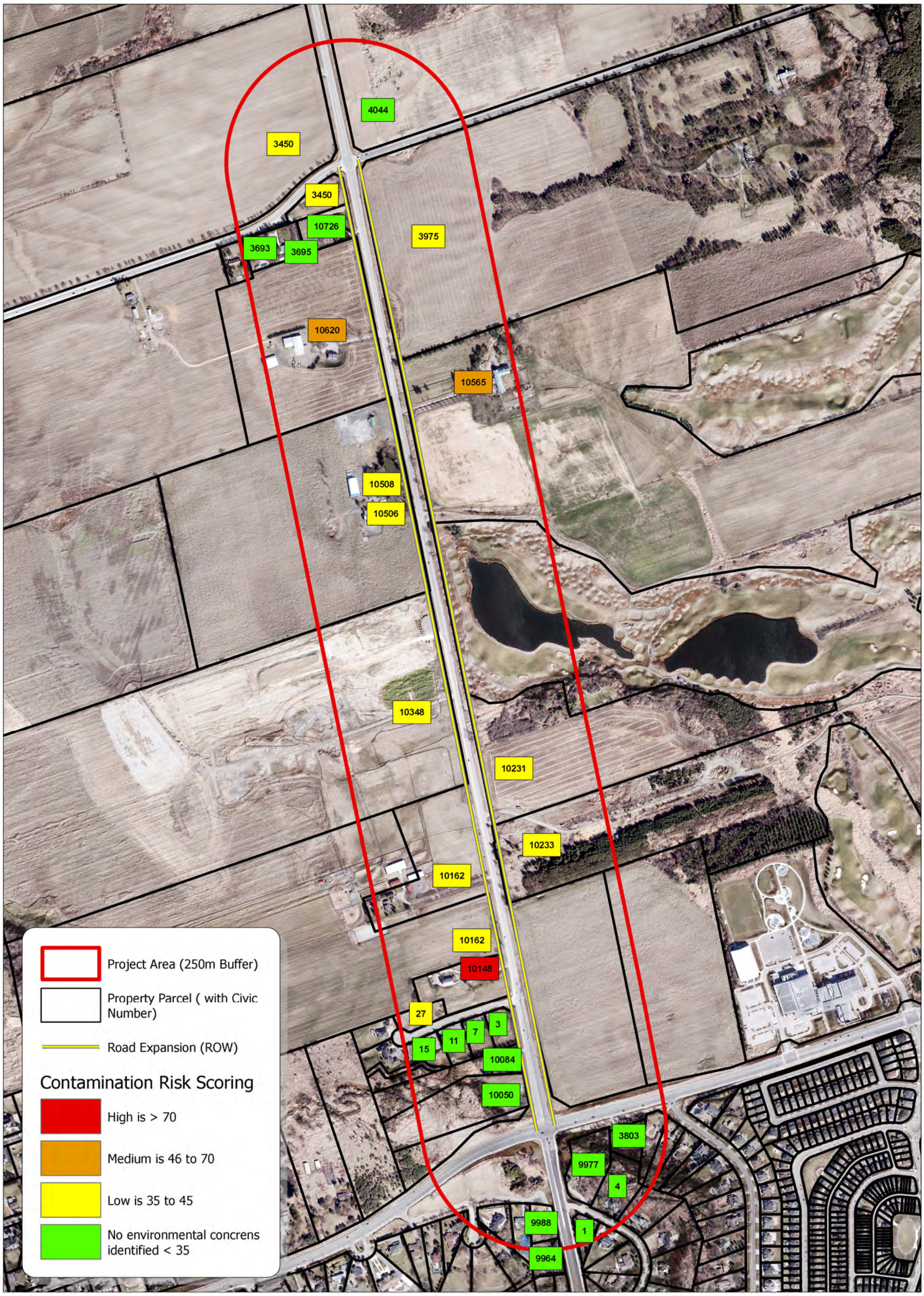

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Metres

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Client
REGIONAL MUNICIPALITY OF YORK

Map Title
CONTAMINATION OVERVIEW STUDY
WARDEN AVENUE
CONTAMINATION RISK SCORING

Drawn	Checked	Date	Figure No.
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Scale		Project No.	
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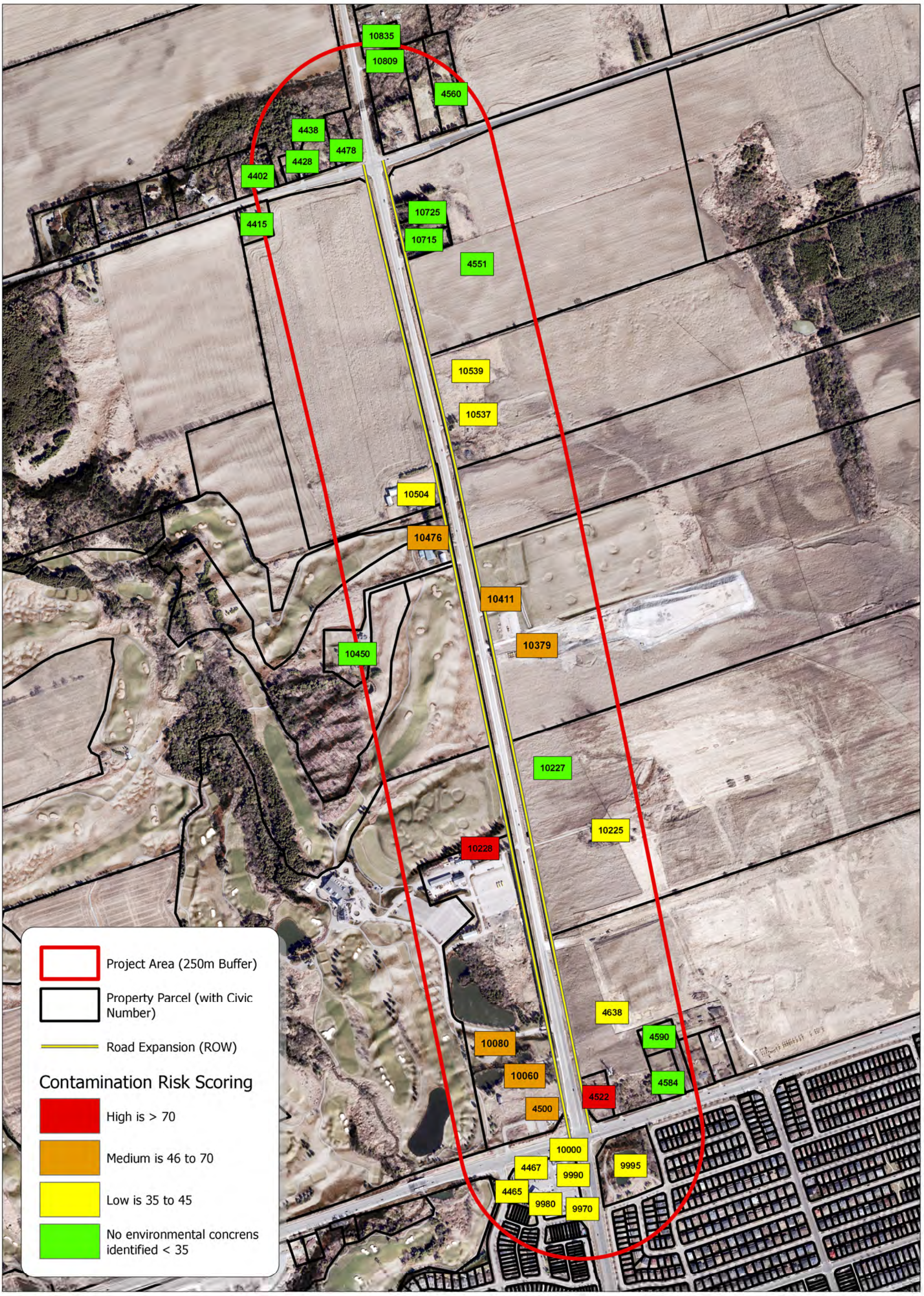

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Central Meridian: 81°0'0.00"W	
False Easting: 500,000m	False Northing: 0m
Page Orientation: 0°	Scale Factor: 0.99960

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Grid North

0 100 200 300 400 500
Metres

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Client
REGIONAL MUNICIPALITY OF YORK

Map Title
CONTAMINATION OVERVIEW STUDY
KENNEDY ROAD
CONTAMINATION RISK SCORING

Drawn	Checked	Date	Figure No.
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Appendix A

Property Information Tables

A1-A. Property Information for Parcels (Sites) in the Warden Avenue Study Area

Site Address	Property Use	Description	PIN	ROLL	On-Site PCA (Y/N)	On-Site PCA Type - High or Low Risk	Adjacent to High Risk PCA (Y/N)	On-Site Waste Generator	Adjacent to Upgradient Waste Generator (Y/N)	On-Site Spill (Y/N)	Adjacent to Upgradient Spill (Y/N)
3803 MAJOR MACKENZIE DR EAST	Residential	House	030570004	193602014480500	N	n/a	N	N	N	N	N
1 CACHET PARKWAY	Residential	House	030570108	193602014454600	N	n/a	N	N	N	N	N
4 CACHET PARKWAY	Residential	House	030570043	193602014456600	N	n/a	N	N	N	N	N
3 HERITAGE HILL DRIVE	Residential	House	030530117	193602016014410	N	n/a	N	N	N	N	N
7 HERITAGE HILL DRIVE	Residential	House	030530118	193602016014420	N	n/a	N	N	N	N	N
11 HERITAGE HILL DRIVE	Residential	House	030530119	193602016014430	N	n/a	N	N	N	N	N
15 HERITAGE HILL DRIVE	Residential	House	030530120	193602016014440	N	n/a	N	N	N	N	N
27 HERITAGE HILL DRIVE	Residential	House	030530123	193602016014470	N	n/a	**Y**	N	N	N	N
9964 WARDEN AVENUE	Residential	House	030500073	193602013865800	N	n/a	N	N	N	N	N
9977 WARDEN AVENUE	Residential	House	030570057	193602014453000	N	n/a	N	N	N	N	N
9988 WARDEN AVENUE	Residential	House	030500074	193602013865600	N	n/a	N	N	N	N	N
10050 WARDEN AVENUE	Residential	House	030530112	193602016014200	N	n/a	N	N	N	N	N
10084 WARDEN AVENUE	Residential	House	030530113	193602016014300	N	n/a	N	N	N	N	N
10148 WARDEN AVENUE	Residential / Commercial	House and Business	030530173	193602016014500	**Y**	High (PCA 28)	N	N	N	N	N
10162 WARDEN AVENUE	Agricultural	Farmland		193602016016007	Y	Low (PCA 40)	**Y**	N	N	N	N
10206 WARDEN AVENUE	Residential / Agricultural	House and Farmland	030530171	193602016015200	Y	Low (PCA 40)	N	N	N	N	N
10231 WARDEN AVENUE	Agricultural	Farmland		193602016024001	Y	Low (PCA 40)	N	N	N	N	N
10233 WARDEN AVENUE	Agricultural	Farmland		193602016024001	Y	Low (PCA 40)	N	N	N	N	N
10348 WARDEN AVENUE	Residential	under development	030531515	193602016016006	Y	Low (PCA 40)	N	N	N	N	N
10506 WARDEN AVENUE	Residential / Agricultural	House and Farmland	030531745	193602016017000	Y	Low (PCA 40)	N	N	N	N	N
10508 WARDEN AVENUE	Residential / Agricultural	House and Farmland		193602016017000	Y	Low (PCA 40)	N	N	Y	N	N
10565 WARDEN AVENUE	Residential / Commercial / Agricultural	House, Business, and Farmland		193602016020000	Y	Low (PCA 40)	N	N	N	N	N
10620 WARDEN AVENUE	Residential / Commercial / Agricultural	House, Business, and Farmland	030530183	193602016018000	Y	Low (PCA 40)	N	Y	N	N	N
10620 WARDEN AVENUE	Residential / Commercial / Agricultural	House, Business, and Farmland	030531521	193602016041500	Y	Low (PCA 40)	N	N	N	N	N
10726 WARDEN AVENUE	Residential	House	030530161	193602016043500	N	n/a	N	N	N	N	N
3450 ELGIN MILLS RD E	Agricultural	Farmland	030550008	193602016049000	Y	Low (PCA 40)	N	N	N	N	N
3693 ELGIN MILLS RD E	Residential	House	030530160	193602016043000	N	n/a	N	N	N	N	N
3695 ELGIN MILLS RD E	Residential	House	030530160	193602016043000	N	n/a	N	N	N	N	N
3975 ELGIN MILLS RD E	Residential	House		193602016044030	Y	Low (PCA 40)	N	N	N	N	N
4044 ELGIN MILLS RD E	Agricultural	Farmland	030560052	193602016050500	Y	Low (PCA 40)	N	N	N	N	N

Locate property on zoning map

Address	3803 MAJOR MACKENZIE DR E	
Property Roll Number	1936020144805000000	
Zoning Bylaw	BY-LAW 304-87 as amended	
Zoning Designation	RRE O1	
Official Plan Designation	Residential Estate Greenway	
Site Plan Control	No	
Federal Airport	Subject property is NOT located within the Federal Airport Zoning Order	
Oak Ridges Moraine	Subject property is NOT located within the Oak Ridges Moraine	
Provincial Greenbelt	Subject property is NOT located within the Provincial Greenbelt	
Toronto Region Conservation Authority	Subject property is located with the TRCA Screening Zone	
Highly Vunerable Aquifers	Yes	
Well Head Protection Area Water Quantity	No	
Markham Register of Property of Cultural Heritage Value or Interest	No	
Ministry of Transportation	Subject property is NOT located within the MTO Screening Zone	
Development District	West	
Ward	6	
Assumption Status of Subdivision	Assumed	

NEW SEARCH

PROPERTY DETAILS SEARCH

For a thorough interpretation of any proposed use or development standard, please perform a zoning search. A non-refundable fee of $50 applies to each zoning search and search results will be provided within 10 business days. To locate the property on a map please click on the 'locate property on zoning map' link below.

Locate property on zoning map

Address	1 CACHET PKY	
Property Roll Number	1936020144546000000	
Zoning Bylaw	BY-LAW 304-87 as amended	
Zoning Designation	RRE	
Official Plan Designation	Residential Estate	
Site Plan Control	No	
Federal Airport	Subject property is NOT located within the Federal Airport Zoning Order	
Oak Ridges Moraine	Subject property is NOT located within the Oak Ridges Moraine	
Provincial Greenbelt	Subject property is NOT located within the Provincial Greenbelt	
Toronto Region Conservation Authority	Subject property is NOT located within the TRCA Screening Zone	
Highly Vunerable Aquifers	Yes	
Well Head Protection Area Water Quantity	No	
Markham Register of Property of Cultural Heritage Value or Interest	No	
Ministry of Transportation	Subject property is NOT located within the MTO Screening Zone	
Development District	West	
Ward	6	
Assumption Status of Subdivision	Assumed	

Locate property on zoning map

Address	4 CACHET PKY	
Property Roll Number	1936020144566000000	
Zoning Bylaw	BY-LAW 304-87 as amended	
Zoning Designation	RRE O1	
Official Plan Designation	Residential Estate Greenway	
Site Plan Control	No	
Federal Airport	Subject property is NOT located within the Federal Airport Zoning Order	
Oak Ridges Moraine	Subject property is NOT located within the Oak Ridges Moraine	
Provincial Greenbelt	Subject property is NOT located within the Provincial Greenbelt	
Toronto Region Conservation Authority	Subject property is located with the TRCA Screening Zone	
Highly Vunerable Aquifers	Yes	
Well Head Protection Area Water Quantity	No	
Markham Register of Property of Cultural Heritage Value or Interest	No	
Ministry of Transportation	Subject property is NOT located within the MTO Screening Zone	
Development District	West	
Ward	6	
Assumption Status of Subdivision	Assumed	

NEW SEARCH

PROPERTY DETAILS SEARCH

For a thorough interpretation of any proposed use or development standard, please perform a zoning search. A non-refundable fee of $50 applies to each zoning search and search results will be provided within 10 business days. To locate the property on a map please click on the 'locate property on zoning map' link below.

Locate property on zoning map

Address	3 HERITAGE HILL DR	
Property Roll Number	1936020160144100000	
Zoning Bylaw	BY-LAW 304-87 as amended	
Zoning Designation	RRE	
Official Plan Designation	Residential Estate	
Site Plan Control	No	
Federal Airport	Subject property is NOT located within the Federal Airport Zoning Order	
Oak Ridges Moraine	Subject property is NOT located within the Oak Ridges Moraine	
Provincial Greenbelt	Subject property is located with the Provincial Greenbelt	
Toronto Region Conservation Authority	Subject property is NOT located within the TRCA Screening Zone	
Highly Vunerable Aquifers	Yes	
Well Head Protection Area Water Quantity	No	
Markham Register of Property of Cultural Heritage Value or Interest	No	
Ministry of Transportation	Subject property is NOT located within the MTO Screening Zone	
Development District	West	
Ward	2	
Assumption Status of Subdivision	Accepted	

PROPERTY DETAILS SEARCH

For a thorough interpretation of any proposed use or development standard, please perform a zoning search. A non-refundable fee of $50 applies to each zoning search and search results will be provided within 10 business days. To locate the property on a map please click on the 'locate property on zoning map' link below.

Locate property on zoning map

Address	7 HERITAGE HILL DR	
Property Roll Number	1936020160144200000	
Zoning Bylaw	BY-LAW 304-87 as amended	
Zoning Designation	RRE	
Official Plan Designation	Residential Estate	
Site Plan Control	No	
Federal Airport	Subject property is NOT located within the Federal Airport Zoning Order	
Oak Ridges Moraine	Subject property is NOT located within the Oak Ridges Moraine	
Provincial Greenbelt	Subject property is located with the Provincial Greenbelt	
Toronto Region Conservation Authority	Subject property is located with the TRCA Screening Zone	
Highly Vunerable Aquifers	Yes	
Well Head Protection Area Water Quantity	No	
Markham Register of Property of Cultural Heritage Value or Interest	No	
Ministry of Transportation	Subject property is NOT located within the MTO Screening Zone	
Development District	West	
Ward	2	
Assumption Status of Subdivision	Accepted	

PROPERTY DETAILS SEARCH

For a thorough interpretation of any proposed use or development standard, please perform a zoning search. A non-refundable fee of $50 applies to each zoning search and search results will be provided within 10 business days. To locate the property on a map please click on the 'locate property on zoning map' link below.

Locate property on zoning map

Address	11 HERITAGE HILL DR	
Property Roll Number	1936020160144300000	
Zoning Bylaw	BY-LAW 304-87 as amended	
Zoning Designation	RRE	
Official Plan Designation	Residential Estate	
Site Plan Control	No	
Federal Airport	Subject property is NOT located within the Federal Airport Zoning Order	
Oak Ridges Moraine	Subject property is NOT located within the Oak Ridges Moraine	
Provincial Greenbelt	Subject property is located with the Provincial Greenbelt	
Toronto Region Conservation Authority	Subject property is located with the TRCA Screening Zone	
Highly Vunerable Aquifers	Yes	
Well Head Protection Area Water Quantity	No	
Markham Register of Property of Cultural Heritage Value or Interest	No	
Ministry of Transportation	Subject property is NOT located within the MTO Screening Zone	
Development District	West	
Ward	2	
Assumption Status of Subdivision	Accepted	

PROPERTY DETAILS SEARCH

For a thorough interpretation of any proposed use or development standard, please perform a zoning search. A non-refundable fee of $50 applies to each zoning search and search results will be provided within 10 business days. To locate the property on a map please click on the 'locate property on zoning map' link below.

Locate property on zoning map

Address	15 HERITAGE HILL DR	
Property Roll Number	1936020160144400000	
Zoning Bylaw	BY-LAW 304-87 as amended	
Zoning Designation	RRE	
Official Plan Designation	Residential Estate	
Site Plan Control	No	
Federal Airport	Subject property is NOT located within the Federal Airport Zoning Order	
Oak Ridges Moraine	Subject property is NOT located within the Oak Ridges Moraine	
Provincial Greenbelt	Subject property is located with the Provincial Greenbelt	
Toronto Region Conservation Authority	Subject property is located with the TRCA Screening Zone	
Highly Vunerable Aquifers	Yes	
Well Head Protection Area Water Quantity	No	
Markham Register of Property of Cultural Heritage Value or Interest	No	
Ministry of Transportation	Subject property is NOT located within the MTO Screening Zone	
Development District	West	
Ward	2	
Assumption Status of Subdivision	Accepted	

PROPERTY DETAILS SEARCH

For a thorough interpretation of any proposed use or development standard, please perform a zoning search. A non-refundable fee of $50 applies to each zoning search and search results will be provided within 10 business days. To locate the property on a map please click on the 'locate property on zoning map' link below.

Locate property on zoning map

Address	27 HERITAGE HILL DR	
Property Roll Number	1936020160144700000	
Zoning Bylaw	BY-LAW 304-87 as amended	
Zoning Designation	RRE	
Official Plan Designation	Residential Estate	
Site Plan Control	No	
Federal Airport	Subject property is NOT located within the Federal Airport Zoning Order	
Oak Ridges Moraine	Subject property is NOT located within the Oak Ridges Moraine	
Provincial Greenbelt	Subject property is NOT located within the Provincial Greenbelt	
Toronto Region Conservation Authority	Subject property is located with the TRCA Screening Zone	
Highly Vunerable Aquifers	No	
Well Head Protection Area Water Quantity	No	
Markham Register of Property of Cultural Heritage Value or Interest	No	
Ministry of Transportation	Subject property is NOT located within the MTO Screening Zone	
Development District	West	
Ward	2	
Assumption Status of Subdivision	Accepted	

PROPERTY DETAILS SEARCH

For a thorough interpretation of any proposed use or development standard, please perform a zoning search. A non-refundable fee of $50 applies to each zoning search and search results will be provided within 10 business days. To locate the property on a map please click on the 'locate property on zoning map' link below.

Locate property on zoning map

Address	9964 WARDEN AVE	
Property Roll Number	1936020138658000000	
Zoning Bylaw	BY-LAW 304-87 as amended	
Zoning Designation	RRE	
Official Plan Designation	Residential Estate	
Site Plan Control	No	
Federal Airport	Subject property is NOT located within the Federal Airport Zoning Order	
Oak Ridges Moraine	Subject property is NOT located within the Oak Ridges Moraine	
Provincial Greenbelt	Subject property is NOT located within the Provincial Greenbelt	
Toronto Region Conservation Authority	Subject property is NOT located within the TRCA Screening Zone	
Highly Vunerable Aquifers	Yes	
Well Head Protection Area Water Quantity	No	
Markham Register of Property of Cultural Heritage Value or Interest	No	
Ministry of Transportation	Subject property is NOT located within the MTO Screening Zone	
Development District	West	
Ward	2	
Assumption Status of Subdivision	Assumed	

Locate property on zoning map

Address	9977 WARDEN AVE	
Property Roll Number	1936020144530000000	
Zoning Bylaw	BY-LAW 304-87 as amended	
Zoning Designation	O1 RRE	
Official Plan Designation	Greenway Residential Estate	
Site Plan Control	No	
Federal Airport	Subject property is NOT located within the Federal Airport Zoning Order	
Oak Ridges Moraine	Subject property is NOT located within the Oak Ridges Moraine	
Provincial Greenbelt	Subject property is NOT located within the Provincial Greenbelt	
Toronto Region Conservation Authority	Subject property is located with the TRCA Screening Zone	
Highly Vunerable Aquifers	Yes	
Well Head Protection Area Water Quantity	No	
Markham Register of Property of Cultural Heritage Value or Interest	No	
Ministry of Transportation	Subject property is NOT located within the MTO Screening Zone	
Development District	West	
Ward	6	
Assumption Status of Subdivision	Assumed	

PROPERTY DETAILS SEARCH

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Locate property on zoning map

Address	9988 WARDEN AVE	
Property Roll Number	1936020138656000000	
Zoning Bylaw	BY-LAW 304-87 as amended	
Zoning Designation	RRE	
Official Plan Designation	Residential Estate	
Site Plan Control	No	
Federal Airport	Subject property is NOT located within the Federal Airport Zoning Order	
Oak Ridges Moraine	Subject property is NOT located within the Oak Ridges Moraine	
Provincial Greenbelt	Subject property is NOT located within the Provincial Greenbelt	
Toronto Region Conservation Authority	Subject property is NOT located within the TRCA Screening Zone	
Highly Vunerable Aquifers	No	
Well Head Protection Area Water Quantity	No	
Markham Register of Property of Cultural Heritage Value or Interest	No	
Ministry of Transportation	Subject property is NOT located within the MTO Screening Zone	
Development District	West	
Ward	2	
Assumption Status of Subdivision	Assumed	

Locate property on zoning map

Address	10050 WARDEN AVE	
Property Roll Number	1936020160142000000	
Zoning Bylaw	BY-LAW 304-87 as amended	
Zoning Designation	RR2 O1	
Official Plan Designation	Residential Estate Greenway	
Site Plan Control	No	
Federal Airport	Subject property is NOT located within the Federal Airport Zoning Order	
Oak Ridges Moraine	Subject property is NOT located within the Oak Ridges Moraine	
Provincial Greenbelt	Subject property is located with the Provincial Greenbelt	
Toronto Region Conservation Authority	Subject property is located with the TRCA Screening Zone	
Highly Vunerable Aquifers	Yes	
Well Head Protection Area Water Quantity	No	
Markham Register of Property of Cultural Heritage Value or Interest	No	
Ministry of Transportation	Subject property is NOT located within the MTO Screening Zone	
Development District	West	
Ward	2	
Assumption Status of Subdivision		

Locate property on zoning map

Address	10084 WARDEN AVE	
Property Roll Number	1936020160143000000	
Zoning Bylaw	BY-LAW 304-87 as amended	
Zoning Designation	RR2 O1	
Official Plan Designation	Greenway Residential Estate	
Site Plan Control	No	
Federal Airport	Subject property is NOT located within the Federal Airport Zoning Order	
Oak Ridges Moraine	Subject property is NOT located within the Oak Ridges Moraine	
Provincial Greenbelt	Subject property is located with the Provincial Greenbelt	
Toronto Region Conservation Authority	Subject property is located with the TRCA Screening Zone	
Highly Vunerable Aquifers	Yes	
Well Head Protection Area Water Quantity	No	
Markham Register of Property of Cultural Heritage Value or Interest	No	
Ministry of Transportation	Subject property is NOT located within the MTO Screening Zone	
Development District	West	
Ward	2	
Assumption Status of Subdivision		

Locate property on zoning map

Address	10148 WARDEN AVE	
Property Roll Number	1936020160145000000	
Zoning Bylaw	BY-LAW 304-87 as amended	
Zoning Designation	RR1 A1	
Official Plan Designation	Residential Estate Future Neighbourhood Area	
Site Plan Control	No	
Federal Airport	Subject property is NOT located within the Federal Airport Zoning Order	
Oak Ridges Moraine	Subject property is NOT located within the Oak Ridges Moraine	
Provincial Greenbelt	Subject property is NOT located within the Provincial Greenbelt	
Toronto Region Conservation Authority	Subject property is NOT located within the TRCA Screening Zone	
Highly Vunerable Aquifers	Yes	
Well Head Protection Area Water Quantity	No	
Markham Register of Property of Cultural Heritage Value or Interest	Yes	
Ministry of Transportation	Subject property is NOT located within the MTO Screening Zone	
Development District	West	
Ward	2	
Assumption Status of Subdivision		

Locate property on zoning map

Address	10162 WARDEN AVE	
Property Roll Number	1936020160160070000	
Zoning Bylaw	BY-LAW 304-87 as amended	
Zoning Designation	RRE A1 RR2 RR1 O1 INST RR4	
Official Plan Designation	Residential Estate Greenway Future Neighbourhood Area	
Site Plan Control	No	
Federal Airport	Subject property is NOT located within the Federal Airport Zoning Order	
Oak Ridges Moraine	Subject property is NOT located within the Oak Ridges Moraine	
Provincial Greenbelt	Subject property is located with the Provincial Greenbelt	
Toronto Region Conservation Authority	Subject property is located with the TRCA Screening Zone	
Highly Vunerable Aquifers	Yes	
Well Head Protection Area Water Quantity	No	
Markham Register of Property of Cultural Heritage Value or Interest	No	
Ministry of Transportation	Subject property is NOT located within the MTO Screening Zone	
Development District	West	
Ward	2	

PROPERTY DETAILS SEARCH

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Locate property on zoning map

Address	10206 WARDEN AVE	
Property Roll Number	1936020160152000000	
Zoning Bylaw	BY-LAW 304-87 as amended	
Zoning Designation	RR4	
Official Plan Designation	Future Neighbourhood Area	
Site Plan Control	No	
Federal Airport	Subject property is NOT located within the Federal Airport Zoning Order	
Oak Ridges Moraine	Subject property is NOT located within the Oak Ridges Moraine	
Provincial Greenbelt	Subject property is NOT located within the Provincial Greenbelt	
Toronto Region Conservation Authority	Subject property is located with the TRCA Screening Zone	
Highly Vunerable Aquifers	No	
Well Head Protection Area Water Quantity	No	
Markham Register of Property of Cultural Heritage Value or Interest	No	
Ministry of Transportation	Subject property is NOT located within the MTO Screening Zone	
Development District	North	
Ward	2	
Assumption Status of Subdivision		

Locate property on zoning map

Address	10231 WARDEN AVE	
Property Roll Number	1936020160240010000	
Zoning Bylaw	BY-LAW 304-87 as amended	
Zoning Designation	A1 CR O1	
Official Plan Designation	Greenway Future Neighbourhood Area	
Site Plan Control	No	
Federal Airport	Subject property is NOT located within the Federal Airport Zoning Order	
Oak Ridges Moraine	Subject property is NOT located within the Oak Ridges Moraine	
Provincial Greenbelt	Subject property is located with the Provincial Greenbelt	
Toronto Region Conservation Authority	Subject property is located with the TRCA Screening Zone	
Highly Vunerable Aquifers	Yes	
Well Head Protection Area Water Quantity	No	
Markham Register of Property of Cultural Heritage Value or Interest	No	
Ministry of Transportation	Subject property is NOT located within the MTO Screening Zone	
Development District	North	
Ward	6	
Assumption Status of Subdivision		

Locate property on zoning map

Address	10233 WARDEN AVE	
Property Roll Number	1936020160240010000	
Zoning Bylaw	BY-LAW 304-87 as amended	
Zoning Designation	A1 CR O1	
Official Plan Designation	Greenway Future Neighbourhood Area	
Site Plan Control	No	
Federal Airport	Subject property is NOT located within the Federal Airport Zoning Order	
Oak Ridges Moraine	Subject property is NOT located within the Oak Ridges Moraine	
Provincial Greenbelt	Subject property is located with the Provincial Greenbelt	
Toronto Region Conservation Authority	Subject property is located with the TRCA Screening Zone	
Highly Vunerable Aquifers	Yes	
Well Head Protection Area Water Quantity	No	
Markham Register of Property of Cultural Heritage Value or Interest	No	
Ministry of Transportation	Subject property is NOT located within the MTO Screening Zone	
Development District	North	
Ward	6	
Assumption Status of Subdivision		

Locate property on zoning map

Address	10348 WARDEN AVE
Property Roll Number	1936020160160060000
Zoning Bylaw	BY-LAW 177-96 as amended BY-LAW 304-87 as amended
Zoning Designation	R2-S*648 OS2 OS1 R2-LA*650 R3*651 R2-LA*640 R2-S*653 CA2*649 R2-S*652 A1
Official Plan Designation	Greenway Future Neighbourhood Area
Site Plan Control	No
Federal Airport	Subject property is NOT located within the Federal Airport Zoning Order
Oak Ridges Moraine	Subject property is NOT located within the Oak Ridges Moraine
Provincial Greenbelt	Subject property is NOT located within the Provincial Greenbelt
Toronto Region Conservation Authority	Subject property is located with the TRCA Screening Zone
Highly Vunerable Aquifers	Yes
Well Head Protection Area Water Quantity	Yes
Markham Register of Property of Cultural Heritage Value or Interest	No
Ministry of Transportation	Subject property is NOT located within the MTO Screening Zone

PROPERTY DETAILS SEARCH

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Locate property on zoning map

Address	10506 WARDEN AVE	
Property Roll Number	1936020160170000000	
Zoning Bylaw	BY-LAW 304-87 as amended	
Zoning Designation	A1	
Official Plan Designation	Future Neighbourhood Area	
Site Plan Control	No	
Federal Airport	Subject property is NOT located within the Federal Airport Zoning Order	
Oak Ridges Moraine	Subject property is NOT located within the Oak Ridges Moraine	
Provincial Greenbelt	Subject property is NOT located within the Provincial Greenbelt	
Toronto Region Conservation Authority	Subject property is NOT located within the TRCA Screening Zone	
Highly Vunerable Aquifers	Yes	
Well Head Protection Area Water Quantity	Yes	
Markham Register of Property of Cultural Heritage Value or Interest	Yes	
Ministry of Transportation	Subject property is NOT located within the MTO Screening Zone	
Development District	North	
Ward	2	
Assumption Status of Subdivision		

PROPERTY DETAILS SEARCH

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Locate property on zoning map

Address	10508 WARDEN AVE	
Property Roll Number	1936020160170000000	
Zoning Bylaw	BY-LAW 304-87 as amended	
Zoning Designation	A1	
Official Plan Designation	Future Neighbourhood Area	
Site Plan Control	No	
Federal Airport	Subject property is NOT located within the Federal Airport Zoning Order	
Oak Ridges Moraine	Subject property is NOT located within the Oak Ridges Moraine	
Provincial Greenbelt	Subject property is NOT located within the Provincial Greenbelt	
Toronto Region Conservation Authority	Subject property is NOT located within the TRCA Screening Zone	
Highly Vunerable Aquifers	Yes	
Well Head Protection Area Water Quantity	Yes	
Markham Register of Property of Cultural Heritage Value or Interest	Yes	
Ministry of Transportation	Subject property is NOT located within the MTO Screening Zone	
Development District	North	
Ward	2	
Assumption Status of Subdivision		

Locate property on zoning map

Address	10565 WARDEN AVE	
Property Roll Number	1936020160200000000	
Zoning Bylaw	BY-LAW 304-87 as amended	
Zoning Designation	A1 CR O1	
Official Plan Designation	Greenway Future Neighbourhood Area	
Site Plan Control	No	
Federal Airport	Subject property is NOT located within the Federal Airport Zoning Order	
Oak Ridges Moraine	Subject property is NOT located within the Oak Ridges Moraine	
Provincial Greenbelt	Subject property is located with the Provincial Greenbelt	
Toronto Region Conservation Authority	Subject property is located with the TRCA Screening Zone	
Highly Vunerable Aquifers	Yes	
Well Head Protection Area Water Quantity	Yes	
Markham Register of Property of Cultural Heritage Value or Interest	No	
Ministry of Transportation	Subject property is NOT located within the MTO Screening Zone	
Development District	North	
Ward	6	
Assumption Status of Subdivision		

PROPERTY DETAILS SEARCH

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Locate property on zoning map

Address	10620 WARDEN AVE	
Property Roll Number	1936020160180000000	
Zoning Bylaw	BY-LAW 304-87 as amended	
Zoning Designation	A1	
Official Plan Designation	Future Neighbourhood Area	
Site Plan Control	No	
Federal Airport	Subject property is NOT located within the Federal Airport Zoning Order	
Oak Ridges Moraine	Subject property is NOT located within the Oak Ridges Moraine	
Provincial Greenbelt	Subject property is NOT located within the Provincial Greenbelt	
Toronto Region Conservation Authority	Subject property is NOT located within the TRCA Screening Zone	
Highly Vunerable Aquifers	No	
Well Head Protection Area Water Quantity	Yes	
Markham Register of Property of Cultural Heritage Value or Interest	No	
Ministry of Transportation	Subject property is NOT located within the MTO Screening Zone	
Development District	North	
Ward	2	
Assumption Status of Subdivision		

PROPERTY DETAILS SEARCH

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Locate property on zoning map

Address	10726 WARDEN AVE	
Property Roll Number	1936020160435000000	
Zoning Bylaw	BY-LAW 304-87 as amended	
Zoning Designation	RR2	
Official Plan Designation	Future Neighbourhood Area	
Site Plan Control	No	
Federal Airport	Subject property is NOT located within the Federal Airport Zoning Order	
Oak Ridges Moraine	Subject property is NOT located within the Oak Ridges Moraine	
Provincial Greenbelt	Subject property is NOT located within the Provincial Greenbelt	
Toronto Region Conservation Authority	Subject property is NOT located within the TRCA Screening Zone	
Highly Vunerable Aquifers	No	
Well Head Protection Area Water Quantity	Yes	
Markham Register of Property of Cultural Heritage Value or Interest	No	
Ministry of Transportation	Subject property is NOT located within the MTO Screening Zone	
Development District	North	
Ward	2	
Assumption Status of Subdivision		

Locate property on zoning map

Address	3450 ELGIN MILLS RD E	
Property Roll Number	1936020160490000000	
Zoning Bylaw	BY-LAW 304-87 as amended	
Zoning Designation	A1 O1	
Official Plan Designation	Future Employment Area Greenway	
Site Plan Control	No	
Federal Airport	Subject property is NOT located within the Federal Airport Zoning Order	
Oak Ridges Moraine	Subject property is NOT located within the Oak Ridges Moraine	
Provincial Greenbelt	Subject property is located with the Provincial Greenbelt	
Toronto Region Conservation Authority	Subject property is located with the TRCA Screening Zone	
Highly Vunerable Aquifers	Yes	
Well Head Protection Area Water Quantity	Yes	
Markham Register of Property of Cultural Heritage Value or Interest	Yes	
Ministry of Transportation	Subject property is NOT located within the MTO Screening Zone	
Development District	North	
Ward	2	
Assumption Status of Subdivision		

PROPERTY DETAILS SEARCH

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Locate property on zoning map

Address	3693 ELGIN MILLS RD E	
Property Roll Number	1936020160430000000	
Zoning Bylaw	BY-LAW 304-87 as amended	
Zoning Designation	RR2	
Official Plan Designation	Future Neighbourhood Area	
Site Plan Control	No	
Federal Airport	Subject property is NOT located within the Federal Airport Zoning Order	
Oak Ridges Moraine	Subject property is NOT located within the Oak Ridges Moraine	
Provincial Greenbelt	Subject property is NOT located within the Provincial Greenbelt	
Toronto Region Conservation Authority	Subject property is NOT located within the TRCA Screening Zone	
Highly Vunerable Aquifers	No	
Well Head Protection Area Water Quantity	Yes	
Markham Register of Property of Cultural Heritage Value or Interest	Yes	
Ministry of Transportation	Subject property is NOT located within the MTO Screening Zone	
Development District	North	
Ward	2	
Assumption Status of Subdivision		

Locate property on zoning map

Address	3695 ELGIN MILLS RD E
Property Roll Number	1936020160430000000
Zoning Bylaw	BY-LAW 304-87 as amended
Zoning Designation	RR2
Official Plan Designation	Future Neighbourhood Area
Site Plan Control	No
Federal Airport	Subject property is NOT located within the Federal Airport Zoning Order
Oak Ridges Moraine	Subject property is NOT located within the Oak Ridges Moraine
Provincial Greenbelt	Subject property is NOT located within the Provincial Greenbelt
Toronto Region Conservation Authority	Subject property is NOT located within the TRCA Screening Zone
Highly Vunerable Aquifers	No
Well Head Protection Area Water Quantity	Yes
Markham Register of Property of Cultural Heritage Value or Interest	Yes
Ministry of Transportation	Subject property is NOT located within the MTO Screening Zone
Development District	North
Ward	2
Assumption Status of Subdivision	

Locate property on zoning map

Address	3975 ELGIN MILLS RD E	
Property Roll Number	1936020160440300000	
Zoning Bylaw	BY-LAW 304-87 as amended	
Zoning Designation	A1 CR O1	
Official Plan Designation	Future Neighbourhood Area Greenway	
Site Plan Control	No	
Federal Airport	Subject property is NOT located within the Federal Airport Zoning Order	
Oak Ridges Moraine	Subject property is NOT located within the Oak Ridges Moraine	
Provincial Greenbelt	Subject property is located with the Provincial Greenbelt	
Toronto Region Conservation Authority	Subject property is located with the TRCA Screening Zone	
Highly Vunerable Aquifers	Yes	
Well Head Protection Area Water Quantity	Yes	
Markham Register of Property of Cultural Heritage Value or Interest	Yes	
Ministry of Transportation	Subject property is NOT located within the MTO Screening Zone	
Development District	North	
Ward	6	
Assumption Status of Subdivision		

Locate property on zoning map

Address	4044 ELGIN MILLS RD E	
Property Roll Number	1936020160505000000	
Zoning Bylaw	BY-LAW 304-87 as amended	
Zoning Designation	A1 O1 RR1	
Official Plan Designation	Countryside Greenway	
Site Plan Control	No	
Federal Airport	Subject property is NOT located within the Federal Airport Zoning Order	
Oak Ridges Moraine	Subject property is NOT located within the Oak Ridges Moraine	
Provincial Greenbelt	Subject property is located with the Provincial Greenbelt	
Toronto Region Conservation Authority	Subject property is located with the TRCA Screening Zone	
Highly Vunerable Aquifers	Yes	
Well Head Protection Area Water Quantity	Yes	
Markham Register of Property of Cultural Heritage Value or Interest	Yes	
Ministry of Transportation	Subject property is NOT located within the MTO Screening Zone	
Development District	West	
Ward	6	
Assumption Status of Subdivision		

A2-A. Property Information for Parcels (Sites) in the Kennedy Road Study Area

Site Address	Property Use	Description	PIN	ROLL	On-Site PCA (Y/N)	On-Site PCA Type - High or Low Risk	Adjacent to High Risk PCA (Y/N)	On-Site Waste Generator	Adjacent to Waste Generator (Y/N)	On-Site Spill (Y/N)	Adjacent to Spill (Y/N)
4465 MAJOR MACKENZIE DRIVE EAST	Commercial	Retail / Wild Wing Restaurant		193602014472700	N	n/a	N	N	N	N	N
4467 MAJOR MACKENZIE DRIVE EAST	Commercial	Retail / Tim Hortons		193602014472700	N	n/a	N	N	N	N	N
4500 MAJOR MACKENZIE DRIVE EAST	Commercial	Kylemore Presentation Centre		193602016026000	N	n/a	**Y**	N	**Y**	N	N
4522 MAJOR MACKENZIE DRIVE EAST	Commercial	vacant - former gas station	030560145	193603023457500	**Y**	High (PCA 28)	N	**Y**	N	N	N
4584 MAJOR MACKENZIE DRIVE EAST	Residential	House	030560146	193603023458500	N	n/a	N	N	N	N	N
4590 MAJOR MACKENZIE DRIVE EAST	Residential	House	030560147	193603023458600	N	n/a	N	N	N	N	N
4638 MAJOR MACKENZIE DRIVE EAST	Residential / Commercial / Agricultural	House, Farmland, under development	030560441	193603023459000	Y	Low (PCA 40)	**Y**	N	N	N	N
Colty Drive (Block 62, Plan 65M3468)	Residential	part of residential property	030580864	193602014472702	N	n/a	N	N	N	N	N
9970 KENNEDY RD	Commercial	TD Canada Trust		193602014472700	N	n/a	N	N	N	N	N
9980 KENNEDY RD	Commercial	Pharmacy, Dry Cleaners, Spa, Dentist	030580865	193602014472700	N	n/a	N	N	N	N	N
9990 KENNEDY RD	Commercial	Symposium Restaurant / Nail Salon		193602014472700	N	n/a	N	N	N	N	N
9995 KENNEDY RD	Residential	Stormwater Ponds for subdivision		193603023400300	N	n/a	N	N	N	N	N
10000 KENNEDY RD	Institutional	Angus Glen Montessori / Daycare		193602014472700	N	n/a	N	N	N	N	N
10060 KENNEDY RD	Commercial	part of Angus Glen Golf Club	030560385	193602016025000	N	n/a	**Y**	N	**Y**	N	N
10080 KENNEDY RD	Commercial	part of Angus Glen Golf Club	030560070	193602016026000	N	n/a	**Y**	N	**Y**	N	N
10080 KENNEDY RD	Commercial	part of Angus Glen Golf Club	030560437	193602016024001	N	n/a	**Y**	N	**Y**	N	N
10225 KENNEDY RD	Residential	House and Farmland		193603023520000	Y	Low (PCA 40)	N	N	N	N	N
10227 KENNEDY RD	Agricultural	Farmland		193603023520000	Y	Low (PCA 40)	N	N	N	N	N
10228 KENNEDY RD	Commercial	part of Angus Glen Golf Club, fuel tanks		193602016026000	**Y**	High (PCA 28)	N	**Y**	N	N	N
10379 KENNEDY RD	Residential / Commercial / Agricultural	House, Commercial, under development		193603023535000	Y	Low (PCA 40)	N	N	**Y**	N	N
10411 KENNEDY RD	Residential / Commercial / Agricultural	House and former golf course		193603023535000	Y	Low (PCA 40)	N	**Y**	N	N	N
10450 KENNEDY RD	Residential	House	030560416	193602016027500	N	n/a	N	N	N	N	N
10476 KENNEDY RD	Residential / Commercial	House, Barn, part of golf course	030560415	193602016027000	N	n/a	N	N	N	**Y**	N
10504 KENNEDY RD	Residential	House	030560418	193602016028500	Y	Low (PCA 40)	N	N	N	N	N
10537 KENNEDY RD	Residential	House	030560452	193603023550000	Y	Low (PCA 40)	N	N	N	N	N
10539 KENNEDY RD	Residential	under development (formerly House)		193603023550000	Y	Low (PCA 40)	N	N	N	N	N
10715 KENNEDY RD	Residential	House	030560132	193603023559500	N	n/a	N	N	N	N	N
10725 KENNEDY RD	Residential	House	030560131	193603023560000	N	n/a	N	N	N	N	N
10809 KENNEDY RD	Residential	House	030560108	193603024060500	N	n/a	N	N	N	N	N
10835 KENNEDY RD	Institutional	Cashel Cemetery		193603024060700	N	n/a	N	N	N	N	N
4402 ELGIN MILLS RD E	Residential	House		193602016054000	N	n/a	N	N	N	N	N
4415 ELGIN MILLS RD E	Residential	House	030560183	193602016029000	N	n/a	N	N	N	N	N
4428 ELGIN MILLS RD E	Residential	House	030560059	193602016055000	N	n/a	N	N	N	N	N
4438 ELGIN MILLS RD E	Residential	House	030560060	193602016055500	N	n/a	N	N	N	N	N
4478 ELGIN MILLS RD E	Residential	House	030560061	193602016056000	N	n/a	N	N	N	N	N
4510 ELGIN MILLS RD E	Residential	House (formerly hotel, post office/store)	030560109	193603024000200	N	n/a	N	N	N	N	N
4551 ELGIN MILLS RD E	Agricultural	Farmland	030560442	193603023560500	Y	Low (PCA 40)	N	N	N	N	N
4560 ELGIN MILLS RD E	Residential	House	030560111	193603024000600	N	n/a	N	N	N	N	N

PROPERTY DETAILS SEARCH

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Locate property on zoning map

Address	4465 MAJOR MACKENZIE DR E
Property Roll Number	1936020144727000000
Zoning Bylaw	BY-LAW 177-96 as amended
Zoning Designation	CA1
Official Plan Designation	Mixed Use Low Rise
Site Plan Control	Yes
Federal Airport	Subject property is NOT located within the Federal Airport Zoning Order
Oak Ridges Moraine	Subject property is NOT located within the Oak Ridges Moraine
Provincial Greenbelt	Subject property is NOT located within the Provincial Greenbelt
Toronto Region Conservation Authority	Subject property is NOT located within the TRCA Screening Zone
Highly Vunerable Aquifers	Yes
Well Head Protection Area Water Quantity	No
Markham Register of Property of Cultural Heritage Value or Interest	Yes
Ministry of Transportation	Subject property is NOT located within the MTO Screening Zone
Development District	West
Ward	6
Assumption Status of Subdivision	Assumed

PROPERTY DETAILS SEARCH

For a thorough interpretation of any proposed use or development standard, please perform a zoning search. A non-refundable fee of $50 applies to each zoning search and search results will be provided within 10 business days. To locate the property on a map please click on the 'locate property on zoning map' link below.

Locate property on zoning map

Address	4467 MAJOR MACKENZIE DR E
Property Roll Number	1936020144727000000
Zoning Bylaw	BY-LAW 177-96 as amended
Zoning Designation	CA1
Official Plan Designation	Mixed Use Low Rise
Site Plan Control	Yes
Federal Airport	Subject property is NOT located within the Federal Airport Zoning Order
Oak Ridges Moraine	Subject property is NOT located within the Oak Ridges Moraine
Provincial Greenbelt	Subject property is NOT located within the Provincial Greenbelt
Toronto Region Conservation Authority	Subject property is NOT located within the TRCA Screening Zone
Highly Vunerable Aquifers	Yes
Well Head Protection Area Water Quantity	No
Markham Register of Property of Cultural Heritage Value or Interest	Yes
Ministry of Transportation	Subject property is NOT located within the MTO Screening Zone
Development District	West
Ward	6
Assumption Status of Subdivision	Assumed

Locate property on zoning map

Address	4500 MAJOR MACKENZIE DR E	
Property Roll Number	1936020160260000000	
Zoning Bylaw	BY-LAW 304-87 as amended	
Zoning Designation	A1 CR O1	
Official Plan Designation	Future Neighbourhood Area Greenway	
Site Plan Control	No	
Federal Airport	Subject property is NOT located within the Federal Airport Zoning Order	
Oak Ridges Moraine	Subject property is NOT located within the Oak Ridges Moraine	
Provincial Greenbelt	Subject property is NOT located within the Provincial Greenbelt	
Toronto Region Conservation Authority	Subject property is located with the TRCA Screening Zone	
Highly Vunerable Aquifers	Yes	
Well Head Protection Area Water Quantity	No	
Markham Register of Property of Cultural Heritage Value or Interest	Yes	
Ministry of Transportation	Subject property is NOT located within the MTO Screening Zone	
Development District	North	
Ward	6	
Assumption Status of Subdivision		

PROPERTY DETAILS SEARCH

For a thorough interpretation of any proposed use or development standard, please perform a zoning search. A non-refundable fee of $50 applies to each zoning search and search results will be provided within 10 business days. To locate the property on a map please click on the 'locate property on zoning map' link below.

Locate property on zoning map

Address	4522 MAJOR MACKENZIE DR E	
Property Roll Number	1936030234575000000	
Zoning Bylaw	BY-LAW 304-87 as amended	
Zoning Designation	A1	
Official Plan Designation	Future Neighbourhood Area	
Site Plan Control	No	
Federal Airport	Subject property is NOT located within the Federal Airport Zoning Order	
Oak Ridges Moraine	Subject property is NOT located within the Oak Ridges Moraine	
Provincial Greenbelt	Subject property is NOT located within the Provincial Greenbelt	
Toronto Region Conservation Authority	Subject property is NOT located within the TRCA Screening Zone	
Highly Vunerable Aquifers	Yes	
Well Head Protection Area Water Quantity	No	
Markham Register of Property of Cultural Heritage Value or Interest	No	
Ministry of Transportation	Subject property is NOT located within the MTO Screening Zone	
Development District	North	
Ward	6	
Assumption Status of Subdivision		

PROPERTY DETAILS SEARCH

For a thorough interpretation of any proposed use or development standard, please perform a zoning search. A non-refundable fee of $50 applies to each zoning search and search results will be provided within 10 business days. To locate the property on a map please click on the 'locate property on zoning map' link below.

Locate property on zoning map

Address	4584 MAJOR MACKENZIE DR E	
Property Roll Number	1936030234585000000	
Zoning Bylaw	BY-LAW 304-87 as amended	
Zoning Designation	A1	
Official Plan Designation	Future Neighbourhood Area	
Site Plan Control	No	
Federal Airport	Subject property is NOT located within the Federal Airport Zoning Order	
Oak Ridges Moraine	Subject property is NOT located within the Oak Ridges Moraine	
Provincial Greenbelt	Subject property is NOT located within the Provincial Greenbelt	
Toronto Region Conservation Authority	Subject property is NOT located within the TRCA Screening Zone	
Highly Vunerable Aquifers	Yes	
Well Head Protection Area Water Quantity	No	
Markham Register of Property of Cultural Heritage Value or Interest	No	
Ministry of Transportation	Subject property is NOT located within the MTO Screening Zone	
Development District	North	
Ward	6	
Assumption Status of Subdivision		

PROPERTY DETAILS SEARCH

For a thorough interpretation of any proposed use or development standard, please perform a zoning search. A non-refundable fee of $50 applies to each zoning search and search results will be provided within 10 business days. To locate the property on a map please click on the 'locate property on zoning map' link below.

Locate property on zoning map

Address	4590 MAJOR MACKENZIE DR E	
Property Roll Number	1936030234586000000	
Zoning Bylaw	BY-LAW 304-87 as amended	
Zoning Designation	RR1	
Official Plan Designation	Future Neighbourhood Area	
Site Plan Control	No	
Federal Airport	Subject property is NOT located within the Federal Airport Zoning Order	
Oak Ridges Moraine	Subject property is NOT located within the Oak Ridges Moraine	
Provincial Greenbelt	Subject property is NOT located within the Provincial Greenbelt	
Toronto Region Conservation Authority	Subject property is NOT located within the TRCA Screening Zone	
Highly Vunerable Aquifers	Yes	
Well Head Protection Area Water Quantity	No	
Markham Register of Property of Cultural Heritage Value or Interest	No	
Ministry of Transportation	Subject property is NOT located within the MTO Screening Zone	
Development District	North	
Ward	6	
Assumption Status of Subdivision		

Locate property on zoning map

Address	4638 MAJOR MACKENZIE DR E	
Property Roll Number	1936030234590000000	
Zoning Bylaw	BY-LAW 304-87 as amended	
Zoning Designation	A1	
Official Plan Designation	Future Neighbourhood Area Greenway	
Site Plan Control	No	
Federal Airport	Subject property is NOT located within the Federal Airport Zoning Order	
Oak Ridges Moraine	Subject property is NOT located within the Oak Ridges Moraine	
Provincial Greenbelt	Subject property is located with the Provincial Greenbelt	
Toronto Region Conservation Authority	Subject property is located with the TRCA Screening Zone	
Highly Vunerable Aquifers	Yes	
Well Head Protection Area Water Quantity	No	
Markham Register of Property of Cultural Heritage Value or Interest	Yes	
Ministry of Transportation	Subject property is NOT located within the MTO Screening Zone	
Development District	North	
Ward	6	
Assumption Status of Subdivision		

parcel on south side of Colty Drive

Locate property on zoning map

Address	
Property Roll Number	1936020144727020000
Zoning Bylaw	BY-LAW 177-96 as amended
Zoning Designation	OS1
Official Plan Designation	Residential Low Rise
Site Plan Control	No
Federal Airport	Subject property is NOT located within the Federal Airport Zoning Order
Oak Ridges Moraine	Subject property is NOT located within the Oak Ridges Moraine
Provincial Greenbelt	Subject property is NOT located within the Provincial Greenbelt
Toronto Region Conservation Authority	Subject property is NOT located within the TRCA Screening Zone
Highly Vunerable Aquifers	No
Well Head Protection Area Water Quantity	No
Markham Register of Property of Cultural Heritage Value or Interest	No
Ministry of Transportation	Subject property is NOT located within the MTO Screening Zone
Development District	West
Ward	6
Assumption Status of Subdivision	Assumed

PROPERTY DETAILS SEARCH

For a thorough interpretation of any proposed use or development standard, please perform a zoning search. A non-refundable fee of $50 applies to each zoning search and search results will be provided within 10 business days. To locate the property on a map please click on the 'locate property on zoning map' link below.

Locate property on zoning map

Address	9970 KENNEDY RD
Property Roll Number	1936020144727000000
Zoning Bylaw	BY-LAW 177-96 as amended
Zoning Designation	CA1
Official Plan Designation	Mixed Use Low Rise
Site Plan Control	Yes
Federal Airport	Subject property is NOT located within the Federal Airport Zoning Order
Oak Ridges Moraine	Subject property is NOT located within the Oak Ridges Moraine
Provincial Greenbelt	Subject property is NOT located within the Provincial Greenbelt
Toronto Region Conservation Authority	Subject property is NOT located within the TRCA Screening Zone
Highly Vunerable Aquifers	Yes
Well Head Protection Area Water Quantity	No
Markham Register of Property of Cultural Heritage Value or Interest	Yes
Ministry of Transportation	Subject property is NOT located within the MTO Screening Zone
Development District	West
Ward	6
Assumption Status of Subdivision	Assumed

PROPERTY DETAILS SEARCH

For a thorough interpretation of any proposed use or development standard, please perform a zoning search. A non-refundable fee of $50 applies to each zoning search and search results will be provided within 10 business days. To locate the property on a map please click on the 'locate property on zoning map' link below.

Locate property on zoning map

Address	9980 KENNEDY RD
Property Roll Number	1936020144727000000
Zoning Bylaw	BY-LAW 177-96 as amended
Zoning Designation	CA1
Official Plan Designation	Mixed Use Low Rise
Site Plan Control	Yes
Federal Airport	Subject property is NOT located within the Federal Airport Zoning Order
Oak Ridges Moraine	Subject property is NOT located within the Oak Ridges Moraine
Provincial Greenbelt	Subject property is NOT located within the Provincial Greenbelt
Toronto Region Conservation Authority	Subject property is NOT located within the TRCA Screening Zone
Highly Vunerable Aquifers	Yes
Well Head Protection Area Water Quantity	No
Markham Register of Property of Cultural Heritage Value or Interest	Yes
Ministry of Transportation	Subject property is NOT located within the MTO Screening Zone
Development District	West
Ward	6
Assumption Status of Subdivision	Assumed

PROPERTY DETAILS SEARCH

For a thorough interpretation of any proposed use or development standard, please perform a zoning search. A non-refundable fee of $50 applies to each zoning search and search results will be provided within 10 business days. To locate the property on a map please click on the 'locate property on zoning map' link below.

Locate property on zoning map

Address	9990 KENNEDY RD
Property Roll Number	1936020144727000000
Zoning Bylaw	BY-LAW 177-96 as amended
Zoning Designation	CA1
Official Plan Designation	Mixed Use Low Rise
Site Plan Control	Yes
Federal Airport	Subject property is NOT located within the Federal Airport Zoning Order
Oak Ridges Moraine	Subject property is NOT located within the Oak Ridges Moraine
Provincial Greenbelt	Subject property is NOT located within the Provincial Greenbelt
Toronto Region Conservation Authority	Subject property is NOT located within the TRCA Screening Zone
Highly Vunerable Aquifers	Yes
Well Head Protection Area Water Quantity	No
Markham Register of Property of Cultural Heritage Value or Interest	Yes
Ministry of Transportation	Subject property is NOT located within the MTO Screening Zone
Development District	West
Ward	6
Assumption Status of Subdivision	Assumed

PROPERTY DETAILS SEARCH

For a thorough interpretation of any proposed use or development standard, please perform a zoning search. A non-refundable fee of $50 applies to each zoning search and search results will be provided within 10 business days. To locate the property on a map please click on the 'locate property on zoning map' link below.

Locate property on zoning map

Address	9995 KENNEDY RD
Property Roll Number	1936030234003000000
Zoning Bylaw	BY-LAW 177-96 as amended
Zoning Designation	OS1
Official Plan Designation	Residential Low Rise
Site Plan Control	No
Federal Airport	Subject property is NOT located within the Federal Airport Zoning Order
Oak Ridges Moraine	Subject property is NOT located within the Oak Ridges Moraine
Provincial Greenbelt	Subject property is NOT located within the Provincial Greenbelt
Toronto Region Conservation Authority	Subject property is NOT located within the TRCA Screening Zone
Highly Vunerable Aquifers	Yes
Well Head Protection Area Water Quantity	No
Markham Register of Property of Cultural Heritage Value or Interest	No
Ministry of Transportation	Subject property is NOT located within the MTO Screening Zone
Development District	West
Ward	6
Assumption Status of Subdivision	Assumed

PROPERTY DETAILS SEARCH

For a thorough interpretation of any proposed use or development standard, please perform a zoning search. A non-refundable fee of $50 applies to each zoning search and search results will be provided within 10 business days. To locate the property on a map please click on the 'locate property on zoning map' link below.

Locate property on zoning map

Address	10000 KENNEDY RD
Property Roll Number	1936020144727000000
Zoning Bylaw	BY-LAW 177-96 as amended
Zoning Designation	CA1
Official Plan Designation	Mixed Use Low Rise
Site Plan Control	Yes
Federal Airport	Subject property is NOT located within the Federal Airport Zoning Order
Oak Ridges Moraine	Subject property is NOT located within the Oak Ridges Moraine
Provincial Greenbelt	Subject property is NOT located within the Provincial Greenbelt
Toronto Region Conservation Authority	Subject property is NOT located within the TRCA Screening Zone
Highly Vunerable Aquifers	Yes
Well Head Protection Area Water Quantity	No
Markham Register of Property of Cultural Heritage Value or Interest	Yes
Ministry of Transportation	Subject property is NOT located within the MTO Screening Zone
Development District	West
Ward	6
Assumption Status of Subdivision	Assumed

Locate property on zoning map

Address	10060 KENNEDY RD	
Property Roll Number	1936020160260000000	
Zoning Bylaw	BY-LAW 304-87 as amended	
Zoning Designation	A1 CR O1	
Official Plan Designation	Future Neighbourhood Area Greenway	
Site Plan Control	No	
Federal Airport	Subject property is NOT located within the Federal Airport Zoning Order	
Oak Ridges Moraine	Subject property is NOT located within the Oak Ridges Moraine	
Provincial Greenbelt	Subject property is NOT located within the Provincial Greenbelt	
Toronto Region Conservation Authority	Subject property is located with the TRCA Screening Zone	
Highly Vunerable Aquifers	Yes	
Well Head Protection Area Water Quantity	No	
Markham Register of Property of Cultural Heritage Value or Interest	Yes	
Ministry of Transportation	Subject property is NOT located within the MTO Screening Zone	
Development District	North	
Ward	6	
Assumption Status of Subdivision		

Locate property on zoning map

Address	10080 KENNEDY RD	
Property Roll Number	1936020160260000000	
Zoning Bylaw	BY-LAW 304-87 as amended	
Zoning Designation	A1 CR O1	
Official Plan Designation	Future Neighbourhood Area Greenway	
Site Plan Control	No	
Federal Airport	Subject property is NOT located within the Federal Airport Zoning Order	
Oak Ridges Moraine	Subject property is NOT located within the Oak Ridges Moraine	
Provincial Greenbelt	Subject property is NOT located within the Provincial Greenbelt	
Toronto Region Conservation Authority	Subject property is located with the TRCA Screening Zone	
Highly Vunerable Aquifers	Yes	
Well Head Protection Area Water Quantity	No	
Markham Register of Property of Cultural Heritage Value or Interest	Yes	
Ministry of Transportation	Subject property is NOT located within the MTO Screening Zone	
Development District	North	
Ward	6	
Assumption Status of Subdivision		

Locate property on zoning map

Address	10225 KENNEDY RD	
Property Roll Number	1936030235200000000	
Zoning Bylaw	BY-LAW 304-87 as amended	
Zoning Designation	A1 RR4	
Official Plan Designation	Greenway Future Neighbourhood Area	
Site Plan Control	No	
Federal Airport	Subject property is NOT located within the Federal Airport Zoning Order	
Oak Ridges Moraine	Subject property is NOT located within the Oak Ridges Moraine	
Provincial Greenbelt	Subject property is located with the Provincial Greenbelt	
Toronto Region Conservation Authority	Subject property is located with the TRCA Screening Zone	
Highly Vunerable Aquifers	Yes	
Well Head Protection Area Water Quantity	No	
Markham Register of Property of Cultural Heritage Value or Interest	Yes	
Ministry of Transportation	Subject property is NOT located within the MTO Screening Zone	
Development District	North	
Ward	6	
Assumption Status of Subdivision		

Locate property on zoning map

Address	10227 KENNEDY RD	
Property Roll Number	1936030235200000000	
Zoning Bylaw	BY-LAW 304-87 as amended	
Zoning Designation	A1 RR4	
Official Plan Designation	Greenway Future Neighbourhood Area	
Site Plan Control	No	
Federal Airport	Subject property is NOT located within the Federal Airport Zoning Order	
Oak Ridges Moraine	Subject property is NOT located within the Oak Ridges Moraine	
Provincial Greenbelt	Subject property is located with the Provincial Greenbelt	
Toronto Region Conservation Authority	Subject property is located with the TRCA Screening Zone	
Highly Vunerable Aquifers	Yes	
Well Head Protection Area Water Quantity	No	
Markham Register of Property of Cultural Heritage Value or Interest	Yes	
Ministry of Transportation	Subject property is NOT located within the MTO Screening Zone	
Development District	North	
Ward	6	
Assumption Status of Subdivision		

Locate property on zoning map

Address	10228 KENNEDY RD	
Property Roll Number	1936020160260000000	
Zoning Bylaw	BY-LAW 304-87 as amended	
Zoning Designation	A1 CR O1	
Official Plan Designation	Future Neighbourhood Area Greenway	
Site Plan Control	No	
Federal Airport	Subject property is NOT located within the Federal Airport Zoning Order	
Oak Ridges Moraine	Subject property is NOT located within the Oak Ridges Moraine	
Provincial Greenbelt	Subject property is NOT located within the Provincial Greenbelt	
Toronto Region Conservation Authority	Subject property is located with the TRCA Screening Zone	
Highly Vunerable Aquifers	Yes	
Well Head Protection Area Water Quantity	No	
Markham Register of Property of Cultural Heritage Value or Interest	Yes	
Ministry of Transportation	Subject property is NOT located within the MTO Screening Zone	
Development District	North	
Ward	6	
Assumption Status of Subdivision		

Locate property on zoning map

Address	10379 KENNEDY RD	
Property Roll Number	1936030235350000000	
Zoning Bylaw	BY-LAW 304-87 as amended	
Zoning Designation	A1 RR2 RR4	
Official Plan Designation	Greenway Future Neighbourhood Area	
Site Plan Control	No	
Federal Airport	Subject property is NOT located within the Federal Airport Zoning Order	
Oak Ridges Moraine	Subject property is NOT located within the Oak Ridges Moraine	
Provincial Greenbelt	Subject property is located with the Provincial Greenbelt	
Toronto Region Conservation Authority	Subject property is located with the TRCA Screening Zone	
Highly Vunerable Aquifers	Yes	
Well Head Protection Area Water Quantity	No	
Markham Register of Property of Cultural Heritage Value or Interest	Yes	
Ministry of Transportation	Subject property is NOT located within the MTO Screening Zone	
Development District	West	
Ward	6	
Assumption Status of Subdivision		

Locate property on zoning map

Address	10411 KENNEDY RD	
Property Roll Number	1936030235350000000	
Zoning Bylaw	BY-LAW 304-87 as amended	
Zoning Designation	A1 RR2 RR4	
Official Plan Designation	Greenway Future Neighbourhood Area	
Site Plan Control	No	
Federal Airport	Subject property is NOT located within the Federal Airport Zoning Order	
Oak Ridges Moraine	Subject property is NOT located within the Oak Ridges Moraine	
Provincial Greenbelt	Subject property is located with the Provincial Greenbelt	
Toronto Region Conservation Authority	Subject property is located with the TRCA Screening Zone	
Highly Vunerable Aquifers	Yes	
Well Head Protection Area Water Quantity	No	
Markham Register of Property of Cultural Heritage Value or Interest	Yes	
Ministry of Transportation	Subject property is NOT located within the MTO Screening Zone	
Development District	West	
Ward	6	
Assumption Status of Subdivision		

Locate property on zoning map

Address	10450 KENNEDY RD	
Property Roll Number	1936020160275000000	
Zoning Bylaw	BY-LAW 304-87 as amended	
Zoning Designation	RR2 CR	
Official Plan Designation	Future Neighbourhood Area Greenway	
Site Plan Control	No	
Federal Airport	Subject property is NOT located within the Federal Airport Zoning Order	
Oak Ridges Moraine	Subject property is NOT located within the Oak Ridges Moraine	
Provincial Greenbelt	Subject property is located with the Provincial Greenbelt	
Toronto Region Conservation Authority	Subject property is NOT located within the TRCA Screening Zone	
Highly Vunerable Aquifers	Yes	
Well Head Protection Area Water Quantity	No	
Markham Register of Property of Cultural Heritage Value or Interest	Yes	
Ministry of Transportation	Subject property is NOT located within the MTO Screening Zone	
Development District	North	
Ward	6	
Assumption Status of Subdivision		

Locate property on zoning map

Address	10476 KENNEDY RD	
Property Roll Number	1936020160270000000	
Zoning Bylaw	BY-LAW 304-87 as amended	
Zoning Designation	CR O1	
Official Plan Designation	Greenway Future Neighbourhood Area	
Site Plan Control	No	
Federal Airport	Subject property is NOT located within the Federal Airport Zoning Order	
Oak Ridges Moraine	Subject property is NOT located within the Oak Ridges Moraine	
Provincial Greenbelt	Subject property is located with the Provincial Greenbelt	
Toronto Region Conservation Authority	Subject property is located with the TRCA Screening Zone	
Highly Vunerable Aquifers	Yes	
Well Head Protection Area Water Quantity	No	
Markham Register of Property of Cultural Heritage Value or Interest	Yes	
Ministry of Transportation	Subject property is NOT located within the MTO Screening Zone	
Development District	North	
Ward	6	
Assumption Status of Subdivision		

PROPERTY DETAILS SEARCH

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Locate property on zoning map

Address	10504 KENNEDY RD	
Property Roll Number	1936020160285000000	
Zoning Bylaw	BY-LAW 304-87 as amended	
Zoning Designation	A1	
Official Plan Designation	Future Neighbourhood Area	
Site Plan Control	No	
Federal Airport	Subject property is NOT located within the Federal Airport Zoning Order	
Oak Ridges Moraine	Subject property is NOT located within the Oak Ridges Moraine	
Provincial Greenbelt	Subject property is NOT located within the Provincial Greenbelt	
Toronto Region Conservation Authority	Subject property is located with the TRCA Screening Zone	
Highly Vunerable Aquifers	No	
Well Head Protection Area Water Quantity	Yes	
Markham Register of Property of Cultural Heritage Value or Interest	Yes	
Ministry of Transportation	Subject property is NOT located within the MTO Screening Zone	
Development District	North	
Ward	6	
Assumption Status of Subdivision		

Locate property on zoning map

Address	10537 KENNEDY RD	
Property Roll Number	1936030235500000000	
Zoning Bylaw	BY-LAW 304-87 as amended	
Zoning Designation	A1	
Official Plan Designation	Future Neighbourhood Area Greenway	
Site Plan Control	No	
Federal Airport	Subject property is NOT located within the Federal Airport Zoning Order	
Oak Ridges Moraine	Subject property is NOT located within the Oak Ridges Moraine	
Provincial Greenbelt	Subject property is located with the Provincial Greenbelt	
Toronto Region Conservation Authority	Subject property is located with the TRCA Screening Zone	
Highly Vunerable Aquifers	Yes	
Well Head Protection Area Water Quantity	No	
Markham Register of Property of Cultural Heritage Value or Interest	Yes	
Ministry of Transportation	Subject property is NOT located within the MTO Screening Zone	
Development District	North	
Ward	6	
Assumption Status of Subdivision		

Locate property on zoning map

Address	10539 KENNEDY RD	
Property Roll Number	1936030235500000000	
Zoning Bylaw	BY-LAW 304-87 as amended	
Zoning Designation	A1	
Official Plan Designation	Future Neighbourhood Area Greenway	
Site Plan Control	No	
Federal Airport	Subject property is NOT located within the Federal Airport Zoning Order	
Oak Ridges Moraine	Subject property is NOT located within the Oak Ridges Moraine	
Provincial Greenbelt	Subject property is located with the Provincial Greenbelt	
Toronto Region Conservation Authority	Subject property is located with the TRCA Screening Zone	
Highly Vunerable Aquifers	Yes	
Well Head Protection Area Water Quantity	No	
Markham Register of Property of Cultural Heritage Value or Interest	Yes	
Ministry of Transportation	Subject property is NOT located within the MTO Screening Zone	
Development District	North	
Ward	6	
Assumption Status of Subdivision		

PROPERTY DETAILS SEARCH

For a thorough interpretation of any proposed use or development standard, please perform a zoning search. A non-refundable fee of $50 applies to each zoning search and search results will be provided within 10 business days. To locate the property on a map please click on the 'locate property on zoning map' link below.

Locate property on zoning map

Address	10715 KENNEDY RD	
Property Roll Number	1936030235595000000	
Zoning Bylaw	BY-LAW 304-87 as amended	
Zoning Designation	RR1	
Official Plan Designation	Future Neighbourhood Area	
Site Plan Control	No	
Federal Airport	Subject property is NOT located within the Federal Airport Zoning Order	
Oak Ridges Moraine	Subject property is NOT located within the Oak Ridges Moraine	
Provincial Greenbelt	Subject property is NOT located within the Provincial Greenbelt	
Toronto Region Conservation Authority	Subject property is NOT located within the TRCA Screening Zone	
Highly Vunerable Aquifers	No	
Well Head Protection Area Water Quantity	No	
Markham Register of Property of Cultural Heritage Value or Interest	No	
Ministry of Transportation	Subject property is NOT located within the MTO Screening Zone	
Development District	North	
Ward	6	
Assumption Status of Subdivision		

PROPERTY DETAILS SEARCH

For a thorough interpretation of any proposed use or development standard, please perform a zoning search. A non-refundable fee of $50 applies to each zoning search and search results will be provided within 10 business days. To locate the property on a map please click on the 'locate property on zoning map' link below.

Locate property on zoning map

Address	10725 KENNEDY RD	
Property Roll Number	1936030235600000000	
Zoning Bylaw	BY-LAW 304-87 as amended	
Zoning Designation	RR1	
Official Plan Designation	Future Neighbourhood Area	
Site Plan Control	No	
Federal Airport	Subject property is NOT located within the Federal Airport Zoning Order	
Oak Ridges Moraine	Subject property is NOT located within the Oak Ridges Moraine	
Provincial Greenbelt	Subject property is NOT located within the Provincial Greenbelt	
Toronto Region Conservation Authority	Subject property is NOT located within the TRCA Screening Zone	
Highly Vunerable Aquifers	No	
Well Head Protection Area Water Quantity	Yes	
Markham Register of Property of Cultural Heritage Value or Interest	Yes	
Ministry of Transportation	Subject property is NOT located within the MTO Screening Zone	
Development District	North	
Ward	6	
Assumption Status of Subdivision		

Locate property on zoning map

Address	10809 KENNEDY RD	
Property Roll Number	1936030240605000000	
Zoning Bylaw	BY-LAW 304-87 as amended	
Zoning Designation	RR1 O1	
Official Plan Designation	Greenway	
Site Plan Control	No	
Federal Airport	Subject property is NOT located within the Federal Airport Zoning Order	
Oak Ridges Moraine	Subject property is NOT located within the Oak Ridges Moraine	
Provincial Greenbelt	Subject property is located with the Provincial Greenbelt	
Toronto Region Conservation Authority	Subject property is located with the TRCA Screening Zone	
Highly Vunerable Aquifers	Yes	
Well Head Protection Area Water Quantity	Yes	
Markham Register of Property of Cultural Heritage Value or Interest	No	
Ministry of Transportation	Subject property is NOT located within the MTO Screening Zone	
Development District	West	
Ward	6	
Assumption Status of Subdivision		

Locate property on zoning map

Address	10835 KENNEDY RD	
Property Roll Number	1936030240607000000	
Zoning Bylaw	BY-LAW 304-87 as amended	
Zoning Designation	RR1	
Official Plan Designation	Greenway	
Site Plan Control	No	
Federal Airport	Subject property is NOT located within the Federal Airport Zoning Order	
Oak Ridges Moraine	Subject property is NOT located within the Oak Ridges Moraine	
Provincial Greenbelt	Subject property is located with the Provincial Greenbelt	
Toronto Region Conservation Authority	Subject property is located with the TRCA Screening Zone	
Highly Vunerable Aquifers	Yes	
Well Head Protection Area Water Quantity	Yes	
Markham Register of Property of Cultural Heritage Value or Interest	Yes	
Ministry of Transportation	Subject property is NOT located within the MTO Screening Zone	
Development District	West	
Ward	6	
Assumption Status of Subdivision		

Locate property on zoning map

Address	4044 ELGIN MILLS RD E	
Property Roll Number	1936020160505000000	
Zoning Bylaw	BY-LAW 304-87 as amended	
Zoning Designation	A1 O1 RR1	
Official Plan Designation	Countryside Greenway	
Site Plan Control	No	
Federal Airport	Subject property is NOT located within the Federal Airport Zoning Order	
Oak Ridges Moraine	Subject property is NOT located within the Oak Ridges Moraine	
Provincial Greenbelt	Subject property is located with the Provincial Greenbelt	
Toronto Region Conservation Authority	Subject property is located with the TRCA Screening Zone	
Highly Vunerable Aquifers	Yes	
Well Head Protection Area Water Quantity	Yes	
Markham Register of Property of Cultural Heritage Value or Interest	Yes	
Ministry of Transportation	Subject property is NOT located within the MTO Screening Zone	
Development District	West	
Ward	6	
Assumption Status of Subdivision		

Locate property on zoning map

Address	4402 ELGIN MILLS RD E	
Property Roll Number	1936020160540000000	
Zoning Bylaw	BY-LAW 304-87 as amended	
Zoning Designation	O1 RR1	
Official Plan Designation	Greenway	
Site Plan Control	No	
Federal Airport	Subject property is NOT located within the Federal Airport Zoning Order	
Oak Ridges Moraine	Subject property is NOT located within the Oak Ridges Moraine	
Provincial Greenbelt	Subject property is located with the Provincial Greenbelt	
Toronto Region Conservation Authority	Subject property is located with the TRCA Screening Zone	
Highly Vunerable Aquifers	Yes	
Well Head Protection Area Water Quantity	Yes	
Markham Register of Property of Cultural Heritage Value or Interest	No	
Ministry of Transportation	Subject property is NOT located within the MTO Screening Zone	
Development District	West	
Ward	6	
Assumption Status of Subdivision		

Locate property on zoning map

Address	4415 ELGIN MILLS RD E	
Property Roll Number	1936020160290000000	
Zoning Bylaw	BY-LAW 304-87 as amended	
Zoning Designation	RR1	
Official Plan Designation	Future Neighbourhood Area Greenway	
Site Plan Control	No	
Federal Airport	Subject property is NOT located within the Federal Airport Zoning Order	
Oak Ridges Moraine	Subject property is NOT located within the Oak Ridges Moraine	
Provincial Greenbelt	Subject property is located with the Provincial Greenbelt	
Toronto Region Conservation Authority	Subject property is located with the TRCA Screening Zone	
Highly Vunerable Aquifers	No	
Well Head Protection Area Water Quantity	Yes	
Markham Register of Property of Cultural Heritage Value or Interest	No	
Ministry of Transportation	Subject property is NOT located within the MTO Screening Zone	
Development District	North	
Ward	6	
Assumption Status of Subdivision		

Locate property on zoning map

Address	4428 ELGIN MILLS RD E	
Property Roll Number	1936020160550000000	
Zoning Bylaw	BY-LAW 304-87 as amended	
Zoning Designation	O1 RR1	
Official Plan Designation	Greenway	
Site Plan Control	No	
Federal Airport	Subject property is NOT located within the Federal Airport Zoning Order	
Oak Ridges Moraine	Subject property is NOT located within the Oak Ridges Moraine	
Provincial Greenbelt	Subject property is located with the Provincial Greenbelt	
Toronto Region Conservation Authority	Subject property is located with the TRCA Screening Zone	
Highly Vunerable Aquifers	Yes	
Well Head Protection Area Water Quantity	Yes	
Markham Register of Property of Cultural Heritage Value or Interest	No	
Ministry of Transportation	Subject property is NOT located within the MTO Screening Zone	
Development District	West	
Ward	6	
Assumption Status of Subdivision		

Locate property on zoning map

Address	4438 ELGIN MILLS RD E	
Property Roll Number	1936020160555000000	
Zoning Bylaw	BY-LAW 304-87 as amended	
Zoning Designation	RR1 O1	
Official Plan Designation	Greenway	
Site Plan Control	No	
Federal Airport	Subject property is NOT located within the Federal Airport Zoning Order	
Oak Ridges Moraine	Subject property is NOT located within the Oak Ridges Moraine	
Provincial Greenbelt	Subject property is located with the Provincial Greenbelt	
Toronto Region Conservation Authority	Subject property is located with the TRCA Screening Zone	
Highly Vunerable Aquifers	Yes	
Well Head Protection Area Water Quantity	Yes	
Markham Register of Property of Cultural Heritage Value or Interest	No	
Ministry of Transportation	Subject property is NOT located within the MTO Screening Zone	
Development District	West	
Ward	6	
Assumption Status of Subdivision		

Locate property on zoning map

Address	4478 ELGIN MILLS RD E	
Property Roll Number	1936020160560000000	
Zoning Bylaw	BY-LAW 304-87 as amended	
Zoning Designation	RR1 O1	
Official Plan Designation	Greenway	
Site Plan Control	No	
Federal Airport	Subject property is NOT located within the Federal Airport Zoning Order	
Oak Ridges Moraine	Subject property is NOT located within the Oak Ridges Moraine	
Provincial Greenbelt	Subject property is located with the Provincial Greenbelt	
Toronto Region Conservation Authority	Subject property is located with the TRCA Screening Zone	
Highly Vunerable Aquifers	Yes	
Well Head Protection Area Water Quantity	Yes	
Markham Register of Property of Cultural Heritage Value or Interest	Yes	
Ministry of Transportation	Subject property is NOT located within the MTO Screening Zone	
Development District	West	
Ward	6	
Assumption Status of Subdivision		

Locate property on zoning map

Address	4510 ELGIN MILLS RD E
Property Roll Number	1936030240002000000
Zoning Bylaw	BY-LAW 304-87 as amended
Zoning Designation	RR1 C1 O1
Official Plan Designation	Greenway
Site Plan Control	No
Federal Airport	Subject property is NOT located within the Federal Airport Zoning Order
Oak Ridges Moraine	Subject property is NOT located within the Oak Ridges Moraine
Provincial Greenbelt	Subject property is located with the Provincial Greenbelt
Toronto Region Conservation Authority	Subject property is located with the TRCA Screening Zone
Highly Vunerable Aquifers	Yes
Well Head Protection Area Water Quantity	Yes
Markham Register of Property of Cultural Heritage Value or Interest	Yes
Ministry of Transportation	Subject property is NOT located within the MTO Screening Zone
Development District	West
Ward	6
Assumption Status of Subdivision	

Locate property on zoning map

Address	4551 ELGIN MILLS RD E	
Property Roll Number	1936030235605000000	
Zoning Bylaw	BY-LAW 304-87 as amended	
Zoning Designation	A1	
Official Plan Designation	Future Neighbourhood Area Greenway	
Site Plan Control	No	
Federal Airport	Subject property is NOT located within the Federal Airport Zoning Order	
Oak Ridges Moraine	Subject property is NOT located within the Oak Ridges Moraine	
Provincial Greenbelt	Subject property is located with the Provincial Greenbelt	
Toronto Region Conservation Authority	Subject property is located with the TRCA Screening Zone	
Highly Vunerable Aquifers	Yes	
Well Head Protection Area Water Quantity	Yes	
Markham Register of Property of Cultural Heritage Value or Interest	Yes	
Ministry of Transportation	Subject property is NOT located within the MTO Screening Zone	
Development District	North	
Ward	6	
Assumption Status of Subdivision		

Locate property on zoning map

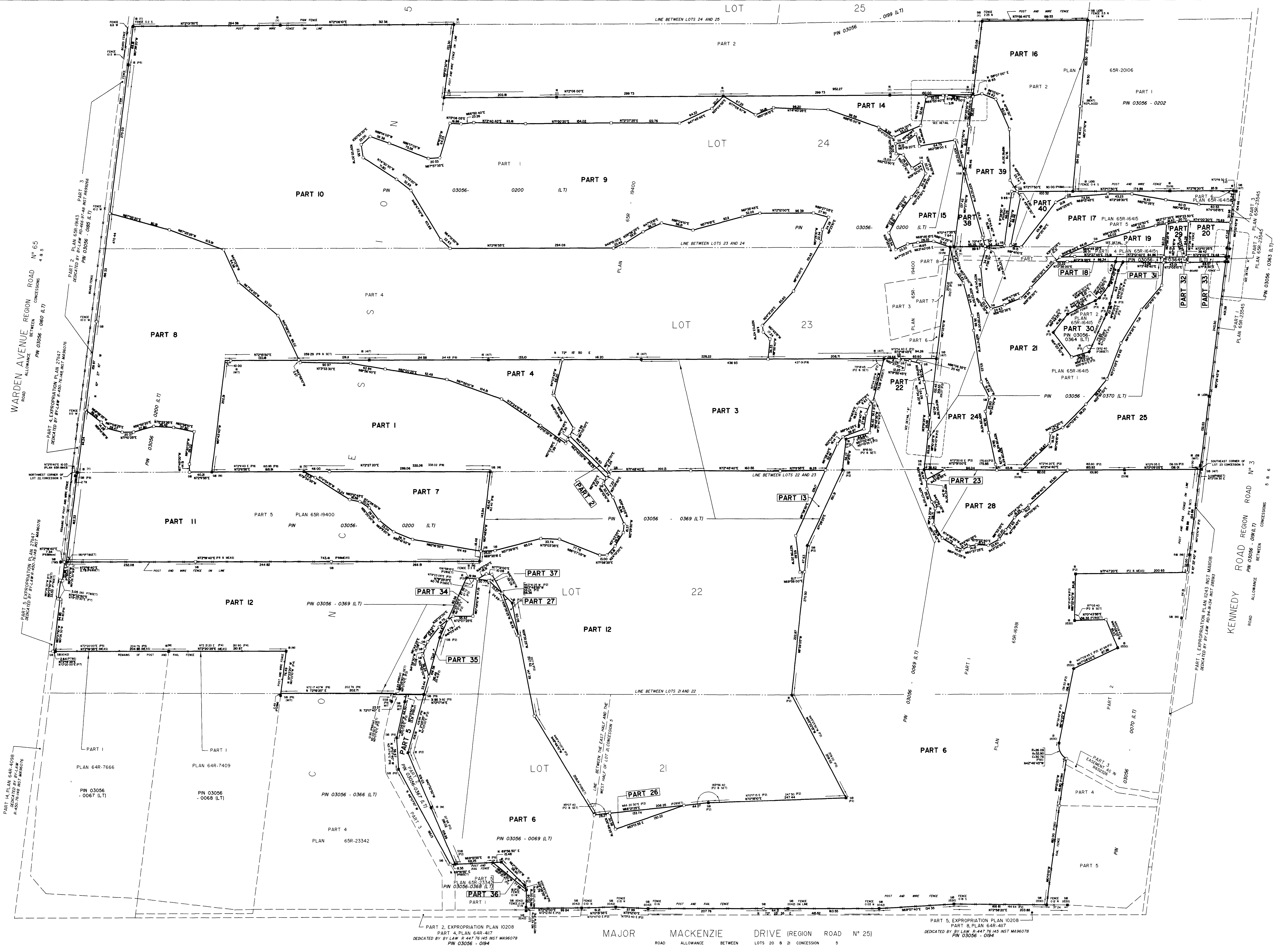
Address	4560 ELGIN MILLS RD E	
Property Roll Number	1936030240006000000	
Zoning Bylaw	BY-LAW 304-87 as amended	
Zoning Designation	RR1 O1	
Official Plan Designation	Countryside Greenway	
Site Plan Control	No	
Federal Airport	Subject property is NOT located within the Federal Airport Zoning Order	
Oak Ridges Moraine	Subject property is NOT located within the Oak Ridges Moraine	
Provincial Greenbelt	Subject property is located with the Provincial Greenbelt	
Toronto Region Conservation Authority	Subject property is located with the TRCA Screening Zone	
Highly Vunerable Aquifers	No	
Well Head Protection Area Water Quantity	Yes	
Markham Register of Property of Cultural Heritage Value or Interest	No	
Ministry of Transportation	Subject property is NOT located within the MTO Screening Zone	
Development District	West	
Ward	6	
Assumption Status of Subdivision		

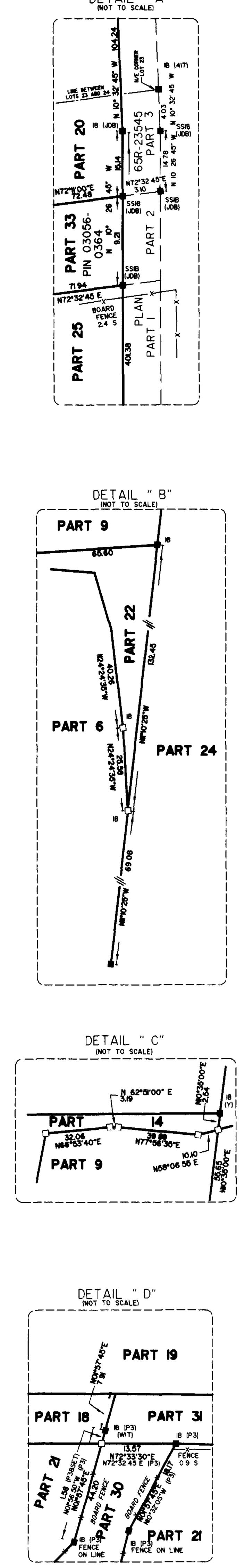
BURNSIDE

[THE DIFFERENCE IS OUR PEOPLE]

Appendix B

Land Registry Documents





I REQUIRE THIS PLAN TO BE DEPOSITED UNDER THE LAND TITLES ACT	PLAN 65R-23784
DATE May 18, 2001	RECEIVED AND DEPOSITED
PIER DE ROSA ONTARIO LAND SURVEYOR	DATE 18 May 2001 Ass't D Dawn Dep LAND REGISTRAR FOR THE LAND TITLES DIVISION OF YORK REGION (No 65)

SCHEDULE

PART	PART OF LOT	CONCESSION	PART OF PIN
1	22 & 23		03056-0369
2			
3	23		03056 0369
4			
5	21		ALL OF PIN 03056-0367
6	21, 22 & 23		03056-0069
7	22		03056-0200
8	23 & 24		03056-0200
9			
10			
11	22 & 23		03056-0200
12	21 & 22		03056-0369
13	22 & 23		03056-0369
14	24		03056-0200
15	23 & 24		03056-0200
16	23 & 24		03056-0370
17			
18			
19		5	
20			
21			
22	23		03056-0069
23	22		03056 0069
24	23		03056-0370
25			
26	21		03056-0069
27	22		03056-0069
28	22		03056-0069
29	23 & 24		03056-0370
30	23		ALL OF PIN 03056-0364
31			
32			
33			
34	22		03056-0069
35	22		03056-0369
36	21		ALL OF PIN 03056-0368
37	22		03056-0369
38	24		03056-0370
39			
40	23 & 24		03056-0370

- PARTS 1 2, 3, 4 12 13 35 AND 37 COMPRISE ALL OF PIN 03056-0369
- PARTS 7, 8, 9, 10, 11, 14, AND 15, COMPRISE ALL OF PIN 03056-0200
- PARTS 16, 17, 18, 19, 20, 21, 24, 25, 29, 38, 39 AND 40, COMPRISE ALL OF PIN 03056-0370
- PARTS 6, 22 23, 26 27, 28, AND 34 COMPRISE ALL OF PIN 03056-0069
- PARTS 30, 31 32 AND 33, COMPRISE ALL OF PIN 03056-0364
- PART 5 COMPRISES ALL OF PIN 03056-0367
- PART 36 COMPRISES ALL OF PIN 03056-0368

PLAN OF SURVEY OF

PART OF LOTS 21, 22, 23 AND 24 CONCESSION 5

TOWN OF MARKHAM

GEOGRAPHIC TOWNSHIP OF MARKHAM
REGIONAL MUNICIPALITY OF YORK

SCALE 1 2000
50 0 50 100 150 meters

J D BARNES LIMITED

METRIC DISTANCES SHOWN ON THIS PLAN ARE IN METRES AND CAN BE CONVERTED TO FEET BY DIVIDING BY 0 3048

NOTES

BEARINGS ARE GEODETIC AND ARE DERIVED FROM CONTROL MONUMENTS
092901085 E 319138 417
N 4863180 297
AND
092901047 E 218944 946
N 4863985 052
AND ARE REFERRED TO THE CENTRAL MERIDIAN 79°30' WEST LONGITUDE ZONE 10 OF THE ONTARTIO COORDINATE SYSTEM

■	DENOTES	SURVEY MONUMENT FOUND
□	DENOTES	SURVEY MONUMENT SET
SIB	DENOTES	STANDARD IRON BAR
IB	DENOTES	IRON BAR
WIT	DENOTES	WITNESS
P1	DENOTES	PLAN 65R 23545
P2	DENOTES	PLAN 65R 16981
P3	DENOTES	PLAN 65R 16415
P4	DENOTES	PLAN 64R 7409
P5	DENOTES	PLAN 64R 7666
P6	DENOTES	PLAN 65R 19143
P7	DENOTES	EXPROPRIATION PLAN 271147
P8	DENOTES	PLAN 65R 19400
P9	DENOTES	PLAN 64R 4117
P10	DENOTES	PLAN 65R 20106
P11	DENOTES	PLAN 65R 23342
417	DENOTES	J VAN NOSTRAND O L S
Y	DENOTES	YATES 8 YATES LIMITED O L S
SVN	DENOTES	SPEIGHT VAN NOSTRAND O L S
MEAS	DENOTES	MEASURED
NI	DENOTES	NOT IDENTIFIABLE
1042	DENOTES	EDWARDS O L S
785	DENOTES	B J HAYNES O L S
G	DENOTES	GIBSON O L S
1530	DENOTES	E W BOWYER INC
JDB	DENOTES	J D BARNES LIMITED

ALL SURVEY MONUMENTS SET ARE IRON BARS UNLESS OTHERWIISE NOTED

DISTANCES SHOWN ARE GROUND DISTANCES AND CAN BE CONVERTED TO GRID BY MULTIPLYING BY THE COMBINED SCALE FACTOR OF 0 99987408

SURVEYOR'S CERTIFICATE

I CERTIFY THAT

1 THIS SURVEY AND PLAN ARE CORRECT AND IN ACCORDANCE WITH THE SURVEYS ACT THE SURVEYORS ACT AND THE LAND TITLES ACT AND THE REGULATIONS MADE UNDER THEM

2 THE SURVEY WAS COMPLETED ON MAY 16 2001

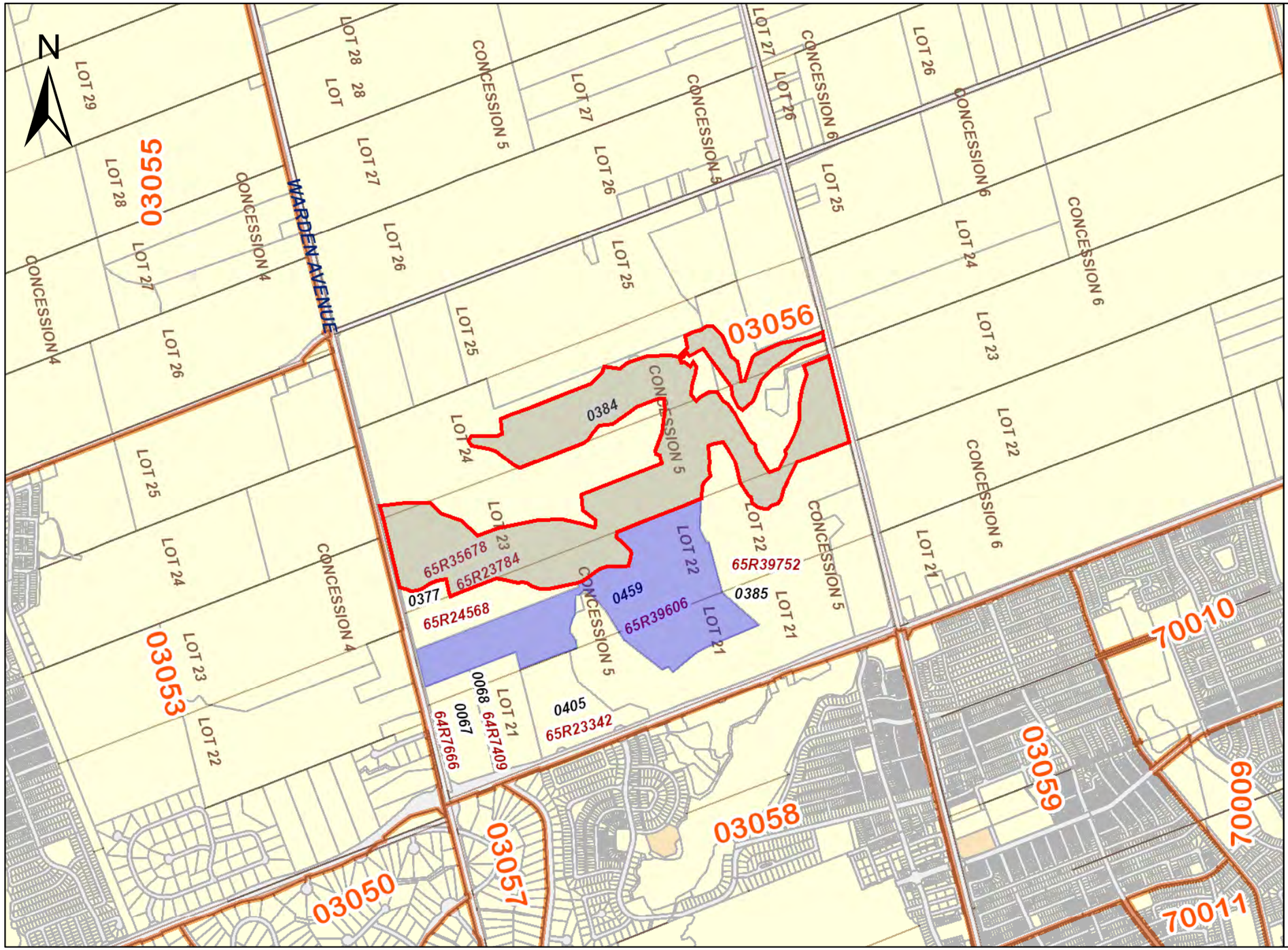
DATE May 18, 2001

PIER DE ROSA
ONTARIO LAND SURVEYOR

J.D. BARNES LIMITED
SURVEYING MAPPING
LAND INFORMATION SERVICES
145 RENFREW DRIVE SUITE 160
MARKHAM, ONTARIO L3R 9R6
TEL (905) 477-3600
FAX (905) 477-3882

DRAWN BY	CHAKED BY	REFERENCE NO
CP/PM	PDR	98-21-126-03
FILE g \82112601\2112603a dgn		DATE APRIL 3, 2001

PLOT DATE 18 MAY 2001



ServiceOntario

SCALE

0 180 360 540 720 900 meters

PROPERTY INDEX MAP

YORK REGION(No. 65)

LEGEND

FREEHOLD PROPERTY	
LEASEHOLD PROPERTY	
LIMITED INTEREST PROPERTY	
CONDOMINIUM PROPERTY	
RETIRED PIN (MAP UPDATE PENDING)	
PROPERTY NUMBER	*0449*
BLOCK NUMBER	**08050**
GEOGRAPHIC FABRIC	
EASEMENT	

THIS IS NOT A PLAN OF SURVEY

NOTES

REVIEW THE TITLE RECORDS FOR COMPLETE PROPERTY INFORMATION AS THIS MAP MAY NOT REFLECT RECENT REGISTRATIONS

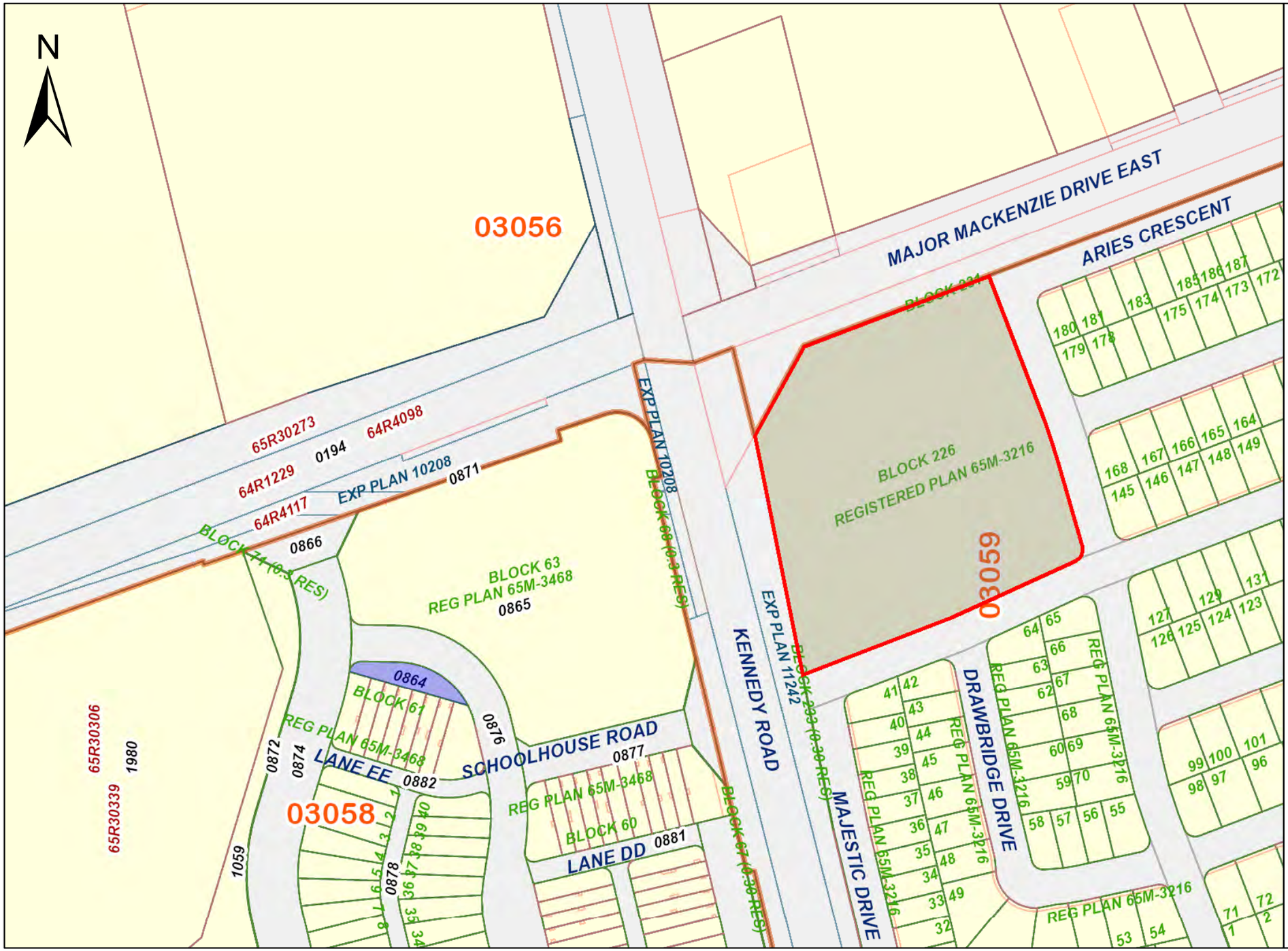
THIS MAP WAS COMPILED FROM PLANS AND DOCUMENTS RECORDED IN THE LAND REGISTRATION SYSTEM AND HAS BEEN PREPARED FOR PROPERTY INDEXING PURPOSES ONLY

FOR DIMENSIONS OF PROPERTIES BOUNDARIES SEE RECORDED PLANS AND DOCUMENTS

ONLY MAJOR EASEMENTS ARE SHOWN

REFERENCE PLANS UNDERLYING MORE RECENT REFERENCE PLANS ARE NOT ILLUSTRATED

Ontario



ServiceOntario

SCALE

0 30 60 90 meters

PROPERTY INDEX MAP

YORK REGION(No. 65)

LEGEND

FREEHOLD PROPERTY	
LEASEHOLD PROPERTY	
LIMITED INTEREST PROPERTY	
CONDOMINIUM PROPERTY	
RETIRED PIN (MAP UPDATE PENDING)	
PROPERTY NUMBER	*0449*
BLOCK NUMBER	**08050**
GEOGRAPHIC FABRIC	
EASEMENT	

THIS IS NOT A PLAN OF SURVEY

NOTES

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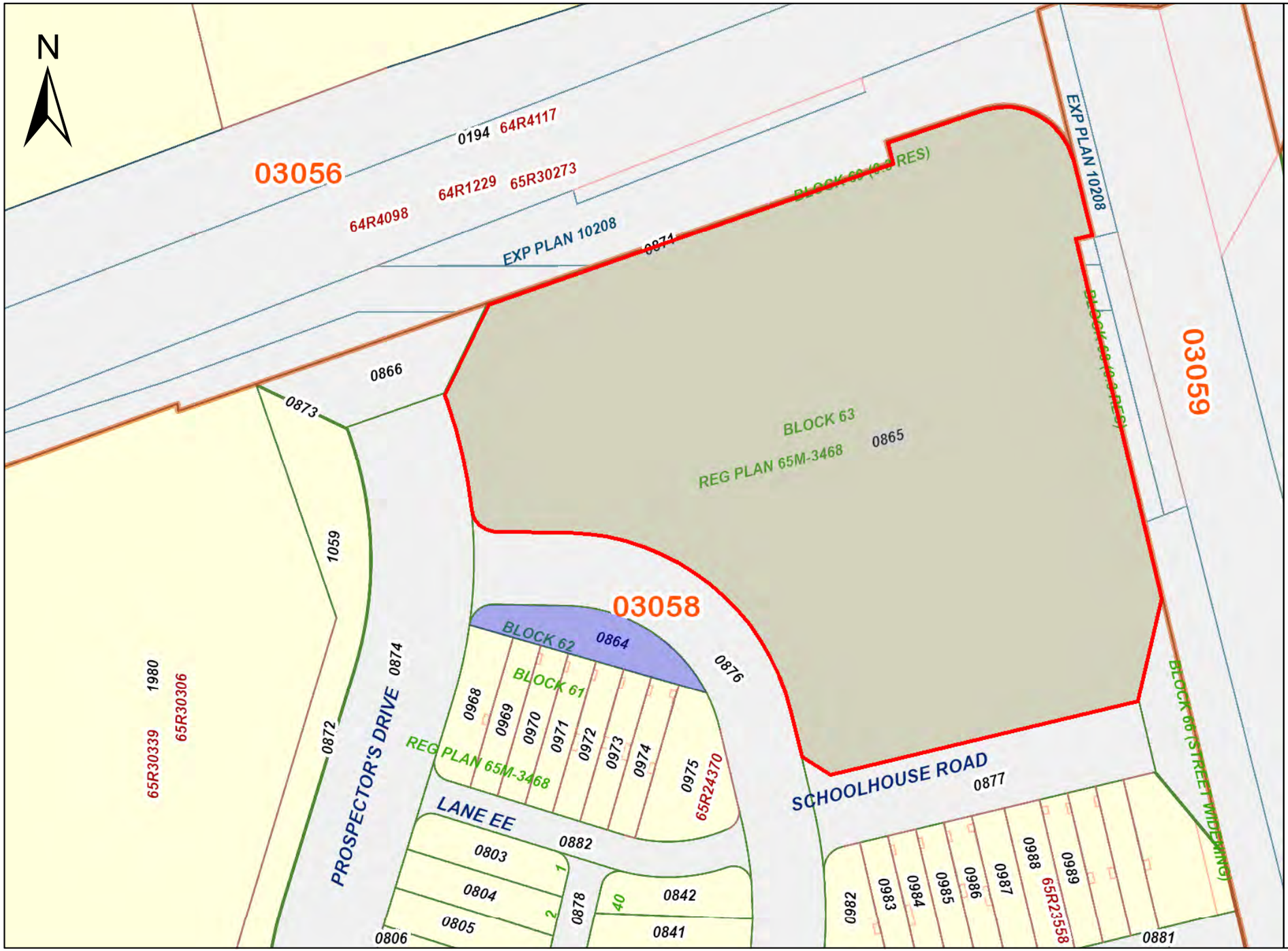
THIS MAP WAS COMPILED FROM PLANS AND DOCUMENTS RECORDED IN THE LAND REGISTRATION SYSTEM AND HAS BEEN PREPARED FOR PROPERTY INDEXING PURPOSES ONLY

FOR DIMENSIONS OF PROPERTIES BOUNDARIES SEE RECORDED PLANS AND DOCUMENTS

ONLY MAJOR EASEMENTS ARE SHOWN

REFERENCE PLANS UNDERLYING MORE RECENT REFERENCE PLANS ARE NOT ILLUSTRATED

Ontario



ServiceOntario

SCALE

0 30 meters

PROPERTY INDEX MAP

YORK REGION(No. 65)

LEGEND

FREEHOLD PROPERTY	
LEASEHOLD PROPERTY	
LIMITED INTEREST PROPERTY	
CONDOMINIUM PROPERTY	
RETIRED PIN (MAP UPDATE PENDING)	
PROPERTY NUMBER	*0449*
BLOCK NUMBER	**08050**
GEOGRAPHIC FABRIC	
EASEMENT	

THIS IS NOT A PLAN OF SURVEY

NOTES

REVIEW THE TITLE RECORDS FOR COMPLETE PROPERTY INFORMATION AS THIS MAP MAY NOT REFLECT RECENT REGISTRATIONS

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FOR DIMENSIONS OF PROPERTIES BOUNDARIES SEE RECORDED PLANS AND DOCUMENTS

ONLY MAJOR EASEMENTS ARE SHOWN

REFERENCE PLANS UNDERLYING MORE RECENT REFERENCE PLANS ARE NOT ILLUSTRATED

Ontario

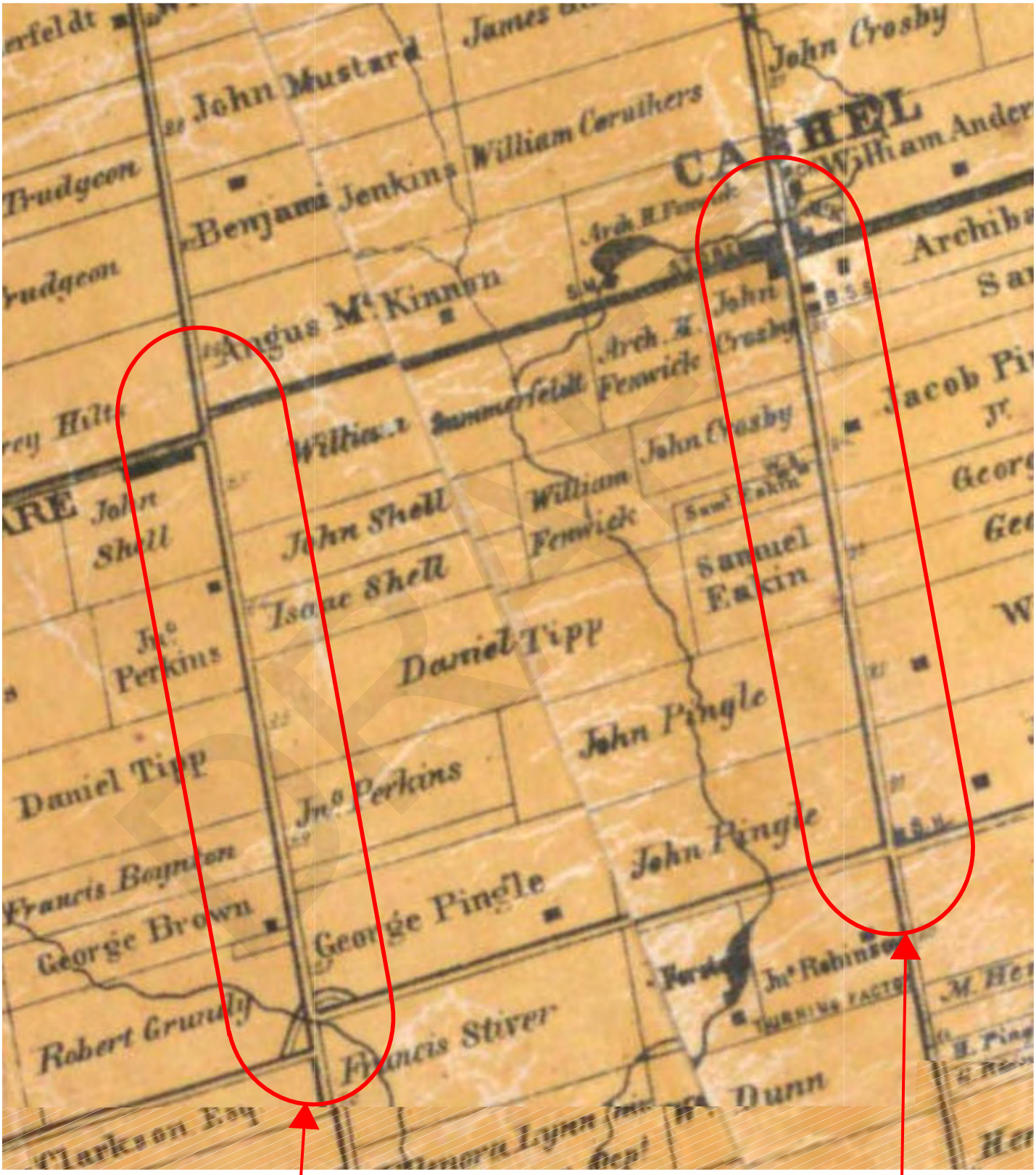
BURNSIDE

[THE DIFFERENCE IS OUR PEOPLE]

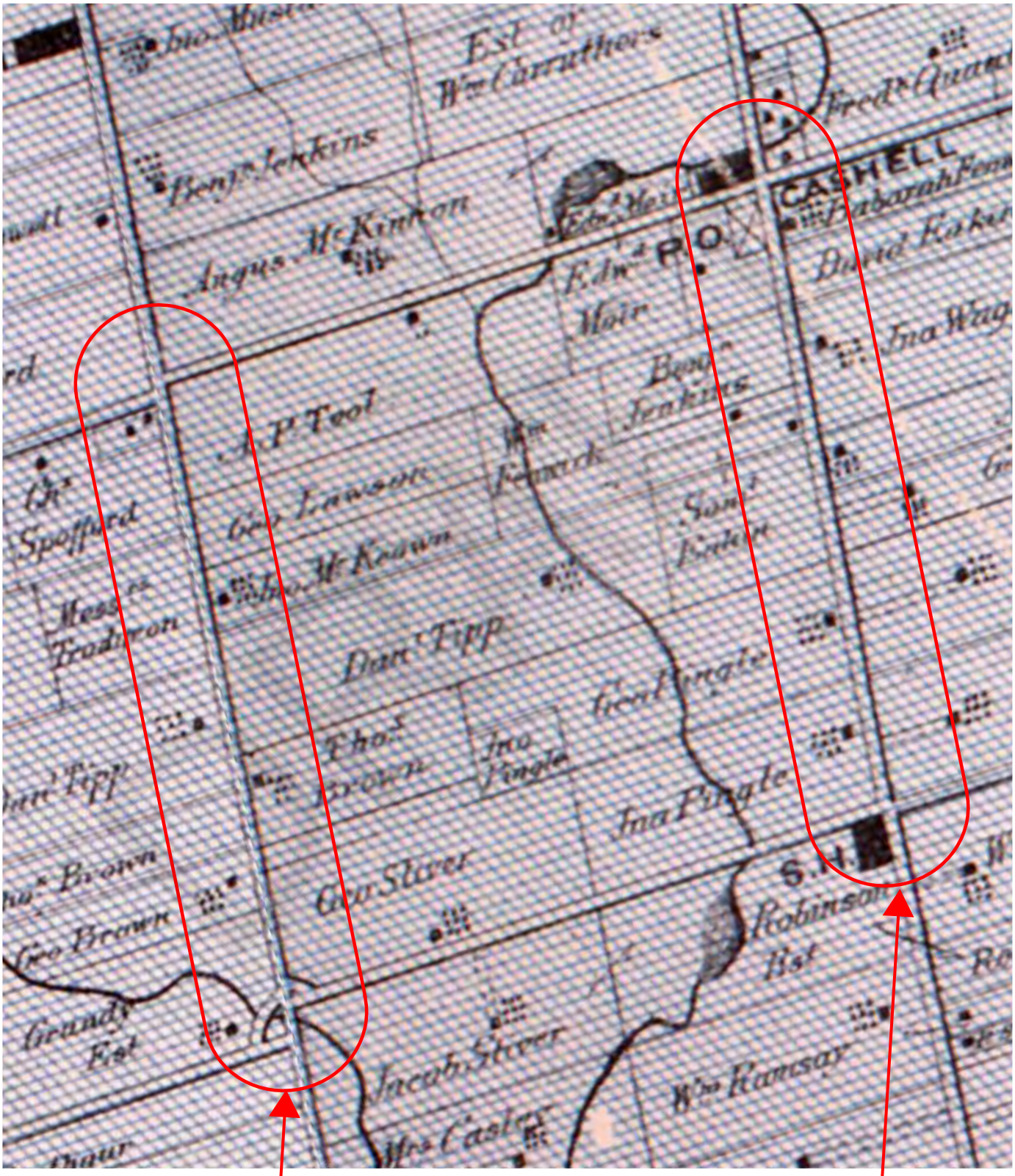
Appendix C

Historical Maps and Documents

1860 Tremaine map with
Warden Avenue Study Area and Kennedy Road Study Area



1878 Markham Township map with
Warden Avenue Study Area and Kennedy Road Study Area



Full record for Pingle, John

Last Name	Pingle
First Name	John
Township	Markham
County	York
Atlas Date	1878

Concession and Lot	Lot size
V, 21	100
V, 22	20

Full record for Pingle, George

Last Name	Pingle
First Name	George
Township	Markham
County	York
Atlas Date	1878

Concession and Lot	Lot size
V, 22	115

Full record for Tipp, Daniel

Last Name	Tipp
First Name	Daniel
Township	Markham
County	York
Atlas Date	1878

Concession and Lot	Lot size
IV, 23	100
V, 23	150

Full record for Eakin, Samuel

Last Name	Eakin
First Name	Samuel
Township	Markham
County	York
Atlas Date	1878

Concession and Lot	Lot size
V, 23	50
	15

Full record for McKinnon, Angus

Last Name	McKinnon
First Name	Angus
Township	Markham
County	York
Atlas Date	1878

Concession and Lot	Lot size
V, 26	185

Search Results

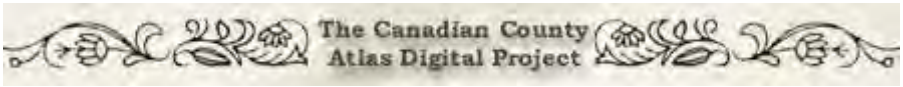
Last Name	First Name	County	Township	Town	Occupation	Birthplace
Armstrong	R.G.	York	Markham		Farmer; Stock Breeder	Canada
Armstrong	William	York	Markham		Farmer	Canada
Bowman	John	York	Markham		Farmer; Miller	Canada
Boyd	James	York	Markham		Farmer	Ireland
Bruce	Robert	York	Markham		Farmer; Miller	Scotland
Bruce	William	York	Markham		Farmer; Miller	Scotland
Button	John	York	Markham		Farmer	Canada
Button	Newbury	York	Markham		Farmer	Canada
Byer	Jonas	York	Markham		Farmer; Saw Miller	Canada
Crosby	H. Powell	York	Markham		Farmer; Miller; J.P.	Canada
Duncan	John	York	Markham		Farmer	Canada
Echardt	Edward	York	Markham		Farmer	Canada

Search Results

Last Name	First Name	County	Township	Town	Occupation	Birthplace
Gibson	John	York	Markham		Farmer	Scotland
Jennings	Henry	York	Markham		Farmer	England
Langstaff	John	York	Markham		Farmer; Manufacturer	Canada
Lapp	Joseph	York	Markham		Farmer	
McCague	John	York	Markham		Farmer	Canada
McLean	Allan P.	York	Markham		Farmer	Ireland
McPherson	Alexander	York	Markham		Farmer	Nova Scotia, Canada
Miller	Henry	York	Markham		Farmer	Canada
Miller	John	York	Markham		Farmer	Canada
Milroy	John	York	Markham		Farmer	Canada
Morgan	John	York	Markham		Farmer	Canada
Mortson	Thomas	York	Markham		Farmer	Canada

Search Results

Last Name	First Name	County	Township	Town	Occupation	Birthplace
Pike	John	York	Markham		Farmer	Canada
Quantz	Daniel	York	Markham		Farmer	Canada
Ratcliff	William	York	Markham		Retired Farmer	England
Raymer	Simon P.	York	Markham		Farmer	
Reesor	David Jr.	York	Markham		Gentleman; Farmer; General Speculator	Silver Springs Farm, Canada
Reesor	J.S.	York	Markham	Markham	Farmer; Cancer Doctor	Canada
Reesor	Samuel	York	Markham		Farmer; Miller	Canada
Robinson	James	York	Markham		Farmer	Canada
Rolph	William Jr.	York	Markham		Breeder of Short-Horn Cattle, Cotswald Sheep	Canada
Sherick	Daniel	York	Markham		Farmer	Canada
Slater	Jonathan	York	Markham		Farmer	Canada
Toole	Aaron P.	York	Markham		Farmer	Canada



Search Results

Last Name	First Name	County	Township	Town	Occupation	Birthplace
Williamson	Thomas	York	Markham		Farmer; School Teacher	Canada
Wilmot	Joseph E.	York	Markham		Farmer	Canada

1917 TOPOGRAPHIC MAP - Warden Avenue Study Area and Kennedy Road Study Area

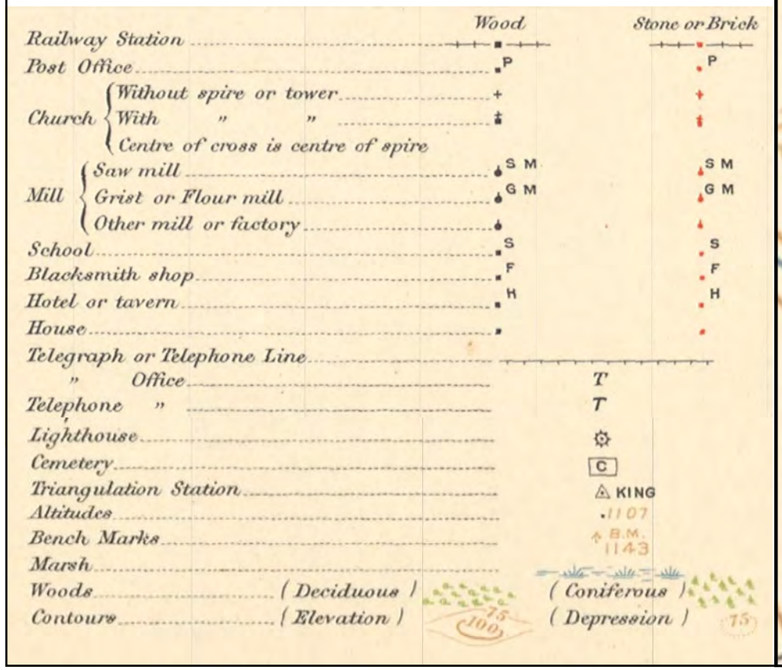
Scholars GeoPortal

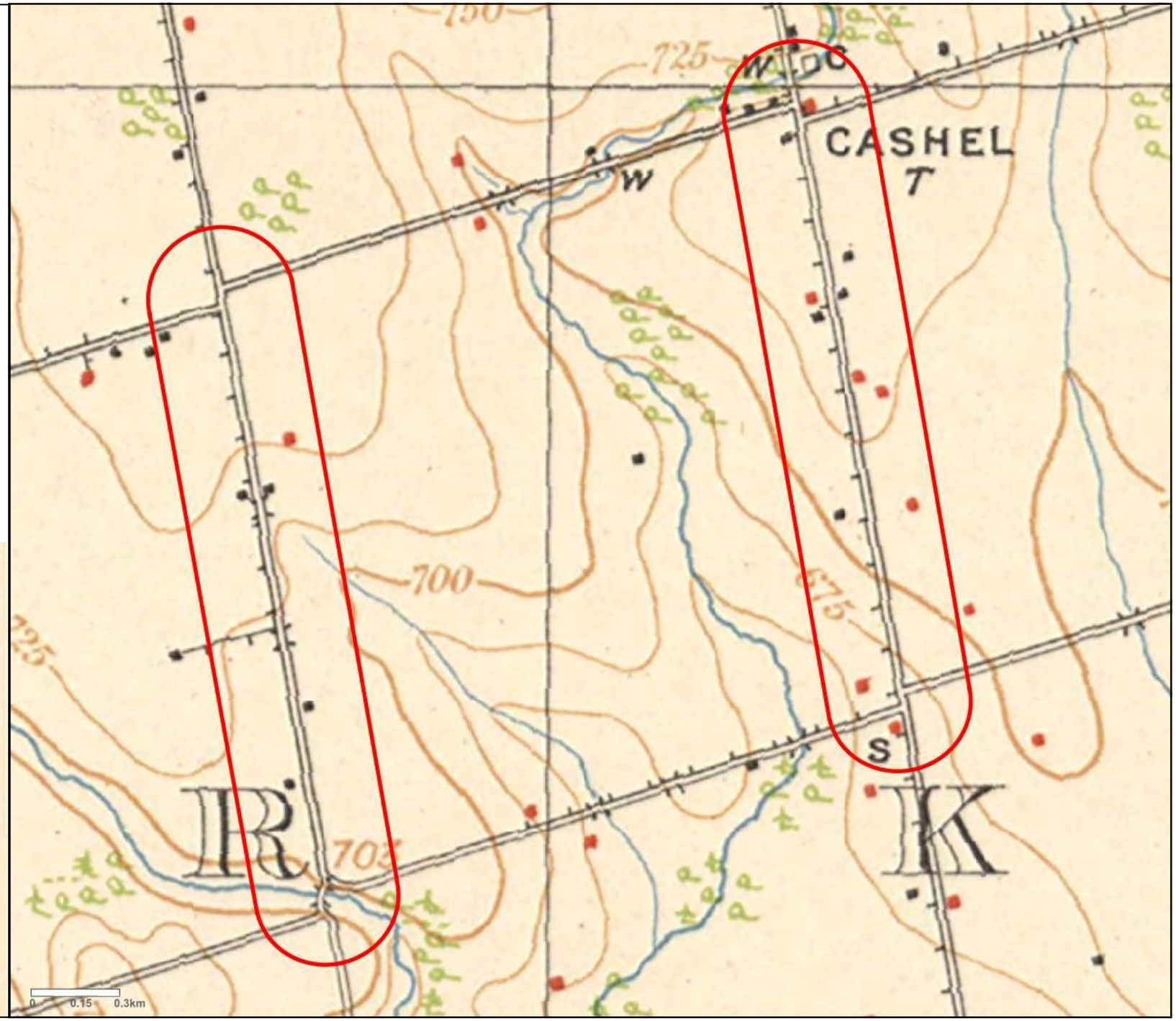
Markham, Ontario. 1:63,360. Map Sheet 030M14, [ed. 2], 1917

Producer: **Survey Division, Department of Militia and Defence**
Date published: **1917-01-01 (publication), 2016-01-01 (publication)**
Type of data layer: **Raster, Not specified**

The survey for this map was conducted in 1909, as part of a national topographical survey originally commissioned by Department of Militia and Defence in 1904**.** Surveys for Ontario were completed by one of two Canadian Government Agencies: the Survey Division of the Department of Militia and Defence (after 1923: the Geographical Section, General Staff, Department of National Defence) and the Geological Survey in the Department of Mines (after 1935: the Mapping Branch of the Department of Energy, Mines and Resources)**.**

Original maps were digitally scanned and georeferenced as part of the Ontario Council of University Libraries (OCUL) Historical Topographic Map Digitization Project**.**





LPAT File Number PL140743 - April 9, 2018 Office Consolidation

OFFICIAL PLAN

APPENDIX H - FORMER WASTE DISPOSAL SITES

as modified and approved by York Region June 12/14

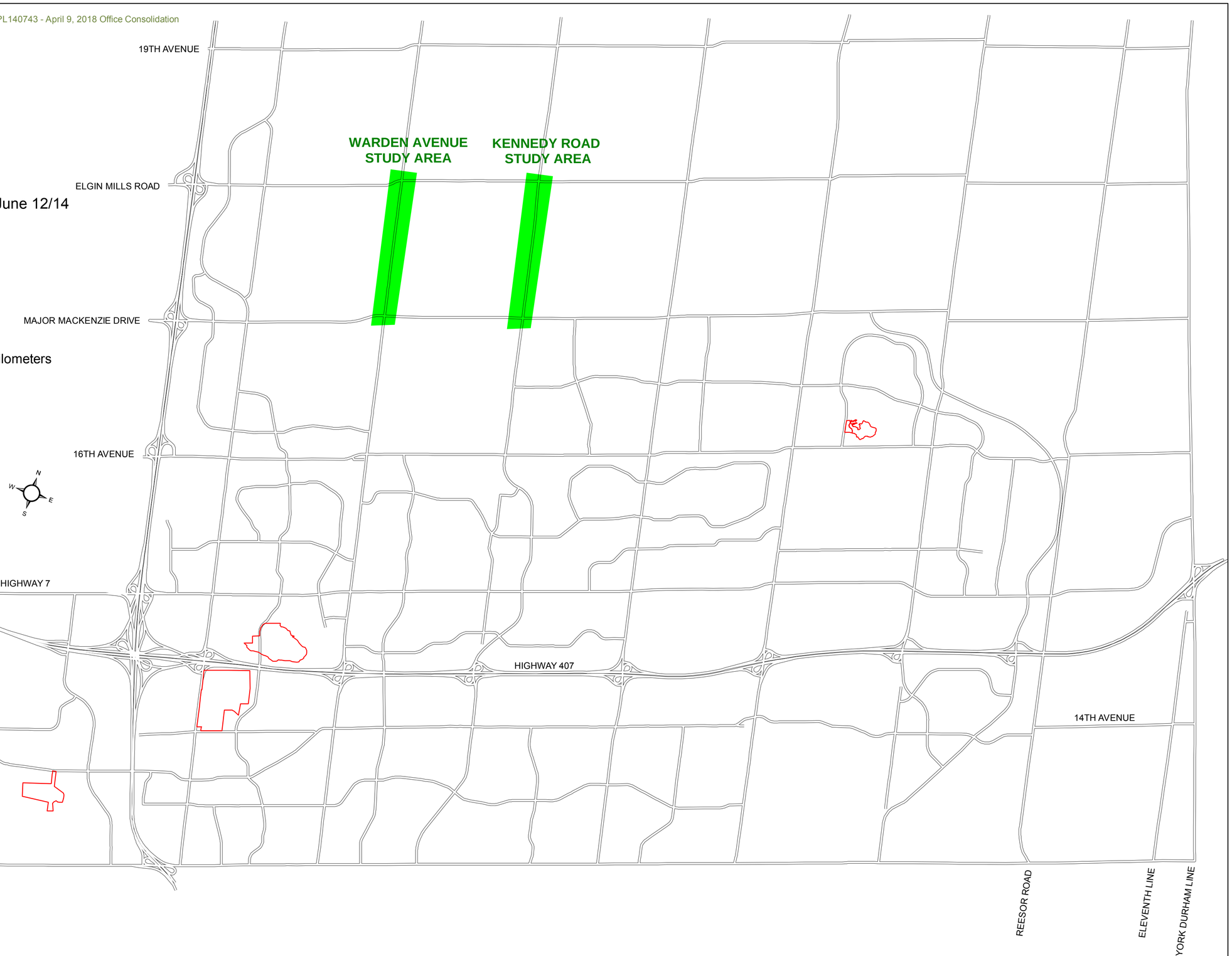
JUNE 2014

SCALE
1:35,000

0 0.475 0.95 1.9 2.85 3.8
Kilometers

Former Waste Disposal Sites

NOTE:
1) Potential former waste disposal sites may exist in other locations in the City. Confirmation of potential former waste disposal sites may be obtained by contacting the City's Environmental Asset Group.



Path: Q:\Geomatics\Departments\Planning\Policy\MI527 New OP\OMB Approved Schedules Nov 2017\Appendix H\Appendix H Former Waste Disposal Sites.mxd

BURNSIDE

[THE DIFFERENCE IS OUR PEOPLE]

Appendix D

City Directory and Business Information

Reid's Towing Service

4.6 ★★★★½ 23 reviews

Towing service

Directions | Save | Nearby | Send to your phone | Share

10565 Warden Ave., Markham, ON L6C 1M8

Closed · Opens 8 a.m. Mon

reidstowing.com

reidstowing.com

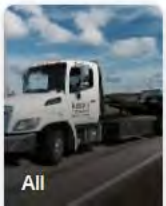
(416) 576-5955

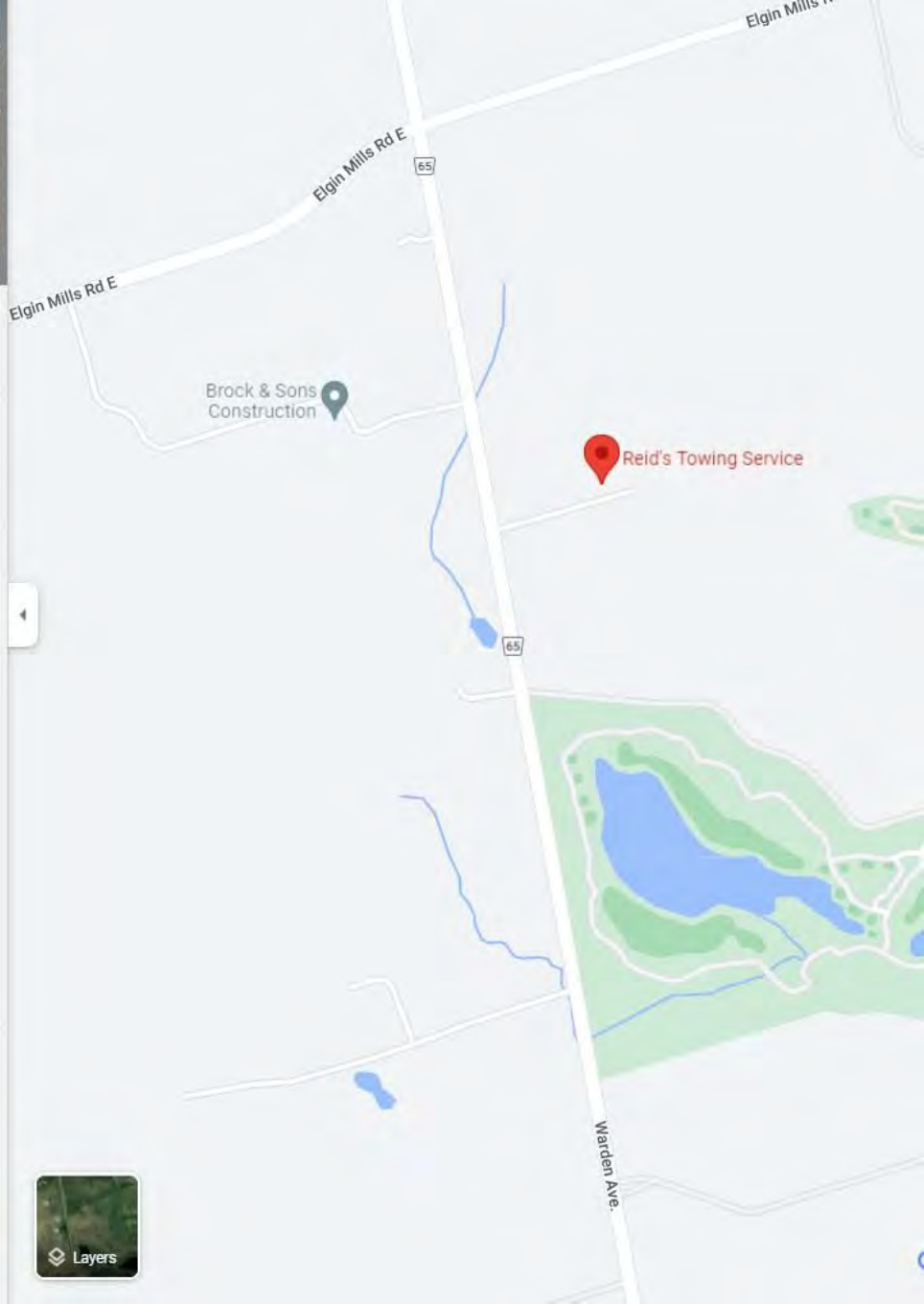
WM44+F2 Markham, Ontario

Add a label

Suggest an edit

Photos





Brock & Sons Construction Ltd

5.0 ★★★★★ 4 reviews

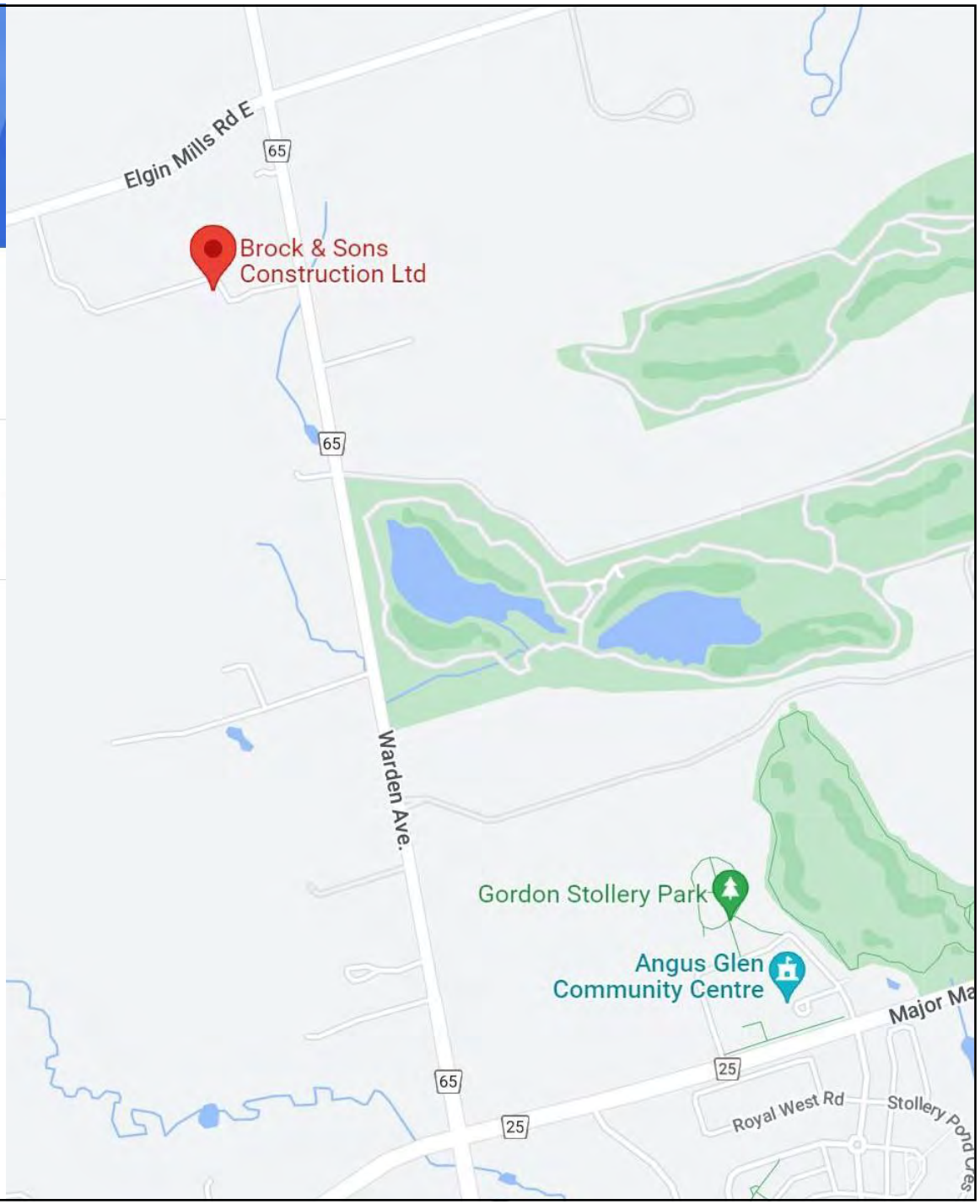
Excavating contractor

Directions | Save | Nearby | Send to phone | Share

10620 Warden Ave., Markham, ON L6C 1N3

brockandsons.ca

(905) 887-1650



Master's Cleaners

3.0 ★★★☆☆ 5 reviews

Dry cleaner

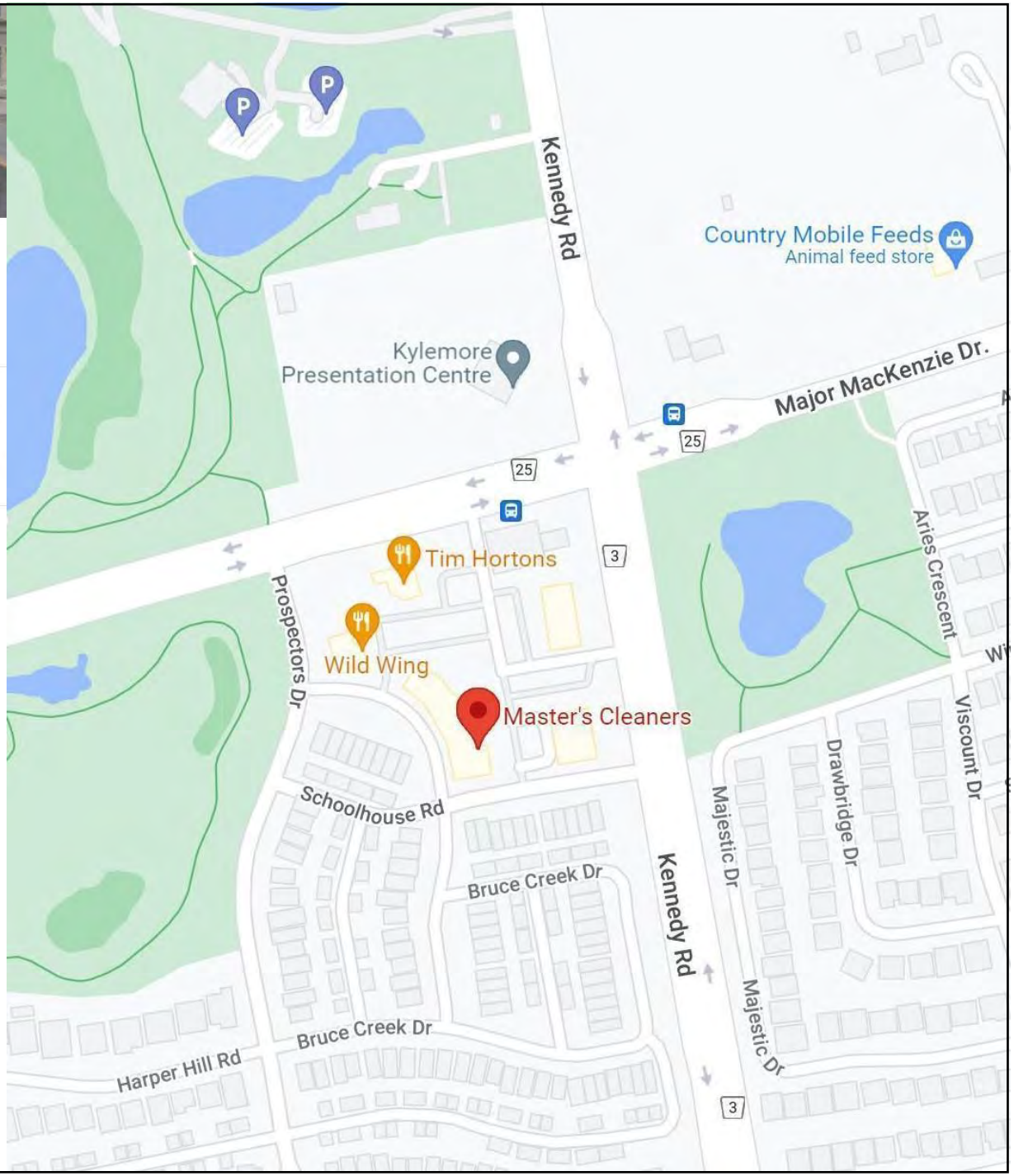
Directions | Save | Nearby | Send to phone | Share

9980 Kennedy Rd, Markham, ON L6C 0M4

Closed · Opens 10 a.m. Thu

masterscleaners.ca

(905) 946-4468



Symposium Cafe Restaurant & Lounge

3.9 ★★★★☆ 846 reviews · $$

Restaurant

Directions | Save | Nearby | Send to your phone | Share

✓ Dine-in · ✓ Curbside pickup
✓ No-contact delivery

9990 Kennedy Rd, Markham, ON L6C 0M4

Open · Closes 10 p.m.
Confirmed by phone call 6 weeks ago

Health and safety: Mask required · Staff wear masks · 1 more

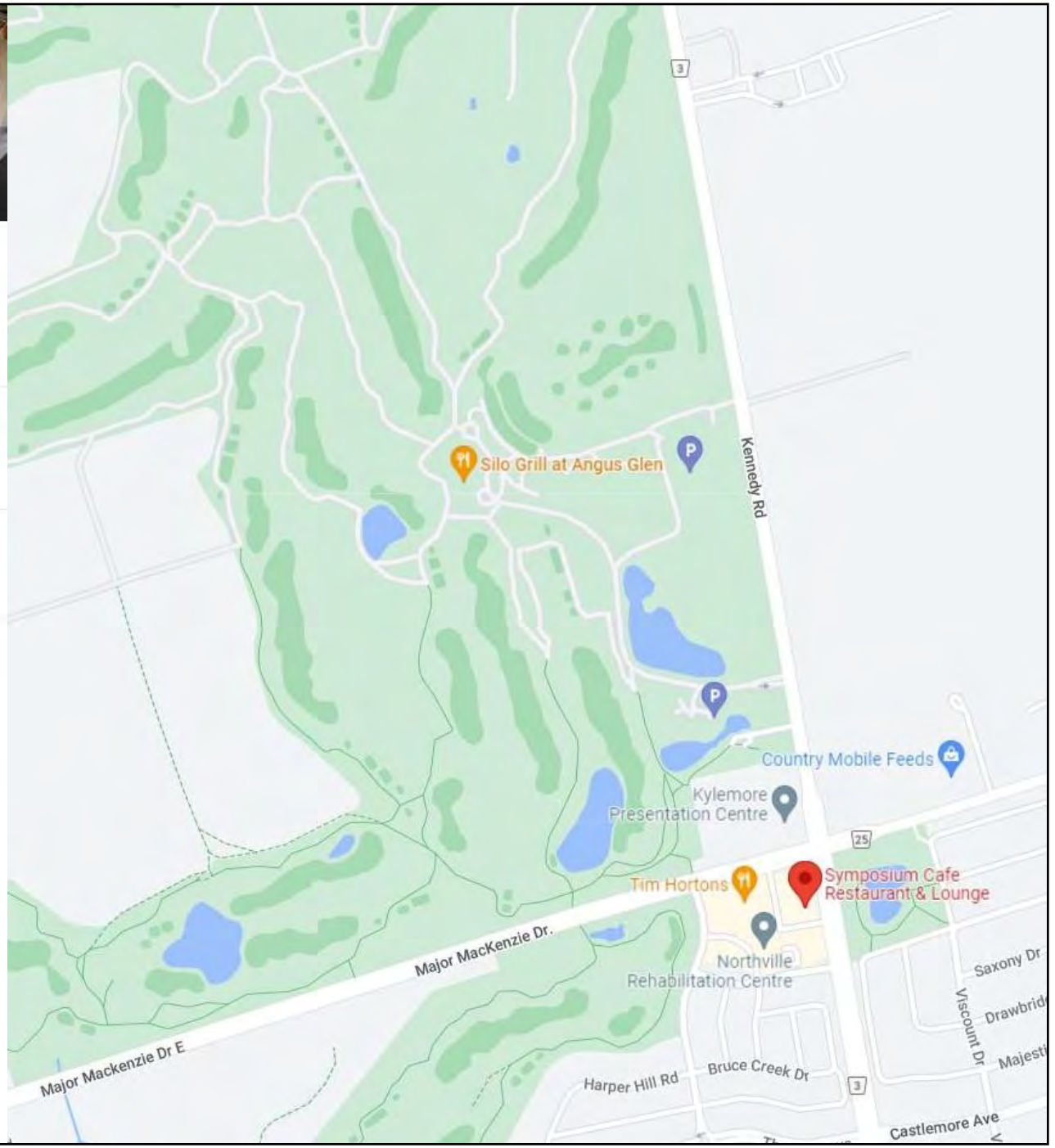
Find a table
symposiumcafe.com

Place an order

Menu
symposiumcafe.com

symposiumcafe.com

(905) 927-9779



Tim Hortons

3.8 ★★★★☆ 722 reviews · $

Restaurant

Directions | Save | Nearby | Send to your phone | Share

Canadian chain selling signature premium-blend coffee, plus light fare like pastries & panini.

✓ Dine-in · ✓ Drive-through · ✗ Delivery

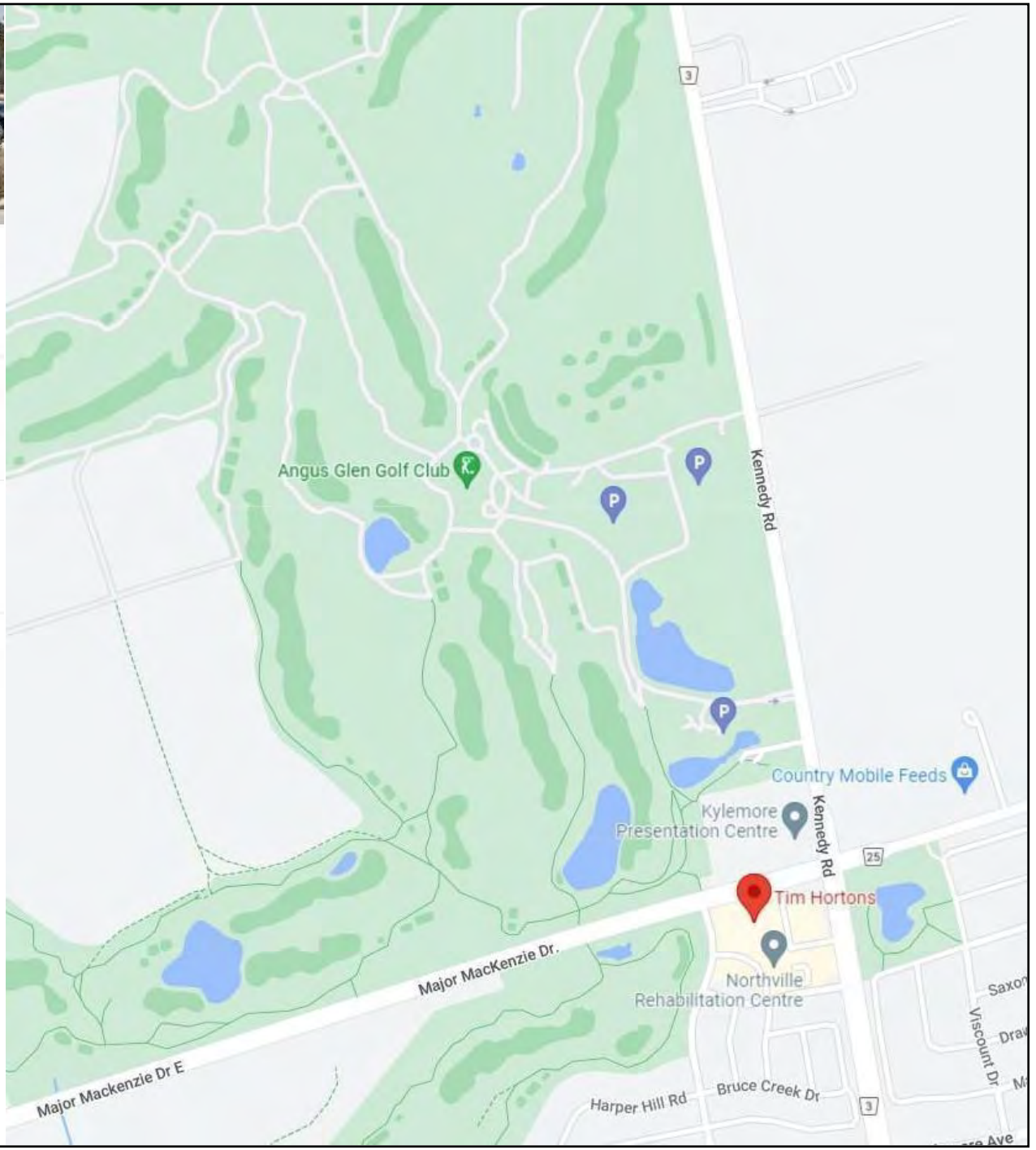
4467 Major Mackenzie Dr E, Markham, ON L6C 0M4

Open 24 hours
Confirmed by this business 1 week ago
See more hours

Menu
timhortons.ca

locations.timhortons.ca

(905) 887-1441



Kylemore Presentation Centre

4.0 ★★★★☆ 1 review

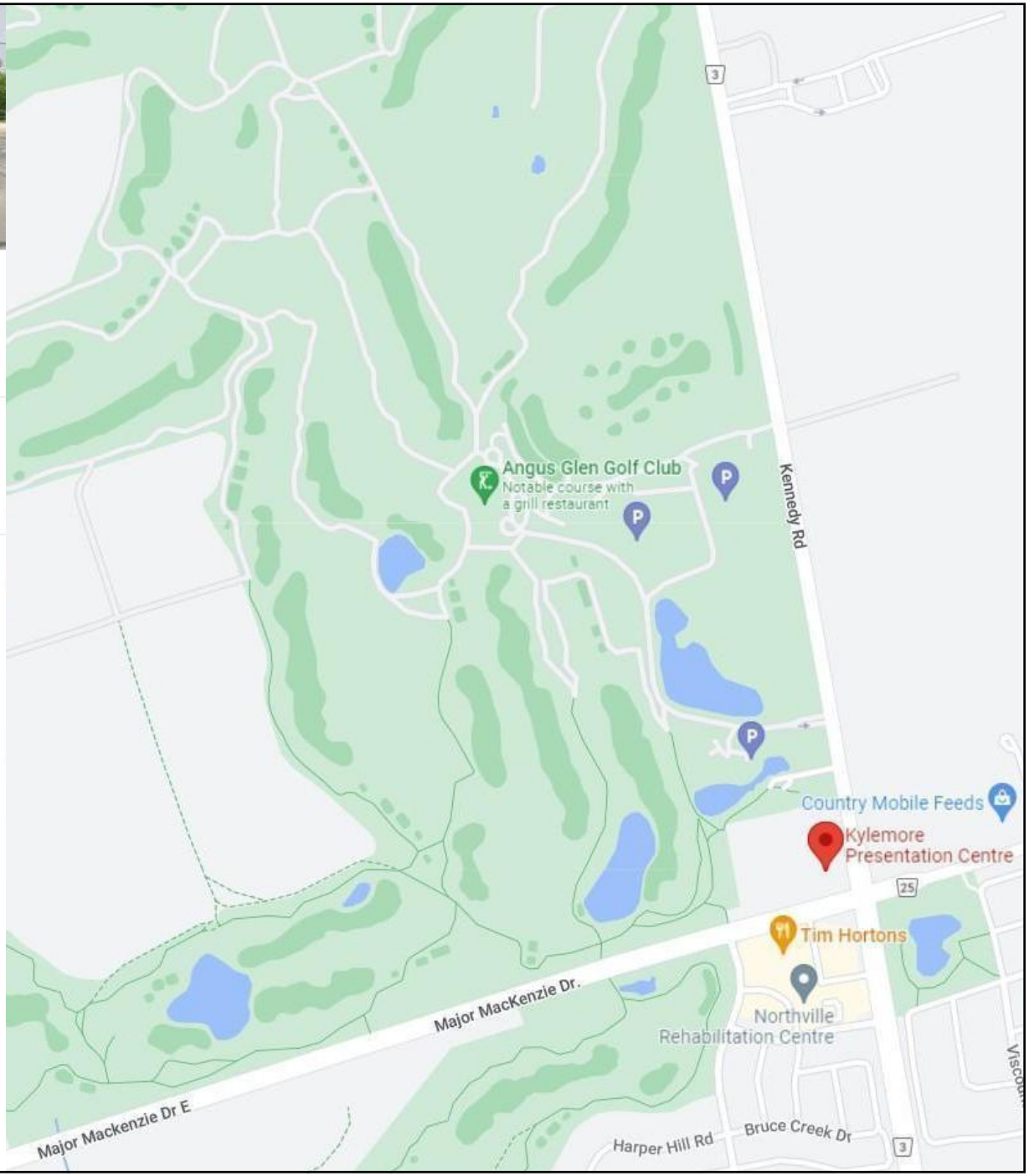
Corporate office

Directions | Save | Nearby | Send to your phone | Share

Markham, ON L6C 1N9

kylemorecommunities.com

(905) 887-9950



Angus Glen Golf Club

4.4 ★★★★½ 937 reviews

Golf club

Directions | Save | Nearby | Send to your phone | Share

Sprawling golf green hosting the Canadian Open, with a grill restaurant in a grand clubhouse.

Ad · Booking.com - Hotels Nearby

Places to stay near Angus Glen Golf Club

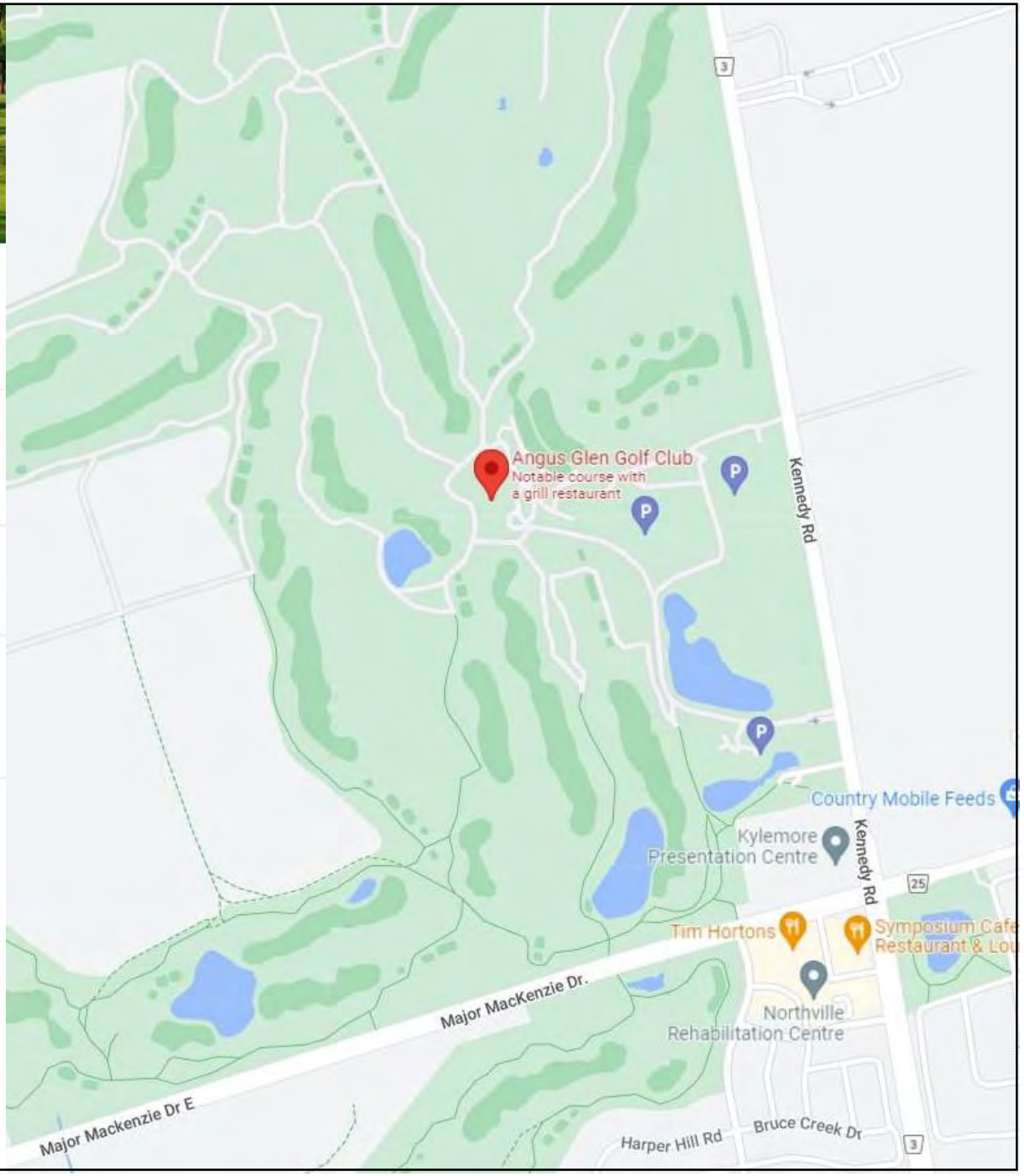
www.booking.com/

10080 Kennedy Rd, Markham, ON L6C 1N9

Closes soon · 9 p.m. · Opens 9 a.m. Mon

angusglen.com

(905) 887-0090



Markham Register of Property of Cultural Heritage Value or Interest	
Address:	**4510 ELGIN MILLS RD E**
Original Address:	Kennedy Road
Property Legal Description:	CON 6 PT LOT 26
Historical Name:	The Cashel Road House
Heritage Conservation District:	
Ward:	6
Year Built:	1835
Architect Style:	Georgian
Heritage Status of Property:	Part IV (Individual)
Designation Bylaw:	298-78
Heritage Easement Agreement:	No

History Description

Part Lot 26, Concession 6, was once the Llandon Plains Hotel, later a post office/store and later became Bates Roadhouse Antiques (The Cashel) and residence. The hotel is a well preserved example of a 19th century hotel. Two storeys high and five bay wide, the principal façade is to the south. The one storey wind added after 1888 fans out from the north side. Due to the nature of its earlier function, this hotel takes on a pseudo-Georgian appearance with eclectic modifications. The basic wall construction is in solid red brick, three courses deep. The principal roof is a low gable with a boxed and returning cornice. The paired brackets are an 1870s addition. The principal entrance in surrounded by a transom and sidelights. Immediately to the left is the store entrance. Historically the land which the former hotel occupies was part of a land grant in 1808 given to two Irishmen from Cashel, Ireland. These two individuals were responsible for its construction although a Mr. Nicholson ran and owned the hotel itself. In 1888 this massive structure became the Cashel Post Office and General Store.

Contemporary Photograph

Heritage Photograph

BURNSIDE

[THE DIFFERENCE IS OUR PEOPLE]

Appendix E

ERIS Reports, Waste Generators, and Well Records

DATABASE REPORT

Project Property:	*052314 Warden Ave Study Area COS Warden Avenue ROW from Elgin Mills to Major Mackenzie Markham ON*
Project No:	*300052314.0000*
Report Type:	*Quote - Custom-Build Your Own Report*
Order No:	*21101500438*
Requested by:	*R.J. Burnside & Associates Limited*
Date Completed:	*June 8, 2022*

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

Table of Contents

Executive Summary

Property Information:

Project Property:	*052314 Warden Ave Study Area COS* *Warden Avenue ROW from Elgin Mills to Major Mackenzie Markham ON*
Project No:	*300052314.0000*

Order Information:

Order No:	*21101500438*
Date Requested:	*October 15, 2021*
Requested by:	*R.J. Burnside & Associates Limited*
Report Type:	*Quote - Custom-Build Your Own Report*

Historical/Products:

ERIS Xplorer	*ERIS Xplorer*

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Boundary to 0.00km	Total
AAGR	*Abandoned Aggregate Inventory*	Y	0	0	0
AGR	*Aggregate Inventory*	Y	0	0	0
AMIS	*Abandoned Mine Information System*	Y	0	0	0
ANDR	*Anderson's Waste Disposal Sites*	Y	0	0	0
AST	*Aboveground Storage Tanks*	Y	0	0	0
AUWR	*Automobile Wrecking & Supplies*	Y	0	0	0
BORE	*Borehole*	Y	0	0	0
CA	*Certificates of Approval*	Y	0	0	0
CDRY	*Dry Cleaning Facilities*	Y	0	0	0
CFOT	*Commercial Fuel Oil Tanks*	Y	0	0	0
CHEM	*Chemical Manufacturers and Distributors*	Y	0	0	0
CHM	*Chemical Register*	Y	0	0	0
CNG	*Compressed Natural Gas Stations*	Y	0	0	0
COAL	*Inventory of Coal Gasification Plants and Coal Tar Sites*	Y	0	0	0
CONV	*Compliance and Convictions*	Y	0	0	0
CPU	*Certificates of Property Use*	Y	0	0	0
DRL	*Drill Hole Database*	Y	0	0	0
DTNK	*Delisted Fuel Tanks*	Y	2	0	2
EASR	*Environmental Activity and Sector Registry*	Y	0	0	0
EBR	*Environmental Registry*	Y	0	0	0
ECA	*Environmental Compliance Approval*	Y	3	0	3
EEM	*Environmental Effects Monitoring*	Y	0	0	0
EHS	*ERIS Historical Searches*	Y	3	0	3
EIIS	*Environmental Issues Inventory System*	Y	0	0	0
EMHE	*Emergency Management Historical Event*	Y	0	0	0
EPAR	*Environmental Penalty Annual Report*	Y	0	0	0
EXP	*List of Expired Fuels Safety Facilities*	Y	0	0	0
FCON	*Federal Convictions*	Y	0	0	0
FCS	*Contaminated Sites on Federal Land*	Y	0	0	0
FOFT	*Fisheries & Oceans Fuel Tanks*	Y	0	0	0
FRST	*Federal Identification Registry for Storage Tank Systems (FIRSTS)*	Y	0	0	0
FST	*Fuel Storage Tank*	Y	0	0	0
FSTH	*Fuel Storage Tank - Historic*	Y	0	0	0
GEN	*Ontario Regulation 347 Waste Generators Summary*	Y	11	0	11
GHG	*Greenhouse Gas Emissions from Large Facilities*	Y	0	0	0
HINC	*TSSA Historic Incidents*	Y	0	0	0

Database	Name	Searched	Project Property	Boundary to 0.00km	Total
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0
INC	Fuel Oil Spills and Leaks	Y	0	0	0
LIMO	Landfill Inventory Management Ontario	Y	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0
NCPL	Non-Compliance Reports	Y	0	0	0
NDFT	National Defense & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defense & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
NEBI	National Energy Board Pipeline Incidents	Y	0	0	0
NEBP	National Energy Board Wells	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	0	0
NPRI	National Pollutant Release Inventory	Y	0	0	0
OGWE	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	0	0
PINC	Pipeline Incidents	Y	0	0	0
PRT	Private and Retail Fuel Storage Tanks	Y	1	0	1
PTTW	Permit to Take Water	Y	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	0	0
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	0	0
SPL	Ontario Spills	Y	2	0	2
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	25	0	25
	Total:		47	0	47

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
1	WWIS		ELGIN MILLS RD. E/ WARDEN AVE MARKHAM ON ***Well ID:*** 7224880	SW/0.0	-3.60	22
2	ECA	Berczy Warden Holdings Inc.	ON	SW/0.0	-3.84	25
3	WWIS		WARDEN AVENUE NORTH OF MAJOR MACKENZIE lot 23 con 5 Markham ON ***Well ID:*** 7129457	SSE/0.0	-7.50	25
4	WWIS		WARDEN lot 21 con 5 MARKHAM ON ***Well ID:*** 7206236	N/0.0	0.92	28
5	ECA	Berczy Warden Holdings Inc.	ON	SSW/0.0	-5.11	31
6	WWIS		lot 24 con 4 ON ***Well ID:*** 6922583	NNW/0.0	3.99	31
7	WWIS		ELGIN MILLS RD. E / WARDEN AVE MARKHAM ON ***Well ID:*** 7224878	NNW/0.0	3.97	35
8	WWIS		lot 24 con 5 ON ***Well ID:*** 6919168	NNW/0.0	3.94	38

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
9	WWIS		ANGUS GLEN 10231 WARDEN AVE. MARKHAM ON ***Well ID:*** 7260026	SSE/0.0	-3.12	42
10	WWIS		lot 22 con 4 ON ***Well ID:*** 6903369	S/0.0	-2.12	46
11	EHS		10231 Warden Avenue Markham ON	SSE/0.0	-0.99	50
12	WWIS		WARDEN AVE lot 24 con 5 Markham ON ***Well ID:*** 7190781	N/0.0	5.17	50
13	WWIS		ON ***Well ID:*** 7373834	SSE/0.0	-0.03	52
14	GEN	Brock & Sons Construction Ltd.	10620 Warden Ave. Markham ON L6C 1N3	NNW/0.0	8.26	53
14	GEN	Brock & Sons Construction Ltd.	10620 Warden Ave. Markham ON L6C 1N3	NNW/0.0	8.26	53
14	GEN	Brock & Sons Construction Ltd.	10620 Warden Ave. Markham ON L6C 1N3	NNW/0.0	8.26	54
14	GEN	Brock & Sons Construction Ltd.	10620 Warden Ave. Markham ON	NNW/0.0	8.26	54
14	GEN	Brock & Sons Construction Ltd.	10620 Warden Ave. Markham ON L6C 1N3	NNW/0.0	8.26	54

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
14	GEN	Brock & Sons Construction Ltd.	10620 Warden Ave. Markham ON L6C 1N3	NNW/0.0	8.26	54
14	GEN	Brock & Sons Construction Ltd.	10620 Warden Ave. Markham ON L6C 1N3	NNW/0.0	8.26	55
14	GEN	Brock & Sons Construction Ltd.	10620 Warden Ave. Markham ON L6C 1N3	NNW/0.0	8.26	55
14	GEN	Brock & Sons Construction Ltd.	10620 Warden Ave. Markham ON L6C 1N3	NNW/0.0	8.26	55
14	GEN	Brock & Sons Construction Ltd.	10620 Warden Ave. Markham ON L6C 1N3	NNW/0.0	8.26	55
14	GEN	Brock & Sons Construction Ltd.	10620 Warden Ave. Markham ON L6C 1N3	NNW/0.0	8.26	56
15	WWIS		lot 23 con 4 ON ***Well ID:*** 6923540	NNW/0.0	8.02	56
16	WWIS		ELGIN MILLS RD. E / WARDEN AVE. MARKHAM ON ***Well ID:*** 7224871	NNW/0.0	8.00	60
17	WWIS		lot 21 con 4 ON ***Well ID:*** 6923597	SSE/0.0	-0.03	63

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
18	PRT	COMMERCIAL BURNER MAINTENANCE LTD	10148 WARDEN AV MARKHAM ON L6C 1N3	S/0.0	-0.03	68
18	DTNK	COMMERCIAL BURNER SERVICE A DIVISION OF COMMERCIAL BURNER MAINTENANCE LIMITED	10148 WARDEN AVE MARKHAM ON	S/0.0	-0.03	68
18	DTNK	COMMERCIAL BURNER SERVICE A DIVISION OF COMMERCIAL BURNER MAINTENANCE LIMITED	10148 WARDEN AVE MARKHAM ON	S/0.0	-0.03	69
19	WWIS		ON ***Well ID:*** 7260112	NNW/0.0	7.97	70
20	WWIS		lot 21 con 4 ON ***Well ID:*** 6924955	S/0.0	-0.03	71
21	WWIS		HERITAGE HILL lot 3 con 4 RICHMOND HILL ON ***Well ID:*** 6929528	S/0.0	-1.00	75
22	WWIS		lot 25 con 4 ON ***Well ID:*** 6915049	NNW/0.0	9.97	82
23	EHS		10726 Warden Avenue Markham ON L6C 1N3	NNW/0.0	9.97	86
24	WWIS		lot 21 con 4 ON ***Well ID:*** 6917614	SSE/0.0	-2.07	86

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
25	WWIS		WARDEN AVE. Markham ON ***Well ID:*** 7208224	NNW/0.0	9.59	90
26	WWIS		lot 25 con 5 ON ***Well ID:*** 6919926	NNW/0.0	9.97	92
27	WWIS		lot 21 con 4 ON ***Well ID:*** 6903368	S/0.0	-9.23	96
28	SPL	UNKNOWN	WARDEN RD AND MAJOR MACKENZIE MARKHAM TOWN ON	SSE/0.0	-8.14	99
28	SPL	MOTOR VEHICLE	WARDEN AVE. & MAJOR MACKENZIE MOTOR VEHICLE (OPERATING FLUID) MARKHAM TOWN ON	SSE/0.0	-8.14	10
28	ECA	The Regional Municipality of York	Southwest Corner of Major Mackenzie and Warden Avenue Markham ON L3Y 6Z1	SSE/0.0	-8.14	100
29	WWIS		lot 20 con 5 ON ***Well ID:*** 6911860	SSE/0.0	-9.04	101
30	WWIS		lot 20 con 5 ON ***Well ID:*** 6911440	SSE/0.0	-9.01	104
31	EHS		Warden Avenue Culvert Markham ON L6C 1M7	SSE/0.0	-15.79	107
32	WWIS		lot 20 con 4 ON	S/0.0	-16.28	107

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
			Well ID: 6919813			
33	WWIS		3803 MAJOR MACKENZIE DR Markham ON ***Well ID:*** 7230120	SSE/0.0	-9.84	111

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number

No records found in the selected databases for the surrounding properties.

Executive Summary: Summary By Data Source

DTNK - Delisted Fuel Tanks

A search of the DTNK database, dated Feb 28, 2022 has found that there are 2 DTNK site(s) within approximately 0.00 kilometers of the project property.

Site	Address	Distance (m)	Map Key
COMMERCIAL BURNER SERVICE A DIVISION OF COMMERCIAL BURNER MAINTENANCE LIMITED	10148 WARDEN AVE MARKHAM ON	0.0	18
COMMERCIAL BURNER SERVICE A DIVISION OF COMMERCIAL BURNER MAINTENANCE LIMITED	10148 WARDEN AVE MARKHAM ON	0.0	18

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011- Apr 30, 2022 has found that there are 3 ECA site(s) within approximately 0.00 kilometers of the project property.

Site	Address	Distance (m)	Map Key
Berczy Warden Holdings Inc.	ON	0.0	2
Berczy Warden Holdings Inc.	ON	0.0	5
The Regional Municipality of York	Southwest Corner of Major Mackenzie and Warden Avenue Markham ON L3Y 6Z1	0.0	28

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Mar 31, 2022 has found that there are 3 EHS site(s) within approximately 0.00 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	10231 Warden Avenue Markham ON	0.0	11
	10726 Warden Avenue Markham ON L6C 1N3	0.0	23
	Warden Avenue Culvert Markham ON L6C 1M7	0.0	31

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Feb 28, 2022 has found that there are 11 GEN site(s) within approximately 0.00 kilometers of the project property.

Site	Address	Distance (m)	Map Key
Brock & Sons Construction Ltd.	10620 Warden Ave. Markham ON L6C 1N3		14
Brock & Sons Construction Ltd.	10620 Warden Ave. Markham ON L6C 1N3	0.0	14
Brock & Sons Construction Ltd.	10620 Warden Ave. Markham ON L6C 1N3	0.0	14
Brock & Sons Construction Ltd.	10620 Warden Ave. Markham ON L6C 1N3	0.0	14
Brock & Sons Construction Ltd.	10620 Warden Ave. Markham ON L6C 1N3	0.0	14
Brock & Sons Construction Ltd.	10620 Warden Ave. Markham ON L6C 1N3	0.0	14
Brock & Sons Construction Ltd.	10620 Warden Ave. Markham ON L6C 1N3	0.0	14

Site	Address	Distance (m)	Map Key
Brock & Sons Construction Ltd.	10620 Warden Ave. Markham ON	0.0	14
Brock & Sons Construction Ltd.	10620 Warden Ave. Markham ON L6C 1N3	0.0	14
Brock & Sons Construction Ltd.	10620 Warden Ave. Markham ON L6C 1N3	0.0	14
Brock & Sons Construction Ltd.	10620 Warden Ave. Markham ON L6C 1N3	0.0	14

PRT - Private and Retail Fuel Storage Tanks

A search of the PRT database, dated 1989-1996* has found that there are 1 PRT site(s) within approximately 0.00 kilometers of the project property.

Site	Address	Distance (m)	Map Key
COMMERCIAL BURNER MAINTENANCE LTD	10148 WARDEN AV MARKHAM ON L6C 1N3	0.0	18

SPL - Ontario Spills

A search of the SPL database, dated 1988-Sep 2020; Dec 2020-Mar 2021 has found that there are 2 SPL site(s) within approximately 0.00 kilometers of the project property.

Site	Address	Distance (m)	Map Key
UNKNOWN	WARDEN RD AND MAJOR MACKENZIE MARKHAM TOWN ON	0.0	28
MOTOR VEHICLE	WARDEN AVE. & MAJOR MACKENZIE MOTOR VEHICLE (OPERATING FLUID) MARKHAM TOWN ON	0.0	28

WWIS - Water Well Information System

A search of the WWIS database, dated Sep 30, 2021 has found that there are 25 WWIS site(s) within approximately 0.00 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	ELGIN MILLS RD. E/ WARDEN AVE MARKHAM ON ***Well ID:*** 7224880	0.0	1
	WARDEN AVENUE NORTH OF MAJOR MACKENZIE lot 23 con 5 Markham ON ***Well ID:*** 7129457	0.0	3
	WARDEN lot 21 con 5 MARKHAM ON ***Well ID:*** 7206236	0.0	4
	lot 24 con 4 ON ***Well ID:*** 6922583	0.0	6
	ELGIN MILLS RD. E / WARDEN AVE MARKHAM ON ***Well ID:*** 7224878	0.0	7
	lot 24 con 5 ON ***Well ID:*** 6919168	0.0	8
	ANGUS GLEN 10231 WARDEN AVE. MARKHAM ON ***Well ID:*** 7260026	0.0	9
	lot 22 con 4 ON ***Well ID:*** 6903369	0.0	10
	WARDEN AVE lot 24 con 5 Markham ON ***Well ID:*** 7190781	0.0	12
	ON ***Well ID:*** 7373834	0.0	13
	lot 23 con 4 ON	0.0	15

Site	Address	Distance (m)	Map Key
	Well ID: 6923540		
	ELGIN MILLS RD. E / WARDEN AVE. MARKHAM ON ***Well ID:*** 7224871	0.0	16
	lot 21 con 4 ON ***Well ID:*** 6923597	0.0	17
	ON ***Well ID:*** 7260112	0.0	19
	lot 21 con 4 ON ***Well ID:*** 6924955	0.0	20
	HERITAGE HILL lot 3 con 4 RICHMOND HILL ON ***Well ID:*** 6929528	0.0	21
	lot 25 con 4 ON ***Well ID:*** 6915049	0.0	22
	lot 21 con 4 ON ***Well ID:*** 6917614	0.0	24
	WARDEN AVE. Markham ON ***Well ID:*** 7208224	0.0	25
	lot 25 con 5 ON ***Well ID:*** 6919926	0.0	26
	lot 21 con 4 ON ***Well ID:*** 6903368	0.0	27
	lot 20 con 5 ON ***Well ID:*** 6911860	0.0	29

Site	Address	Distance (m)	Map Key
	lot 20 con 5 ON ***Well ID:*** 6911440	0.0	30
	lot 20 con 4 ON ***Well ID:*** 6919813	0.0	32
	3803 MAJOR MACKENZIE DR Markham ON ***Well ID:*** 7230120	0.0	33

Map: 0.001 Kilometer Radius

Order Number: 21101500438

Address: Warden Avenue ROW from Elgin Mills to Major Mackenzie, Markham, ON

- Project Property
- Buffer Outline
- Eris Sites with Higher Elevation
- Eris Sites with Same Elevation
- Eris Sites with Lower Elevation
- Eris Sites with Unknown Elevation
- Freeways; Highways
- Traffic Circle; Ramp
- Major Arterial; Minor Arterial
- Local Road
- Service Road; Traffic Circle; Ramp
- Rail
- Beach
- Airport
- Industrial Area
- Military Base
- Aircraft Roads
- Native Reservation
- Hospital
- Shopping & Sports Area
- University/College
- Cemetery; Golf Course
- Parkt (National)
- Park (City/County)

79°21'W

43°54'N

43°54'N

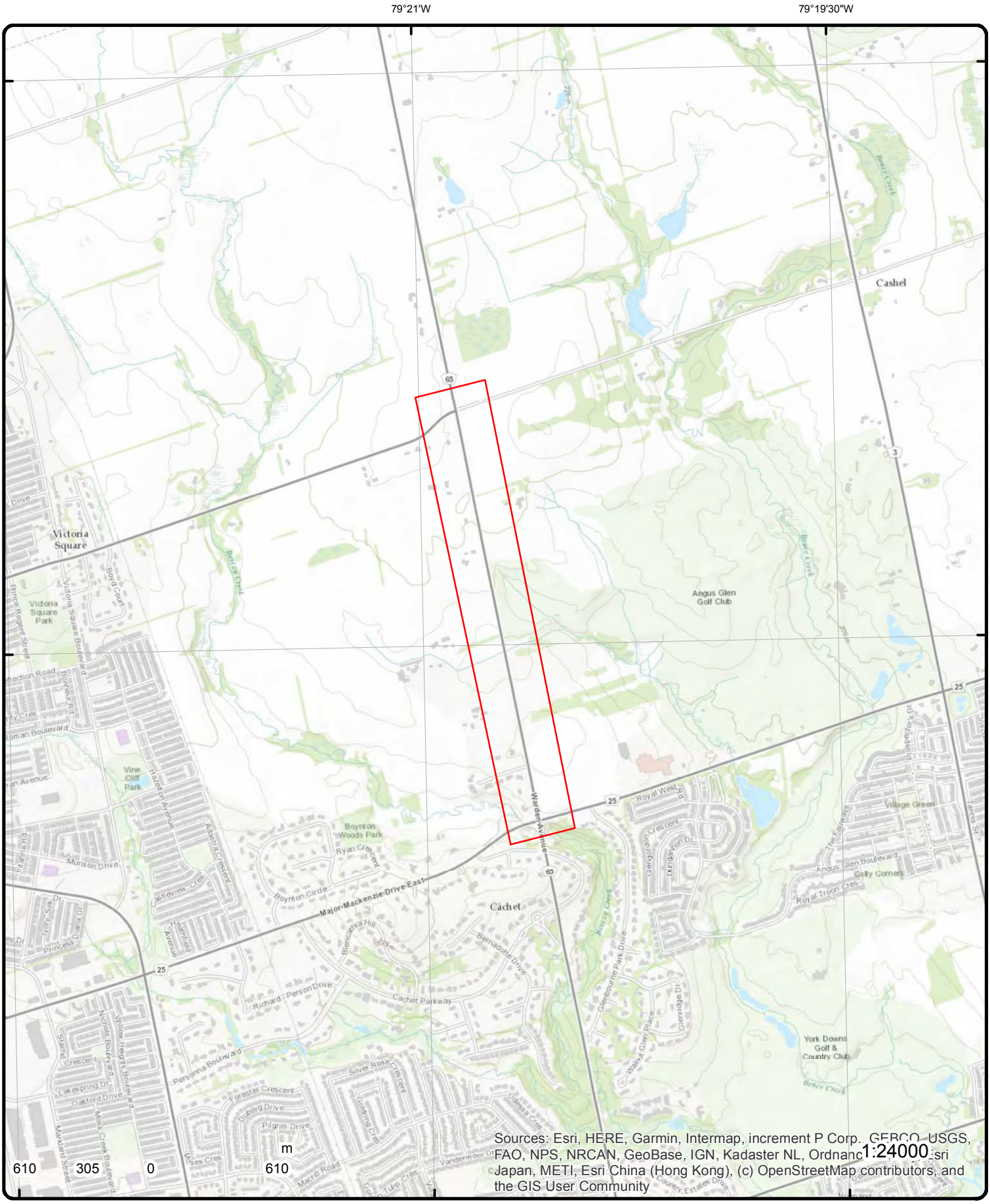
Aerial

Year: 2019

Order Number: 21101500438

Address: Warden Avenue ROW from Elgin Mills to Major Mackenzie, Markham,

Source: ESRI World Imagery



Topographic Map

Order Number: 21101500438

Address: Warden Avenue ROW from Elgin Mills to Major Mackenzie, ON

Source: ESRI World Topographic Map

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 1	SW/0.0	216.3 / -3.60	ELGIN MILLS RD. E/ WARDEN AVE MARKHAM ON	WWIS

Well ID: 7224880
Construction Date:
Primary Water Use: Monitoring
Sec. Water Use:
Final Well Status: Observation Wells
Water Type:
Casing Material:
Audit No: Z189519
Tag: A163655
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src:
Date Received: 7/31/2014
Selected Flag: TRUE
Abandonment Rec:
Contractor: 7472
Form Version: 7
Owner:
Street Name: ELGIN MILLS RD. E/ WARDEN AVE
County: YORK AND TORONTO

Municipality: MARKHAM TOWN (MARKHAM TWP)
Site Info:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map):

Additional Detail(s) (Map)

Well Completed Date: 2014/05/20
Year Completed: 2014
Depth (m): 20.1
Latitude: 43.9005322520269
Longitude: -79.3465610578696
Path:

Bore Hole Information

Bore Hole ID: 1005005074
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 20-May-2014 00:00:00
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 17
East83: 632785.00
North83: 4862154.00
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Overburden and Bedrock Materials Interval

Formation ID:	1005266983
Layer:	3
Color:	6
General Color:	BROWN
Mat1:	08
Most Common Material:	FINE SAND
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	79
Mat3 Desc:	PACKED
Formation Top Depth:	4.599999904632568
Formation End Depth:	9.199999809265137
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1005266984
Layer:	4
Color:	2
General Color:	GREY
Mat1:	06
Most Common Material:	SILT
Mat2:	08
Mat2 Desc:	FINE SAND
Mat3:	66
Mat3 Desc:	DENSE
Formation Top Depth:	9.199999809265137
Formation End Depth:	20.100000381469727
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1005266981
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	06
Mat2 Desc:	SILT
Mat3:	77
Mat3 Desc:	LOOSE
Formation Top Depth:	0.0
Formation End Depth:	1.5
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1005266982
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	06
Most Common Material:	SILT
Mat2:	08
Mat2 Desc:	FINE SAND

Mat3: 79
Mat3 Desc: PACKED
Formation Top Depth: 1.5
Formation End Depth: 4.599999904632568
Formation End Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1005266992
Layer: 2
Plug From: 16.799999237060547
Plug To: 20.100000381469727
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1005266991
Layer: 1
Plug From: 0.0
Plug To: 16.799999237060547
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1005266990
Method Construction Code: 6
Method Construction: Boring
Other Method Construction:

Pipe Information

Pipe ID: 1005266980
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1005266987
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 0.0
Depth To: 17.100000381469727
Casing Diameter: 5.199999809265137
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1005266988
Layer: 1
Slot: 10
Screen Top Depth: 17.100000381469727
Screen End Depth: 20.100000381469727
Screen Material: 5
Screen Depth UOM: m
Screen Diameter UOM: cm

Screen Diameter: 6.400000095367432

Water Details

Water ID: 1005266986
Layer:
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1005266985
Diameter: 21.0
Depth From: 0.0
Depth To: 20.100000381469727
Hole Depth UOM: m
Hole Diameter UOM: cm

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2 | **1 of 1** | **SW/0.0** | **216.0 / -3.84** | **Berczy Warden Holdings Inc.** | **ECA**

ON

Approval No: 7074-C7RJ63
Approval Date: 2021-10-15
Status: Issued
Record Type: PTTW
Link Source: IDS
SWP Area Name: Toronto
Approval Type: PTTW
Project Type: PTTW
Business Name: Berczy Warden Holdings Inc.
Address:
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/7221-C5MHH4-36.pdf
PDF Site Location: Lot 23, Concession 4, Geographic Township of Markham
Markham, Regional Municipality of York

MOE District: York-Durham
City:
Longitude: 43.90011196
Latitude: -79.34675947
Geometry X: -8832840.8602000009
Geometry Y: 5449997.2683999976

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3 | **1 of 1** | **SSE/0.0** | **212.4 / -7.50** | **WARDEN AVENUE NORTH OF MAJOR MACKENZIE lot 23 con 5 Markham ON** | **WWIS**

Well ID: 7129457
Construction Date:
Primary Water Use: Monitoring and Test Hole
Sec. Water Use: 0
Final Well Status: Observation Wells
Water Type:
Casing Material:
Audit No: Z096744
Tag: A079818
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:

Data Entry Status:
Data Src:
Date Received: 9/10/2009
Selected Flag: TRUE
Abandonment Rec:
Contractor: 6809
Form Version: 7
Owner:
Street Name: WARDEN AVENUE NORTH OF MAJOR MACKENZIE
County: YORK AND TORONTO
Municipality: MARKHAM TOWN (MARKHAM TWP)
Site Info:
Lot: 023
Concession: 05
Concession Name: CON
Easting NAD83:

Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/712\7129457.pdf

Additional Detail(s) (Map)

Well Completed Date:	2009/06/30
Year Completed:	2009
Depth (m):	9.144
Latitude:	43.8997499449648
Longitude:	-79.3447647651631
Path:	712\7129457.pdf

Bore Hole Information

Bore Hole ID:	1002718396	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	632931.00
Code OB Desc:		**North83:**	4862070.00
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	3
Date Completed:	30-Jun-2009 00:00:00	**UTMRC Desc:**	margin of error : 10 - 30 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1002843699
Layer:	1
Color:	8
General Color:	BLACK
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	1.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1003429414
Layer:	4
Color:	2
General Color:	GREY
Mat1:	06
Most Common Material:	SILT
Mat2:	28
Mat2 Desc:	SAND

Mat3:	13
Mat3 Desc:	BOULDERS
Formation Top Depth:	12.0
Formation End Depth:	30.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1003429412
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	06
Mat2 Desc:	SILT
Mat3:	
Mat3 Desc:	
Formation Top Depth:	1.0
Formation End Depth:	10.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1003429413
Layer:	3
Color:	2
General Color:	GREY
Mat1:	28
Most Common Material:	SAND
Mat2:	
Mat2 Desc:	
Mat3:	91
Mat3 Desc:	WATER-BEARING
Formation Top Depth:	10.0
Formation End Depth:	12.0
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1003429415
Layer:	2
Plug From:	23.0
Plug To:	30.0
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1002843701
Layer:	1
Plug From:	0.0
Plug To:	23.0
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	1002843705

Method Construction Code:	B
Method Construction:	Other Method
Other Method Construction:	AUGER

Pipe Information

Pipe ID:	1002843698
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1002843703
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0.0
Depth To:	25.0
Casing Diameter:	2.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1002843704
Layer:	1
Slot:	.01
Screen Top Depth:	25.0
Screen End Depth:	30.0
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	2.0

Water Details

Water ID:	1002843702
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	1002843700
Diameter:	8.0
Depth From:	0.0
Depth To:	30.0
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

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4 | ***1 of 1*** | ***N/0.0*** | ***220.8 / 0.92*** | ***WARDEN lot 21 con 5 MARKHAM ON*** | ***WWIS***

Well ID:	7206236	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:	Not Used	**Date Received:**	8/15/2013
Sec. Water Use:		**Selected Flag:**	TRUE
Final Well Status:	Abandoned-Other	**Abandonment Rec:**	Yes

Water Type:		**Contractor:**	5459
Casing Material:		**Form Version:**	7
Audit No:	Z168259	**Owner:**	
Tag:		**Street Name:**	WARDEN
Construction Method:		**County:**	YORK AND TORONTO
Elevation (m):		**Municipality:**	MARKHAM TOWN (MARKHAM TWP)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	021
Well Depth:		**Concession:**	05
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/720\7206236.pdf

Additional Detail(s) (Map)

Well Completed Date:	2013/07/18
Year Completed:	2013
Depth (m):	
Latitude:	43.9038191912718
Longitude:	-79.3459844115529
Path:	720\7206236.pdf

Bore Hole Information

Bore Hole ID:	1004511630	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	632824.00
Code OB Desc:		**North83:**	4862520.00
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	18-Jul-2013 00:00:00	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Annular Space/Abandonment Sealing Record

Plug ID:	1004985371
Layer:	1
Plug From:	5.0
Plug To:	0.0
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1004985372
Layer:	2
Plug From:	10.0
Plug To:	5.0

Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1004985373
Layer: 3
Plug From: 16.0
Plug To: 10.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 1004985370
Method Construction Code:
Method Construction:
Other Method Construction:

Pipe Information

Pipe ID: 1004985363
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1004985367
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From:
Depth To:
Casing Diameter: 2.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1004985368
Layer:
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter:

Water Details

Water ID: 1004985366
Layer:
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: ft

Hole Diameter

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB

Hole ID: 1004985365
Diameter: 2.0
Depth From: 16.0
Depth To: 0.0
Hole Depth UOM: ft
Hole Diameter UOM: inch

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5 | **1 of 1** | **SSW/0.0** | **214.8 / -5.11** | **Berczy Warden Holdings Inc.** | **ECA**

ON

Approval No: 7074-C7RJ63
Approval Date: 2021-10-15
Status: Issued
Record Type: PTTW
Link Source: IDS
SWP Area Name: Toronto
Approval Type: PTTW
Project Type: PTTW
Business Name: Berczy Warden Holdings Inc.
Address:
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/7221-C5MHH4-36.pdf
PDF Site Location: Lot 23, Concession 4, Geographic Township of Markham
Markham, Regional Municipality of York

MOE District: York-Durham
City:
Longitude: 43.89877457
Latitude: -79.34642294
Geometry X: -8832803.3979000002
Geometry Y: 5449790.6538999956

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6 | **1 of 1** | **NNW/0.0** | **223.9 / 3.99** | **lot 24 con 4** | **WWIS**

ON

Well ID: 6922583
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 143793
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 5/27/1994
Selected Flag: TRUE
Abandonment Rec:
Contractor: 3108
Form Version: 1
Owner:
Street Name:
County: YORK AND TORONTO
Municipality: MARKHAM TOWN (MARKHAM TWP)
Site Info:
Lot: 024
Concession: 04
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/692\6922583.pdf

Additional Detail(s) (Map)

Well Completed Date: 1994/05/13
Year Completed: 1994
Depth (m): 70.104
Latitude: 43.9043986216925
Longitude: -79.3474502317198
Path: 692\6922583.pdf

Bore Hole Information

Bore Hole ID:	10512886	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:		***East83:***	632705.00
Code OB Desc:		***North83:***	4862582.00
Open Hole:		***Org CS:***	N83
Cluster Kind:		***UTMRC:***	4
Date Completed:	13-May-1994 00:00:00	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	

Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID:	932815192
Layer:	4
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	22.0
Formation End Depth:	179.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932815189
Layer:	1
Color:	
General Color:	
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	3.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932815193
Layer:	5
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY

Mat2: 28
Mat2 Desc: SAND
Mat3:
Mat3 Desc:
Formation Top Depth: 179.0
Formation End Depth: 215.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932815194
Layer: 6
Color: 3
General Color: BLUE
Mat1: 28
Most Common Material: SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 215.0
Formation End Depth: 230.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932815191
Layer: 3
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 11
Mat2 Desc: GRAVEL
Mat3:
Mat3 Desc:
Formation Top Depth: 19.0
Formation End Depth: 22.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932815190
Layer: 2
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 28
Mat2 Desc: SAND
Mat3:
Mat3 Desc:
Formation Top Depth: 3.0
Formation End Depth: 19.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933215234
Layer: 1
Plug From: 0.0
Plug To: 20.0
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933215235
Layer: 2
Plug From: 20.0
Plug To: 219.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 966922583
Method Construction Code: 2
Method Construction: Rotary (Convent.)
Other Method Construction:

Pipe Information

Pipe ID: 11061456
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930827147
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 219.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 933398592
Layer: 1
Slot: 008
Screen Top Depth: 221.0
Screen End Depth: 228.0
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 6.0

Results of Well Yield Testing

Pump Test ID: 996922583
Pump Set At:
Static Level: 43.0
Final Level After Pumping: 150.0
Recommended Pump Depth: 150.0

Pumping Rate:	45.0
Flowing Rate:	
Recommended Pump Rate:	10.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934635158
Test Type:	Recovery
Test Duration:	30
Test Level:	47.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934884201
Test Type:	Recovery
Test Duration:	45
Test Level:	43.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	935149008
Test Type:	Recovery
Test Duration:	60
Test Level:	43.0
Test Level UOM:	ft

Water Details

Water ID:	934005301
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	215.0
Water Found Depth UOM:	ft

7 | ***1 of 1*** | ***NNW/0.0*** | ***223.8 / 3.97*** | ***ELGIN MILLS RD. E / WARDEN AVE MARKHAM ON*** | ***WWIS***

Well ID:	7224878	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:	Monitoring	**Date Received:**	7/31/2014
Sec. Water Use:		**Selected Flag:**	TRUE
Final Well Status:	Observation Wells	**Abandonment Rec:**	
Water Type:		**Contractor:**	7472
Casing Material:		**Form Version:**	7
Audit No:	Z189521	**Owner:**	
Tag:	A163651	**Street Name:**	ELGIN MILLS RD. E / WARDEN AVE
Construction Method:		**County:**	YORK AND TORONTO
Elevation (m):		**Municipality:**	MARKHAM TOWN (MARKHAM TWP)
Elevation Reliability:		**Site Info:**	

Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map):

Additional Detail(s) (Map)

Well Completed Date:	2014/05/20
Year Completed:	2014
Depth (m):	10.6
Latitude:	43.9048144180442
Longitude:	-79.3475632537038
Path:	

Bore Hole Information

Bore Hole ID:	1005005038	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	632695.00
Code OB Desc:		**North83:**	4862628.00
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	20-May-2014 00:00:00	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1005266327
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	06
Mat2 Desc:	SILT
Mat3:	77
Mat3 Desc:	LOOSE
Formation Top Depth:	0.0
Formation End Depth:	1.5
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1005266329
Layer:	3
Color:	6
General Color:	BROWN

Mat1: 08
Most Common Material: FINE SAND
Mat2: 11
Mat2 Desc: GRAVEL
Mat3: 79
Mat3 Desc: PACKED
Formation Top Depth: 4.599999904632568
Formation End Depth: 10.600000381469727
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1005266328
Layer: 2
Color: 6
General Color: BROWN
Mat1: 06
Most Common Material: SILT
Mat2: 08
Mat2 Desc: FINE SAND
Mat3: 79
Mat3 Desc: PACKED
Formation Top Depth: 1.5
Formation End Depth: 4.599999904632568
Formation End Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1005266337
Layer: 2
Plug From: 6.699999809265137
Plug To: 10.0
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1005266336
Layer: 1
Plug From: 0.0
Plug To: 6.699999809265137
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1005266335
Method Construction Code: 6
Method Construction: Boring
Other Method Construction:

Pipe Information

Pipe ID: 1005266326
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1005266332
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 0.0
Depth To: 7.0
Casing Diameter: 5.199999809265137
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1005266333
Layer: 1
Slot: 10
Screen Top Depth: 7.0
Screen End Depth: 10.0
Screen Material: 5
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter: 6.400000095367432

Water Details

Water ID: 1005266331
Layer:
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1005266330
Diameter: 21.0
Depth From: 0.0
Depth To: 10.0
Hole Depth UOM: m
Hole Diameter UOM: cm

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8 | ***1 of 1*** | ***NNW/0.0*** | ***223.8 / 3.94*** | ***lot 24 con 5 ON*** | ***WWIS***

Well ID: 6919168
Construction Date:
Primary Water Use: Livestock
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 09826
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:

Data Entry Status:
Data Src: 1
Date Received: 12/23/1987
Selected Flag: TRUE
Abandonment Rec:
Contractor: 5459
Form Version: 1
Owner:
Street Name:
County: YORK AND TORONTO
Municipality: MARKHAM TOWN (MARKHAM TWP)
Site Info:
Lot: 024
Concession: 05
Concession Name: CON
Easting NAD83:
Northing NAD83:

Flowing (Y/N): ***Zone:***
Flow Rate: ***UTM Reliability:***
Clear/Cloudy:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/691\6919168.pdf

Additional Detail(s) (Map)

Well Completed Date: 1987/07/20
Year Completed: 1987
Depth (m): 54.864
Latitude: 43.9052399243479
Longitude: -79.3464805353908
Path: 691\6919168.pdf

Bore Hole Information

Bore Hole ID:	10509492	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:		***East83:***	632781.00
Code OB Desc:		***North83:***	4862677.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	3
Date Completed:	20-Jul-1987 00:00:00	***UTMRC Desc:***	margin of error : 10 - 30 m
Remarks:		***Location Method:***	gps

Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 932794841
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 81
Mat2 Desc: SANDY
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 7.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932794842
Layer: 2
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 18
Mat2 Desc: SANDSTONE
Mat3:

Mat3 Desc:
Formation Top Depth: 7.0
Formation End Depth: 28.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932794844
Layer: 4
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 18
Mat2 Desc: SANDSTONE
Mat3:
Mat3 Desc:
Formation Top Depth: 132.0
Formation End Depth: 146.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932794845
Layer: 5
Color: 2
General Color: GREY
Mat1: 28
Most Common Material: SAND
Mat2: 62
Mat2 Desc: CLEAN
Mat3:
Mat3 Desc:
Formation Top Depth: 146.0
Formation End Depth: 180.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932794843
Layer: 3
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 06
Mat2 Desc: SILT
Mat3:
Mat3 Desc:
Formation Top Depth: 28.0
Formation End Depth: 132.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 966919168
Method Construction Code: 2
Method Construction: Rotary (Convent.)

Other Method Construction:

Pipe Information

Pipe ID:	11058062
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930823182
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	154.0
Casing Diameter:	8.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	933396210
Layer:	1
Slot:	016
Screen Top Depth:	154.0
Screen End Depth:	179.0
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	8.0

Results of Well Yield Testing

Pump Test ID:	996919168
Pump Set At:	
Static Level:	
Final Level After Pumping:	154.0
Recommended Pump Depth:	300.0
Pumping Rate:	300.0
Flowing Rate:	
Recommended Pump Rate:	150.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	4
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934360041
Test Type:	Draw Down
Test Duration:	15
Test Level:	154.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID: 934626701
Test Type: Draw Down
Test Duration: 30
Test Level: 154.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 935149337
Test Type: Draw Down
Test Duration: 60
Test Level: 154.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934876480
Test Type: Draw Down
Test Duration: 45
Test Level: 154.0
Test Level UOM: ft

Water Details

Water ID: 934002119
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 154.0
Water Found Depth UOM: ft

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9 | ***1 of 1*** | ***SSE/0.0*** | ***216.8 / -3.12*** | ***ANGUS GLEN 10231 WARDEN AVE. MARKHAM ON*** | ***WWIS***

Well ID: 7260026
Construction Date:
Primary Water Use: Monitoring
Sec. Water Use:
Final Well Status: 0
Water Type:
Casing Material:
Audit No: Z175910
Tag: A177537
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src:
Date Received: 3/30/2016
Selected Flag: TRUE
Abandonment Rec:
Contractor: 6809
Form Version: 7
Owner:
Street Name: ANGUS GLEN 10231 WARDEN AVE.
County: YORK AND TORONTO

Municipality: MARKHAM TOWN (MARKHAM TWP)
Site Info:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map):

Additional Detail(s) (Map)

Well Completed Date: 2015/05/26
Year Completed: 2015
Depth (m): 20.8788
Latitude: 43.8982061728084
Longitude: -79.3370378846942
Path:

Bore Hole Information

Bore Hole ID: 1005915292
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 26-May-2015 00:00:00
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 17
East83: 633555.00
North83: 4861911.00
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Overburden and Bedrock Materials Interval

Formation ID: 1006066655
Layer: 4
Color: 2
General Color: GREY
Mat1: 28
Most Common Material: SAND
Mat2:
Mat2 Desc:
Mat3: 91
Mat3 Desc: WATER-BEARING
Formation Top Depth: 35.0
Formation End Depth: 39.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1006066653
Layer: 2
Color: 8
General Color: BLACK
Mat1: 01
Most Common Material: FILL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 5.0
Formation End Depth: 10.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID:	1006066657
Layer:	6
Color:	2
General Color:	GREY
Mat1:	28
Most Common Material:	SAND
Mat2:	
Mat2 Desc:	
Mat3:	28
Mat3 Desc:	SAND
Formation Top Depth:	58.0
Formation End Depth:	68.5
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1006066654
Layer:	3
Color:	2
General Color:	GREY
Mat1:	34
Most Common Material:	TILL
Mat2:	13
Mat2 Desc:	BOULDERS
Mat3:	66
Mat3 Desc:	DENSE
Formation Top Depth:	10.0
Formation End Depth:	35.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1006066656
Layer:	5
Color:	2
General Color:	GREY
Mat1:	06
Most Common Material:	SILT
Mat2:	
Mat2 Desc:	
Mat3:	66
Mat3 Desc:	DENSE
Formation Top Depth:	39.0
Formation End Depth:	58.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1006066652
Layer:	1
Color:	8
General Color:	BLACK
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	5.0

Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1006066667
Layer: 2
Plug From: 68.33300018310547
Plug To: 55.66699981689453
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1006066668
Layer: 3
Plug From: 55.66699981689453
Plug To: 49.5
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1006066669
Layer: 4
Plug From: 49.5
Plug To: 0.0
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1006066666
Layer: 1
Plug From: 0.0
Plug To: 20.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 1006066665
Method Construction Code: 7
Method Construction: Diamond
Other Method Construction:

Pipe Information

Pipe ID: 1006066651
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1006066662
Layer: 2
Material: 5
Open Hole or Material: PLASTIC
Depth From: 0.0

Depth To:	58.33300018310547
Casing Diameter:	2.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	1006066661
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	0.0
Depth To:	20.0
Casing Diameter:	5.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1006066663
Layer:	1
Slot:	10
Screen Top Depth:	68.33300018310547
Screen End Depth:	58.33300018310547
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	2.0

Water Details

Water ID:	1006066660
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	1006066659
Diameter:	4.5
Depth From:	20.0
Depth To:	68.5
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

Hole Diameter

Hole ID:	1006066658
Diameter:	9.0
Depth From:	0.0
Depth To:	20.0
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
10	1 of 1	S/0.0	217.8 / -2.12	lot 22 con 4 ON	WWIS

Well ID:	6903369	**Data Entry Status:**	
Construction Date:		**Data Src:**	1

Primary Water Use:	Domestic	**Date Received:**	11/21/1961
Sec. Water Use:	0	**Selected Flag:**	TRUE
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	4813
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	YORK AND TORONTO
Elevation (m):		**Municipality:**	MARKHAM TOWN (MARKHAM TWP)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	022
Well Depth:		**Concession:**	04
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/690\6903369.pdf

Additional Detail(s) (Map)

Well Completed Date:	1961/11/09
Year Completed:	1961
Depth (m):	31.3944
Latitude:	43.8970865923219
Longitude:	-79.346124768388
Path:	690\6903369.pdf

Bore Hole Information

Bore Hole ID:	10494097	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	632827.70
Code OB Desc:		**North83:**	4861772.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	09-Nov-1961 00:00:00	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932719405
Layer:	3
Color:	
General Color:	
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	27.0

Formation End Depth: 72.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932719403
Layer: 1
Color: 8
General Color: BLACK
Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 3.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932719407
Layer: 5
Color:
General Color:
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 96.0
Formation End Depth: 103.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932719406
Layer: 4
Color:
General Color:
Mat1: 12
Most Common Material: STONES
Mat2: 09
Mat2 Desc: MEDIUM SAND
Mat3:
Mat3 Desc:
Formation Top Depth: 72.0
Formation End Depth: 96.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932719404
Layer: 2
Color: 6
General Color: BROWN
Mat1: 05

Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	3.0
Formation End Depth:	27.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	966903369
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	11042667
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930806336
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	103.0
Casing Diameter:	5.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	996903369
Pump Set At:	
Static Level:	10.0
Final Level After Pumping:	60.0
Recommended Pump Depth:	40.0
Pumping Rate:	6.0
Flowing Rate:	
Recommended Pump Rate:	4.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	1
Pumping Duration HR:	3
Pumping Duration MIN:	0
Flowing:	No

Water Details

Water ID:	933987014
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	72.0

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB

Water Found Depth UOM: ft

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11 | **1 of 1** | **SSE/0.0** | **218.9 / -0.99** | **10231 Warden Avenue Markham ON** | **EHS**

Order No:	21080900034	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Custom Report	**Client Prov/State:**	ON
Report Date:	12-AUG-21	**Search Radius (km):**	.25
Date Received:	09-AUG-21	**X:**	-79.34428142
Previous Site Name:		**Y:**	43.89718521
Lot/Building Size:			

Additional Info Ordered: Fire Insur. Maps and/or Site Plans; City Directory; Aerial Photos

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12 | **1 of 1** | **N/0.0** | **225.1 / 5.17** | **WARDEN AVE lot 24 con 5 Markham ON** | **WWIS**

Well ID:	7190781	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:		**Date Received:**	11/2/2012
Sec. Water Use:		**Selected Flag:**	TRUE
Final Well Status:	Abandoned-Other	**Abandonment Rec:**	Yes
Water Type:		**Contractor:**	5459
Casing Material:		**Form Version:**	7
Audit No:	Z159430	**Owner:**	
Tag:		**Street Name:**	WARDEN AVE
Construction Method:		**County:**	YORK AND TORONTO
Elevation (m):		**Municipality:**	MARKHAM TOWN (MARKHAM TWP)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	024
Well Depth:		**Concession:**	05
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/719\7190781.pdf

Additional Detail(s) (Map)

Well Completed Date:	2012/09/18
Year Completed:	2012
Depth (m):	
Latitude:	43.9060446621115
Longitude:	-79.3448518147495
Path:	719\7190781.pdf

Bore Hole Information

Bore Hole ID:	1004192499	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	632910.00
Code OB Desc:		**North83:**	4862769.00
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	18-Sep-2012 00:00:00	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	gis

Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Annular Space/Abandonment Sealing Record

Plug ID: 1004475857
Layer: 4
Plug From: 4.0
Plug To: 3.0
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1004475854
Layer: 1
Plug From: 27.0
Plug To: 19.0
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1004475856
Layer: 3
Plug From: 17.0
Plug To: 4.0
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1004475858
Layer: 5
Plug From: 3.0
Plug To: 0.0
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1004475855
Layer: 2
Plug From: 19.0
Plug To: 17.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 1004475853
Method Construction Code:
Method Construction:
Other Method Construction:

Pipe Information

Pipe ID:	1004475847
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1004475851
Layer:	1
Material:	
Open Hole or Material:	
Depth From:	
Depth To:	
Casing Diameter:	48.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1004475852
Layer:	
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	

Water Details

Water ID:	1004475850
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	1004475849
Diameter:	
Depth From:	
Depth To:	
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

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13 | ***1 of 1*** | ***SSE/0.0*** | ***219.9 / -0.03*** | ***ON*** | ***WWIS***

Well ID:	7373834	***Data Entry Status:***	Yes
Construction Date:		***Data Src:***	
Primary Water Use:		***Date Received:***	12/1/2020
Sec. Water Use:		***Selected Flag:***	TRUE
Final Well Status:		***Abandonment Rec:***	
Water Type:		***Contractor:***	7215
Casing Material:		***Form Version:***	7
Audit No:	Z346429	***Owner:***	
Tag:	A295134	***Street Name:***	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB

Construction Method:		**County:**	YORK AND TORONTO
Elevation (m):		**Municipality:**	MARKHAM TOWN (MARKHAM TWP)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	1008514273	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	633092.00
Code OB Desc:		**North83:**	4861739.00
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	07-Jul-2020 00:00:00	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

14	*1 of 11*	*NNW/0.0*	*228.1 / 8.26*	***Brock & Sons Construction Ltd.*** ***10620 Warden Ave.*** ***Markham ON L6C 1N3***	***GEN***

Generator No:	ON5010852	**Status:**	
SIC Code:	238910	**Co Admin:**	
SIC Description:	Site Preparation Contractors	**Choice of Contact:**	
Approval Years:	2010	**Phone No Admin:**	
PO Box No:		**Contam. Facility:**	
Country:		**MHSW Facility:**	

Detail(s)

Waste Class:	252
Waste Class Desc:	WASTE OILS & LUBRICANTS

14	*2 of 11*	*NNW/0.0*	*228.1 / 8.26*	***Brock & Sons Construction Ltd.*** ***10620 Warden Ave.*** ***Markham ON L6C 1N3***	***GEN***

Generator No:	ON5010852	**Status:**	
SIC Code:	238910	**Co Admin:**	
SIC Description:	Site Preparation Contractors	**Choice of Contact:**	
Approval Years:	2011	**Phone No Admin:**	
PO Box No:		**Contam. Facility:**	
Country:		**MHSW Facility:**	

Detail(s)

Waste Class:	252

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB

Waste Class Desc: WASTE OILS & LUBRICANTS

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14 **3 of 11** **NNW/0.0** **228.1 / 8.26** **Brock & Sons Construction Ltd.** **GEN**
10620 Warden Ave.
Markham ON L6C 1N3

Generator No: ON5010852
SIC Code: 238910
SIC Description: Site Preparation Contractors
Approval Years: 2012
PO Box No:
Country:

Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contam. Facility:
MHSW Facility:

Detail(s)

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

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14 **4 of 11** **NNW/0.0** **228.1 / 8.26** **Brock & Sons Construction Ltd.** **GEN**
10620 Warden Ave.
Markham ON

Generator No: ON5010852
SIC Code: 238910
SIC Description: SITE PREPARATION CONTRACTORS
Approval Years: 2013
PO Box No:
Country:

Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contam. Facility:
MHSW Facility:

Detail(s)

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

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14 **5 of 11** **NNW/0.0** **228.1 / 8.26** **Brock & Sons Construction Ltd.** **GEN**
10620 Warden Ave.
Markham ON L6C 1N3

Generator No: ON5010852
SIC Code: 238910
SIC Description: SITE PREPARATION CONTRACTORS
Approval Years: 2015
PO Box No:
Country: Canada

Status:
Co Admin: Ruth E. Brock
Choice of Contact: CO_ADMIN
Phone No Admin: 905-887-1650 Ext.
Contam. Facility: No
MHSW Facility: No

Detail(s)

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

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14 **6 of 11** **NNW/0.0** **228.1 / 8.26** **Brock & Sons Construction Ltd.** **GEN**
10620 Warden Ave.
Markham ON L6C 1N3

Generator No: ON5010852
SIC Code: 238910
SIC Description: SITE PREPARATION CONTRACTORS
Approval Years: 2016
PO Box No:
Country: Canada

Status:
Co Admin: Ruth E. Brock
Choice of Contact: CO_ADMIN
Phone No Admin: 905-887-1650 Ext.
Contam. Facility: No
MHSW Facility: No

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB

Detail(s)

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

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14 ***7 of 11*** ***NNW/0.0*** ***228.1 / 8.26*** ***Brock & Sons Construction Ltd.*** ***GEN***
10620 Warden Ave.
Markham ON L6C 1N3

Generator No: ON5010852
SIC Code: 238910
SIC Description: SITE PREPARATION CONTRACTORS
Approval Years: 2014
PO Box No:
Country: Canada

Status:
Co Admin: Ruth E. Brock
Choice of Contact: CO_ADMIN
Phone No Admin: 905-887-1650 Ext.
Contam. Facility: No
MHSW Facility: No

Detail(s)

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

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14 ***8 of 11*** ***NNW/0.0*** ***228.1 / 8.26*** ***Brock & Sons Construction Ltd.*** ***GEN***
10620 Warden Ave.
Markham ON L6C 1N3

Generator No: ON5010852
SIC Code:
SIC Description:
Approval Years: As of Dec 2018
PO Box No:
Country: Canada

Status: Registered
Co Admin:
Choice of Contact:
Phone No Admin:
Contam. Facility:
MHSW Facility:

Detail(s)

Waste Class: 252 L
Waste Class Desc: Waste crankcase oils and lubricants

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14 ***9 of 11*** ***NNW/0.0*** ***228.1 / 8.26*** ***Brock & Sons Construction Ltd.*** ***GEN***
10620 Warden Ave.
Markham ON L6C 1N3

Generator No: ON5010852
SIC Code:
SIC Description:
Approval Years: As of Jul 2020
PO Box No:
Country: Canada

Status: Registered
Co Admin:
Choice of Contact:
Phone No Admin:
Contam. Facility:
MHSW Facility:

Detail(s)

Waste Class: 252 L
Waste Class Desc: Waste crankcase oils and lubricants

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14 ***10 of 11*** ***NNW/0.0*** ***228.1 / 8.26*** ***Brock & Sons Construction Ltd.*** ***GEN***
10620 Warden Ave.
Markham ON L6C 1N3

Generator No: ON5010852

Status: Registered

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB

SIC Code:		**Co Admin:**	
SIC Description:		**Choice of Contact:**	
Approval Years:	As of Nov 2021	**Phone No Admin:**	
PO Box No:		**Contam. Facility:**	
Country:	Canada	**MHSW Facility:**	

Detail(s)

Waste Class:	252 L
Waste Class Desc:	Waste crankcase oils and lubricants

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
14	11 of 11	NNW/0.0	228.1 / 8.26	**Brock & Sons Construction Ltd.** **10620 Warden Ave.** **Markham ON L6C 1N3**	GEN

Generator No:	ON5010852	**Status:**	Registered
SIC Code:		**Co Admin:**	
SIC Description:		**Choice of Contact:**	
Approval Years:	As of Feb 2022	**Phone No Admin:**	
PO Box No:		**Contam. Facility:**	
Country:	Canada	**MHSW Facility:**	

Detail(s)

Waste Class:	252 L
Waste Class Desc:	Waste crankcase oils and lubricants

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
15	1 of 1	NNW/0.0	227.9 / 8.02	**lot 23 con 4** **ON**	WWIS

Well ID:	6923540	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	4/12/1996
Sec. Water Use:		**Selected Flag:**	TRUE
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	1413
Casing Material:		**Form Version:**	1
Audit No:	166535	**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	YORK AND TORONTO
Elevation (m):		**Municipality:**	MARKHAM TOWN (MARKHAM TWP)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	023
Well Depth:		**Concession:**	04
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/692\6923540.pdf

Additional Detail(s) (Map)

Well Completed Date:	1996/02/22
Year Completed:	1996
Depth (m):	47.5488
Latitude:	43.9071567351978
Longitude:	-79.3482829937058

Path: 692\6923540.pdf

Bore Hole Information

Bore Hole ID:	10513842	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	632632.00
Code OB Desc:		**North83:**	4862887.00
Open Hole:		**Org CS:**	N83
Cluster Kind:		**UTMRC:**	4
Date Completed:	22-Feb-1996 00:00:00	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	

Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID:	932819896
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	85
Mat2 Desc:	SOFT
Mat3:	
Mat3 Desc:	
Formation Top Depth:	2.0
Formation End Depth:	10.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932819895
Layer:	1
Color:	8
General Color:	BLACK
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	85
Mat2 Desc:	SOFT
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	2.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932819897
Layer:	3
Color:	6
General Color:	BROWN
Mat1:	05

Most Common Material:	CLAY
Mat2:	12
Mat2 Desc:	STONES
Mat3:	73
Mat3 Desc:	HARD
Formation Top Depth:	10.0
Formation End Depth:	37.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932819899
Layer:	5
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	66
Mat2 Desc:	DENSE
Mat3:	
Mat3 Desc:	
Formation Top Depth:	117.0
Formation End Depth:	146.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932819900
Layer:	6
Color:	2
General Color:	GREY
Mat1:	28
Most Common Material:	SAND
Mat2:	12
Mat2 Desc:	STONES
Mat3:	62
Mat3 Desc:	CLEAN
Formation Top Depth:	146.0
Formation End Depth:	156.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932819898
Layer:	4
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Mat2 Desc:	STONES
Mat3:	73
Mat3 Desc:	HARD
Formation Top Depth:	37.0
Formation End Depth:	117.0
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID: 933216679
Layer: 2
Plug From: 147.0
Plug To: 149.0
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933216678
Layer: 1
Plug From: 10.0
Plug To: 147.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 966923540
Method Construction Code: 4
Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID: 11062412
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930828152
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 149.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 933399252
Layer: 1
Slot: 014
Screen Top Depth: 149.0
Screen End Depth: 156.0
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 6.0

Results of Well Yield Testing

Pump Test ID: 996923540
Pump Set At:
Static Level: 12.0
Final Level After Pumping: 140.0

Recommended Pump Depth:	49.0
Pumping Rate:	50.0
Flowing Rate:	
Recommended Pump Rate:	10.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934362419
Test Type:	Draw Down
Test Duration:	15
Test Level:	140.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934637371
Test Type:	Draw Down
Test Duration:	30
Test Level:	140.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	935150507
Test Type:	Draw Down
Test Duration:	60
Test Level:	140.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934877625
Test Type:	Draw Down
Test Duration:	45
Test Level:	140.0
Test Level UOM:	ft

Water Details

Water ID:	934006046
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	156.0
Water Found Depth UOM:	ft

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
16	1 of 1	NNW/0.0	227.9 / 8.00	ELGIN MILLS RD. E / WARDEN AVE. MARKHAM ON	WWIS

Well ID:	7224871	***Data Entry Status:***	
Construction Date:		***Data Src:***	
Primary Water Use:	Monitoring	***Date Received:***	7/31/2014
Sec. Water Use:		***Selected Flag:***	TRUE

Final Well Status:	Observation Wells	**Abandonment Rec:**	
Water Type:		**Contractor:**	7472
Casing Material:		**Form Version:**	7
Audit No:	Z189533	**Owner:**	
Tag:	A163625	**Street Name:**	ELGIN MILLS RD. E / WARDEN AVE.
Construction Method:		**County:**	YORK AND TORONTO
Elevation (m):		**Municipality:**	MARKHAM TOWN (MARKHAM TWP)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map):

Additional Detail(s) (Map)

Well Completed Date:	2014/05/20
Year Completed:	2014
Depth (m):	10.1
Latitude:	43.9072812940671
Longitude:	-79.3481799222736
Path:	

Bore Hole Information

Bore Hole ID:	1005004907	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	632640.00
Code OB Desc:		**North83:**	4862901.00
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	20-May-2014 00:00:00	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1005266242
Layer:	3
Color:	6
General Color:	BROWN
Mat1:	08
Most Common Material:	FINE SAND
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	79
Mat3 Desc:	PACKED
Formation Top Depth:	4.599999904632568
Formation End Depth:	10.100000381469727
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1005266241
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	06
Most Common Material:	SILT
Mat2:	08
Mat2 Desc:	FINE SAND
Mat3:	79
Mat3 Desc:	PACKED
Formation Top Depth:	1.5
Formation End Depth:	4.599999904632568
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1005266240
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	06
Mat2 Desc:	SILT
Mat3:	77
Mat3 Desc:	LOOSE
Formation Top Depth:	0.0
Formation End Depth:	1.5
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1005266249
Layer:	1
Plug From:	0.0
Plug To:	6.800000190734863
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1005266250
Layer:	2
Plug From:	6.800000190734863
Plug To:	10.100000381469727
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1005266248
Method Construction Code:	6
Method Construction:	Boring
Other Method Construction:	

Pipe Information

Pipe ID:	1005266239
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1005266245
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0.0
Depth To:	7.099999904632568
Casing Diameter:	5.199999809265137
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1005266246
Layer:	1
Slot:	10
Screen Top Depth:	7.099999904632568
Screen End Depth:	10.100000381469727
Screen Material:	5
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	6.400000095367432

Water Details

Water ID:	1005266244
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	m

Hole Diameter

Hole ID:	1005266243
Diameter:	21.0
Depth From:	0.0
Depth To:	10.100000381469727
Hole Depth UOM:	m
Hole Diameter UOM:	cm

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17 ***1 of 1*** ***SSE/0.0*** ***219.9 / -0.03*** ***lot 21 con 4 ON*** ***WWIS***

Well ID:	6923597	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	6/12/1996
Sec. Water Use:		***Selected Flag:***	TRUE
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	3108
Casing Material:		***Form Version:***	1
Audit No:	156509	***Owner:***	
Tag:		***Street Name:***	

Construction Method:		**County:**	YORK AND TORONTO
Elevation (m):		**Municipality:**	MARKHAM TOWN (MARKHAM TWP)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	021
Well Depth:		**Concession:**	04
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/692\6923597.pdf

Additional Detail(s) (Map)

Well Completed Date:	1996/05/28
Year Completed:	1996
Depth (m):	60.0456
Latitude:	43.8953865955738
Longitude:	-79.3443751835301
Path:	692\6923597.pdf

Bore Hole Information

Bore Hole ID:	10513899	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	632972.00
Code OB Desc:		**North83:**	4861586.00
Open Hole:		**Org CS:**	N83
Cluster Kind:		**UTMRC:**	4
Date Completed:	28-May-1996 00:00:00	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932820222
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	25.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID: 932820228
Layer: 7
Color:
General Color:
Mat1: 08
Most Common Material: FINE SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 188.0
Formation End Depth: 197.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932820224
Layer: 3
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2: 73
Mat2 Desc: HARD
Mat3:
Mat3 Desc:
Formation Top Depth: 79.0
Formation End Depth: 115.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932820227
Layer: 6
Color: 4
General Color: GREEN
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 163.0
Formation End Depth: 188.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932820226
Layer: 5
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2: 73
Mat2 Desc: HARD
Mat3:
Mat3 Desc:
Formation Top Depth: 118.0
Formation End Depth: 163.0

Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932820223
Layer: 2
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2: 11
Mat2 Desc: GRAVEL
Mat3:
Mat3 Desc:
Formation Top Depth: 25.0
Formation End Depth: 79.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932820225
Layer: 4
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2: 85
Mat2 Desc: SOFT
Mat3:
Mat3 Desc:
Formation Top Depth: 115.0
Formation End Depth: 118.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933216755
Layer: 2
Plug From: 18.0
Plug To: 188.0
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933216754
Layer: 1
Plug From: 0.0
Plug To: 18.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 966923597
Method Construction Code: 2
Method Construction: Rotary (Convent.)
Other Method Construction:

Pipe Information

Pipe ID:	11062469
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930828225
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	188.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930828226
Layer:	2
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	191.0
Casing Diameter:	5.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	933399296
Layer:	1
Slot:	006
Screen Top Depth:	191.0
Screen End Depth:	197.0
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	6.0

Results of Well Yield Testing

Pump Test ID:	996923597
Pump Set At:	
Static Level:	35.0
Final Level After Pumping:	195.0
Recommended Pump Depth:	193.0
Pumping Rate:	12.0
Flowing Rate:	
Recommended Pump Rate:	10.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	4
Pumping Duration MIN:	0
Flowing:	No

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB

Draw Down & Recovery

Pump Test Detail ID: 934362465
Test Type: Recovery
Test Duration: 15
Test Level: 92.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934877666
Test Type: Recovery
Test Duration: 45
Test Level: 43.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 935150548
Test Type: Recovery
Test Duration: 60
Test Level: 40.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934637412
Test Type: Recovery
Test Duration: 30
Test Level: 51.0
Test Level UOM: ft

Water Details

Water ID: 934006106
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 188.0
Water Found Depth UOM: ft

18	*1 of 3*	*S/0.0*	*219.9 / -0.03*	***COMMERCIAL BURNER MAINTENANCE LTD*** ***10148 WARDEN AV*** ***MARKHAM ON L6C 1N3***	***PRT***

Location ID: 25078
Type: retail
Expiry Date: 1994-05-31
Capacity (L): 1885
Licence #: 0076390236

18	*2 of 3*	*S/0.0*	*219.9 / -0.03*	***COMMERCIAL BURNER SERVICE A DIVISION OF COMMERCIAL BURNER MAINTENANCE LIMITED*** ***10148 WARDEN AVE*** ***MARKHAM ON***	***DTNK***

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB

Delisted Expired Fuel Safety Facilities

Instance No:	9993905	***Expired Date:***	
Status:	EXPIRED	***Max Hazard Rank:***	
Instance ID:	399424	***Facility Location:***	
Instance Type:	FS Facility	***Facility Type:***	
Instance Creation Dt:		***Fuel Type 2:***	
Instance Install Dt:		***Fuel Type 3:***	
Item Description:		***Panam Related:***	
Manufacturer:		***Panam Venue Nm:***	
Model:		***External Identifier:***	
Serial No:		***Item:***	
ULC Standard:		***Piping Steel:***	
Quantity:		***Piping Galvanized:***	
Unit of Measure:		***Tank Single Wall St:***	
Overfill Prot Type:		***Piping Underground:***	
Creation Date:		***Tank Underground:***	
Next Periodic Str DT:		***Source:***	
TSSA Base Sched Cycle 2:			
TSSAMax Hazard Rank 1:			
TSSA Risk Based Periodic Yn:			
TSSA Volume of Directives:			
TSSA Periodic Exempt:			
TSSA Statutory Interval:			
TSSA Recd Insp Interva:			
TSSA Recd Tolerance:			
TSSA Program Area:			
TSSA Program Area 2:			
Description:	FS Propane Refill Cntr - Cylr Fill		
Original Source:	EXP		
Record Date:	Up to Mar 2012		

18	*3 of 3*	*S/0.0*	*219.9 / -0.03*	***COMMERCIAL BURNER SERVICE A DIVISION OF COMMERCIAL BURNER MAINTENANCE LIMITED*** ***10148 WARDEN AVE*** ***MARKHAM ON***	*DTNK*

Delisted Expired Fuel Safety Facilities

Instance No:	11144912	***Expired Date:***	
Status:	EXPIRED	***Max Hazard Rank:***	
Instance ID:	71707	***Facility Location:***	
Instance Type:	FS Propane Tank	***Facility Type:***	
Instance Creation Dt:		***Fuel Type 2:***	
Instance Install Dt:		***Fuel Type 3:***	
Item Description:		***Panam Related:***	
Manufacturer:		***Panam Venue Nm:***	
Model:		***External Identifier:***	
Serial No:		***Item:***	
ULC Standard:		***Piping Steel:***	
Quantity:		***Piping Galvanized:***	
Unit of Measure:		***Tank Single Wall St:***	
Overfill Prot Type:		***Piping Underground:***	
Creation Date:		***Tank Underground:***	
Next Periodic Str DT:		***Source:***	
TSSA Base Sched Cycle 2:			
TSSAMax Hazard Rank 1:			
TSSA Risk Based Periodic Yn:			
TSSA Volume of Directives:			
TSSA Periodic Exempt:			

TSSA Statutory Interval:
TSSA Recd Insp Interva:
TSSA Recd Tolerance:
TSSA Program Area:
TSSA Program Area 2:
Description: FS Propane Tank
Original Source: EXP
Record Date: Up to Mar 2012

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19 | 1 of 1 | NNW/0.0 | 227.8 / 7.97 | ON | WWIS

Well ID: 7260112
Construction Date:
Primary Water Use:
Sec. Water Use:
Final Well Status:
Water Type:
Casing Material:
Audit No: C29950
Tag: A177532
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status: Yes
Data Src:
Date Received: 3/30/2016
Selected Flag: TRUE
Abandonment Rec:
Contractor: 6809
Form Version: 8
Owner:
Street Name:
County: YORK AND TORONTO

Municipality: MARKHAM TOWN (MARKHAM TWP)
Site Info:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map):

Additional Detail(s) (Map)

Well Completed Date: 2015/03/02
Year Completed: 2015
Depth (m):
Latitude: 43.9077584633202
Longitude: -79.3469338392079
Path:

Bore Hole Information

Bore Hole ID: 1005916121
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 02-Mar-2015 00:00:00
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 17
East83: 632739.00
North83: 4862956.00
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
20	1 of 1	S/0.0	219.9 / -0.03	lot 21 con 4 ON	WWIS

Well ID:	6924955	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	8/16/1999
Sec. Water Use:		**Selected Flag:**	TRUE
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	3108
Casing Material:		**Form Version:**	1
Audit No:	188976	**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	YORK AND TORONTO
Elevation (m):		**Municipality:**	MARKHAM TOWN (MARKHAM TWP)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	021
Well Depth:		**Concession:**	04
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/692\6924955.pdf

Additional Detail(s) (Map)

Well Completed Date:	1999/07/10
Year Completed:	1999
Depth (m):	35.9664
Latitude:	43.8944871455871
Longitude:	-79.3444374618022
Path:	692\6924955.pdf

Bore Hole Information

Bore Hole ID:	10515233	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	632969.00
Code OB Desc:		**North83:**	4861486.00
Open Hole:		**Org CS:**	N83
Cluster Kind:		**UTMRC:**	4
Date Completed:	10-Jul-1999 00:00:00	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932826056
Layer:	4
Color:	3
General Color:	BLUE
Mat1:	05

Most Common Material: CLAY
Mat2: 28
Mat2 Desc: SAND
Mat3:
Mat3 Desc:
Formation Top Depth: 96.0
Formation End Depth: 102.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932826057
Layer: 5
Color: 3
General Color: BLUE
Mat1: 28
Most Common Material: SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 102.0
Formation End Depth: 118.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932826054
Layer: 2
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2: 11
Mat2 Desc: GRAVEL
Mat3: 12
Mat3 Desc: STONES
Formation Top Depth: 18.0
Formation End Depth: 55.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932826055
Layer: 3
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2: 11
Mat2 Desc: GRAVEL
Mat3:
Mat3 Desc:
Formation Top Depth: 55.0
Formation End Depth: 96.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID:	932826053
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Mat2 Desc:	STONES
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	18.0
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933218306
Layer:	1
Plug From:	0.0
Plug To:	15.0
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933218307
Layer:	2
Plug From:	15.0
Plug To:	105.0
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	966924955
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	

Pipe Information

Pipe ID:	11063803
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930829598
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	105.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930829599
Layer:	2
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	108.0
Casing Diameter:	5.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	933400041
Layer:	1
Slot:	008
Screen Top Depth:	108.0
Screen End Depth:	117.0
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	6.0

Results of Well Yield Testing

Pump Test ID:	996924955
Pump Set At:	
Static Level:	44.0
Final Level After Pumping:	108.0
Recommended Pump Depth:	110.0
Pumping Rate:	30.0
Flowing Rate:	
Recommended Pump Rate:	20.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	30
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934365242
Test Type:	Recovery
Test Duration:	15
Test Level:	46.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	935151894
Test Type:	Recovery
Test Duration:	60
Test Level:	44.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934630767
Test Type:	Recovery

Test Duration: 30
Test Level: 44.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934888501
Test Type: Recovery
Test Duration: 45
Test Level: 44.0
Test Level UOM: ft

Water Details

Water ID: 934007131
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 108.0
Water Found Depth UOM: ft

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21 | ***1 of 1*** | ***S/0.0*** | ***218.9 / -1.00*** | ***HERITAGE HILL lot 3 con 4 RICHMOND HILL ON*** | ***WWIS***

Well ID: 6929528
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: Z36748
Tag: A023460
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src:
Date Received: 11/1/2005
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1663
Form Version: 3
Owner:
Street Name: HERITAGE HILL
County: YORK AND TORONTO
Municipality: MARKHAM TOWN (MARKHAM TWP)
Site Info: LOT 3
Lot: 003
Concession: 04
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/692\6929528.pdf

Additional Detail(s) (Map)

Well Completed Date: 2005/09/30
Year Completed: 2005
Depth (m): 12.07008
Latitude: 43.8943807697679
Longitude: -79.3445524648676
Path: 692\6929528.pdf

Bore Hole Information

Bore Hole ID: 11328497
DP2BR:
Elevation:
Elevrc:

Spatial Status:		***Zone:***	17
Code OB:		***East83:***	632960.00
Code OB Desc:		***North83:***	4861474.00
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	30-Sep-2005 00:00:00	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	wwr

Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID:	933039446
Layer:	3
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	12
Mat3 Desc:	STONES
Formation Top Depth:	2.430000066757202
Formation End Depth:	25.299999237060547
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	933039449
Layer:	6
Color:	2
General Color:	GREY
Mat1:	08
Most Common Material:	FINE SAND
Mat2:	06
Mat2 Desc:	SILT
Mat3:	
Mat3 Desc:	
Formation Top Depth:	31.399999618530273
Formation End Depth:	37.5
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	933039445
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	12
Mat3 Desc:	STONES
Formation Top Depth:	1.2100000381469727
Formation End Depth:	2.430000066757202

Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 933039447
Layer: 4
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 25.299999237060547
Formation End Depth: 29.8700008392334
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 933039450
Layer: 7
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 37.5
Formation End Depth: 39.599998474121094
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 933039448
Layer: 5
Color: 2
General Color: GREY
Mat1: 09
Most Common Material: MEDIUM SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 29.8700008392334
Formation End Depth: 31.399999618530273
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 933039444
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY

Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 1.2100000381469727
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933280173
Layer: 1
Plug From: 0.0
Plug To: 6.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 966929528
Method Construction Code: 2
Method Construction: Rotary (Convent.)
Other Method Construction:

Pipe Information

Pipe ID: 11343352
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930873496
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From: 0.0
Depth To: 29.8700008392334
Casing Diameter: 6.25
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 933415326
Layer: 1
Slot: 12
Screen Top Depth: 29.8700008392334
Screen End Depth: 31.399999618530273
Screen Material: 1
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 5.5

Results of Well Yield Testing

Pump Test ID: 11353458
Pump Set At:
Static Level: 14.75

Final Level After Pumping: 21.899999618530273
Recommended Pump Depth: 25.0
Pumping Rate: 54.0
Flowing Rate:
Recommended Pump Rate: 60.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 20
Flowing:

Draw Down & Recovery

Pump Test Detail ID: 11483555
Test Type: Draw Down
Test Duration: 40
Test Level: 21.399999618530273
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 11483564
Test Type: Draw Down
Test Duration: 20
Test Level: 20.299999237060547
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 11483556
Test Type: Draw Down
Test Duration: 15
Test Level: 19.100000381469727
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 11483562
Test Type: Draw Down
Test Duration: 4
Test Level: 19.200000762939453
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 11483573
Test Type: Recovery
Test Duration: 5
Test Level: 16.899999618530273
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 11483574
Test Type: Draw Down
Test Duration: 5
Test Level: 19.299999237060547
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 11483559
Test Type: Draw Down
Test Duration: 3
Test Level: 18.899999618530273
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 11483572
Test Type: Recovery
Test Duration: 10
Test Level: 16.100000381469727
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 11483566
Test Type: Recovery
Test Duration: 1
Test Level: 19.399999618530273
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 11483567
Test Type: Recovery
Test Duration: 4
Test Level: 17.200000762939453
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 11483571
Test Type: Draw Down
Test Duration: 10
Test Level: 19.100000381469727
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 11483575
Test Type: Recovery
Test Duration: 20
Test Level: 15.600000381469727
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 11483558
Test Type: Draw Down
Test Duration: 1
Test Level: 18.5
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 11483560
Test Type: Recovery
Test Duration: 2
Test Level: 18.43000030517578
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 11483565
Test Type: Draw Down
Test Duration: 25
Test Level: 20.799999237060547
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 11483553
Test Type: Draw Down
Test Duration: 50
Test Level: 21.600000381469727
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 11483554
Test Type: Recovery
Test Duration: 40
Test Level: 15.399999618530273
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 11483557
Test Type: Recovery
Test Duration: 3
Test Level: 17.760000228881836
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 11483561
Test Type: Draw Down
Test Duration: 2
Test Level: 18.799999237060547
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 11483563
Test Type: Recovery
Test Duration: 15
Test Level: 16.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 11483568
Test Type: Draw Down
Test Duration: 60
Test Level: 21.700000762939453

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 11483569
Test Type: Draw Down
Test Duration: 30
Test Level: 21.100000381469727
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 11483570
Test Type: Recovery
Test Duration: 30
Test Level: 15.300000190734863
Test Level UOM: ft

Water Details

Water ID: 934066988
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 29.799999237060547
Water Found Depth UOM: ft

22	1 of 1	NNW/0.0	229.9 / 9.97	lot 25 con 4 ON	WWIS

Well ID: 6915049
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 6/25/1979
Selected Flag: TRUE
Abandonment Rec:
Contractor: 5459
Form Version: 1
Owner:
Street Name:
County: YORK AND TORONTO

Municipality: MARKHAM TOWN (MARKHAM TWP)
Site Info:
Lot: 025
Concession: 04
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map):

Additional Detail(s) (Map)

Well Completed Date: 1978/07/31
Year Completed: 1978
Depth (m): 50.292
Latitude: 43.9089238306135
Longitude: -79.3484495618137

Path:

Bore Hole Information

Bore Hole ID:	10505618	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	632614.70
Code OB Desc:		**North83:**	4863083.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	4
Date Completed:	31-Jul-1978 00:00:00	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	p4

Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID:	932773584
Layer:	4
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Mat2 Desc:	STONES
Mat3:	
Mat3 Desc:	
Formation Top Depth:	12.0
Formation End Depth:	23.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932773586
Layer:	6
Color:	2
General Color:	GREY
Mat1:	28
Most Common Material:	SAND
Mat2:	62
Mat2 Desc:	CLEAN
Mat3:	63
Mat3 Desc:	COARSE-GRAINED
Formation Top Depth:	156.0
Formation End Depth:	165.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932773583
Layer:	3
Color:	2
General Color:	GREY
Mat1:	12

Most Common Material:	STONES
Mat2:	28
Mat2 Desc:	SAND
Mat3:	
Mat3 Desc:	
Formation Top Depth:	6.0
Formation End Depth:	12.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932773581
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Mat2 Desc:	STONES
Mat3:	01
Mat3 Desc:	FILL
Formation Top Depth:	0.0
Formation End Depth:	3.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932773582
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Mat2 Desc:	STONES
Mat3:	
Mat3 Desc:	
Formation Top Depth:	3.0
Formation End Depth:	6.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932773585
Layer:	5
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Mat2 Desc:	STONES
Mat3:	
Mat3 Desc:	
Formation Top Depth:	23.0
Formation End Depth:	156.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID: 966915049
Method Construction Code: 2
Method Construction: Rotary (Convent.)
Other Method Construction:

Pipe Information

Pipe ID: 11054188
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930818726
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 158.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 933393581
Layer: 1
Slot: 018
Screen Top Depth: 158.0
Screen End Depth: 161.0
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 6.0

Results of Well Yield Testing

Pump Test ID: 996915049
Pump Set At:
Static Level: 26.0
Final Level After Pumping: 158.0
Recommended Pump Depth: 150.0
Pumping Rate: 40.0
Flowing Rate:
Recommended Pump Rate: 30.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934627109
Test Type: Draw Down
Test Duration: 30
Test Level: 158.0

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 935141302
Test Type: Draw Down
Test Duration: 60
Test Level: 158.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934358763
Test Type: Draw Down
Test Duration: 15
Test Level: 158.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934877340
Test Type: Draw Down
Test Duration: 45
Test Level: 158.0
Test Level UOM: ft

Water Details

Water ID: 933998239
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 158.0
Water Found Depth UOM: ft

---

23 | **1 of 1** | **NNW/0.0** | **229.9 / 9.97** | **10726 Warden Avenue Markham ON L6C 1N3** | **EHS**

Order No: 21101400441
Status: C
Report Type: Custom Report
Report Date: 19-OCT-21
Date Received: 14-OCT-21
Previous Site Name:
Lot/Building Size:
Additional Info Ordered:

Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): .25
X: -79.3484309
Y: 43.9089378

24 | **1 of 1** | **SSE/0.0** | **217.8 / -2.07** | **lot 21 con 4 ON** | **WWIS**

Well ID: 6917614
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction

Data Entry Status:
Data Src: 1
Date Received: 9/3/1985
Selected Flag: TRUE
Abandonment Rec:
Contractor: 3108
Form Version: 1
Owner:
Street Name:
County: YORK AND TORONTO

Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Municipality: MARKHAM TOWN (MARKHAM TWP)
Site Info:
Lot: 021
Concession: 04
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/691\6917614.pdf

Additional Detail(s) (Map)

Well Completed Date: 1985/04/23
Year Completed: 1985
Depth (m): 35.9664
Latitude: 43.8937070205105
Longitude: -79.3440357650681
Path: 691\6917614.pdf

Bore Hole Information

Bore Hole ID: 10507958
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 23-Apr-1985 00:00:00
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 17
East83: 633003.00
North83: 4861400.00
Org CS: N83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method:

Overburden and Bedrock Materials Interval

Formation ID: 932786185
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 5.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932786189

Layer: 5
Color: 3
General Color: BLUE
Mat1: 28
Most Common Material: SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 89.0
Formation End Depth: 118.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932786188
Layer: 4
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2: 81
Mat2 Desc: SANDY
Mat3:
Mat3 Desc:
Formation Top Depth: 38.0
Formation End Depth: 89.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932786186
Layer: 2
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2: 11
Mat2 Desc: GRAVEL
Mat3:
Mat3 Desc:
Formation Top Depth: 5.0
Formation End Depth: 18.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932786187
Layer: 3
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2: 11
Mat2 Desc: GRAVEL
Mat3: 12
Mat3 Desc: STONES
Formation Top Depth: 18.0
Formation End Depth: 38.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID:	966917614
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	

Pipe Information

Pipe ID:	11056528
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930821464
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	115.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	933395156
Layer:	1
Slot:	010
Screen Top Depth:	115.0
Screen End Depth:	118.0
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	6.0

Results of Well Yield Testing

Pump Test ID:	996917614
Pump Set At:	
Static Level:	55.0
Final Level After Pumping:	115.0
Recommended Pump Depth:	117.0
Pumping Rate:	10.0
Flowing Rate:	
Recommended Pump Rate:	7.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	3
Pumping Duration MIN:	0
Flowing:	No

Water Details

Water ID:	934000554
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	100.0
Water Found Depth UOM:	ft

25 **1 of 1** **NNW/0.0** **229.5 / 9.59** **WARDEN AVE. Markham ON** **WWIS**

Well ID:	7208224	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:	Not Used	**Date Received:**	9/20/2013
Sec. Water Use:		**Selected Flag:**	TRUE
Final Well Status:	Abandoned-Other	**Abandonment Rec:**	Yes
Water Type:		**Contractor:**	5459
Casing Material:		**Form Version:**	7
Audit No:	Z168219	**Owner:**	
Tag:		**Street Name:**	WARDEN AVE.
Construction Method:		**County:**	YORK AND TORONTO
Elevation (m):		**Municipality:**	MARKHAM TOWN (MARKHAM TWP)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/720\7208224.pdf

Additional Detail(s) (Map)

Well Completed Date:	2013/08/29
Year Completed:	2013
Depth (m):	
Latitude:	43.9093698107622
Longitude:	-79.3475368234892
Path:	720\7208224.pdf

Bore Hole Information

Bore Hole ID:	1004574808	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	632687.00
Code OB Desc:		**North83:**	4863134.00
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	29-Aug-2013 00:00:00	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Annular Space/Abandonment

Sealing Record

Plug ID:	1004609798
Layer:	2
Plug From:	40.0
Plug To:	0.0
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1004609797
Layer:	1
Plug From:	0.0
Plug To:	
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1004609799
Layer:	3
Plug From:	40.0
Plug To:	
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	1004609796
Method Construction Code:	
Method Construction:	
Other Method Construction:	

Pipe Information

Pipe ID:	1004609789
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1004609793
Layer:	
Material:	
Open Hole or Material:	
Depth From:	
Depth To:	
Casing Diameter:	
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1004609794
Layer:	
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	

Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter:

Water Details

Water ID: 1004609792
Layer:
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1004609791
Diameter: 2.0
Depth From: 0.0
Depth To: 40.0
Hole Depth UOM: ft
Hole Diameter UOM: inch

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26 | **1 of 1** | **NNW/0.0** | **229.9 / 9.97** | **lot 25 con 5 ON** | **WWIS**

Well ID: 6919926
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 26217
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 11/17/1988
Selected Flag: TRUE
Abandonment Rec:
Contractor: 3108
Form Version: 1
Owner:
Street Name:
County: YORK AND TORONTO
Municipality: MARKHAM TOWN (MARKHAM TWP)
Site Info:
Lot: 025
Concession: 05
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/691\6919926.pdf

Additional Detail(s) (Map)

Well Completed Date: 1988/10/05
Year Completed: 1988
Depth (m): 50.9016
Latitude: 43.9096599607533
Longitude: -79.3495463041233
Path: 691\6919926.pdf

Bore Hole Information

Bore Hole ID: 10510249
Elevation:

DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	632525.00
Code OB Desc:		**North83:**	4863163.00
Open Hole:		**Org CS:**	N83
Cluster Kind:		**UTMRC:**	4
Date Completed:	05-Oct-1988 00:00:00	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	

Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID:	932799283
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	3.0
Formation End Depth:	7.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932799287
Layer:	6
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	14
Mat2 Desc:	HARDPAN
Mat3:	
Mat3 Desc:	
Formation Top Depth:	104.0
Formation End Depth:	157.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932799289
Layer:	8
Color:	
General Color:	
Mat1:	28
Most Common Material:	SAND
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	164.0

Formation End Depth:	167.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932799286
Layer:	5
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	89.0
Formation End Depth:	104.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932799285
Layer:	4
Color:	
General Color:	
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	05
Mat2 Desc:	CLAY
Mat3:	
Mat3 Desc:	
Formation Top Depth:	42.0
Formation End Depth:	89.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932799288
Layer:	7
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	157.0
Formation End Depth:	164.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932799282
Layer:	1
Color:	
General Color:	
Mat1:	02

Most Common Material: TOPSOIL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 3.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932799284
Layer: 3
Color:
General Color:
Mat1: 28
Most Common Material: SAND
Mat2: 11
Mat2 Desc: GRAVEL
Mat3:
Mat3 Desc:
Formation Top Depth: 7.0
Formation End Depth: 42.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 966919926
Method Construction Code: 2
Method Construction: Rotary (Convent.)
Other Method Construction:

Pipe Information

Pipe ID: 11058819
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930824014
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 164.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 933396744
Layer: 1
Slot: 014
Screen Top Depth: 164.0
Screen End Depth: 167.0
Screen Material:
Screen Depth UOM: ft

Screen Diameter UOM:	inch
Screen Diameter:	6.0

Results of Well Yield Testing

Pump Test ID:	996919926
Pump Set At:	
Static Level:	35.0
Final Level After Pumping:	
Recommended Pump Depth:	135.0
Pumping Rate:	12.0
Flowing Rate:	
Recommended Pump Rate:	15.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	48
Pumping Duration MIN:	0
Flowing:	No

Water Details

Water ID:	934002861
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	164.0
Water Found Depth UOM:	ft

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27 | ***1 of 1*** | ***S/0.0*** | ***210.7 / -9.23*** | ***lot 21 con 4 ON*** | ***WWIS***

Well ID:	6903368	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	8/4/1966
Sec. Water Use:	0	**Selected Flag:**	TRUE
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	5420
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	YORK AND TORONTO
Elevation (m):		**Municipality:**	MARKHAM TOWN (MARKHAM TWP)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	021
Well Depth:		**Concession:**	04
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/690\6903368.pdf

Additional Detail(s) (Map)

Well Completed Date:	1966/03/17
Year Completed:	1966

Depth (m): 53.9496
Latitude: 43.8924719219574
Longitude: -79.3439243309555
Path: 690\6903368.pdf

Bore Hole Information

Bore Hole ID: 10494096
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 17-Mar-1966 00:00:00
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 17
East83: 633014.70
North83: 4861263.00
Org CS:
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: p4

Overburden and Bedrock Materials Interval

Formation ID: 932719399
Layer: 2
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2: 12
Mat2 Desc: STONES
Mat3:
Mat3 Desc:
Formation Top Depth: 30.0
Formation End Depth: 80.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932719398
Layer: 1
Color:
General Color:
Mat1: 23
Most Common Material: PREVIOUSLY DUG
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 30.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932719400
Layer: 3

Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 80.0
Formation End Depth: 120.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932719402
Layer: 5
Color:
General Color:
Mat1: 10
Most Common Material: COARSE SAND
Mat2: 11
Mat2 Desc: GRAVEL
Mat3:
Mat3 Desc:
Formation Top Depth: 174.0
Formation End Depth: 177.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932719401
Layer: 4
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2: 12
Mat2 Desc: STONES
Mat3:
Mat3 Desc:
Formation Top Depth: 120.0
Formation End Depth: 174.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 966903368
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 11042666
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID:	930806335
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	173.0
Casing Diameter:	5.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	933387540
Layer:	1
Slot:	030
Screen Top Depth:	173.0
Screen End Depth:	177.0
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	5.0

Results of Well Yield Testing

Pump Test ID:	996903368
Pump Set At:	
Static Level:	50.0
Final Level After Pumping:	160.0
Recommended Pump Depth:	160.0
Pumping Rate:	4.0
Flowing Rate:	
Recommended Pump Rate:	3.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	20
Pumping Duration MIN:	0
Flowing:	No

Water Details

Water ID:	933987013
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	174.0
Water Found Depth UOM:	ft

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28 | ***1 of 3*** | ***SSE/0.0*** | ***211.7 / -8.14*** | ***UNKNOWN***
WARDEN RD AND MAJOR MACKENZIE
MARKHAM TOWN ON | ***SPL***

Ref No:	111262	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	3/24/1995	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	UNKNOWN	***Sector Type:***	
Incident Event:		***Agency Involved:***	
Contaminant Code:		***Nearest Watercourse:***	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB

Contaminant Name:		**Site Address:**	
Contaminant Limit 1:		**Site District Office:**	
Contam Limit Freq 1:		**Site Postal Code:**	
Contaminant UN No 1:		**Site Region:**	
Environment Impact:	POSSIBLE	**Site Municipality:**	27402
Nature of Impact:	Water course or lake	**Site Lot:**	
Receiving Medium:	WATER	**Site Conc:**	
Receiving Env:		**Northing:**	
MOE Response:		**Easting:**	MARKHAM FD, YORK WORKS, MARKHAM WOR
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	3/23/1995	**Site Map Datum:**	
Dt Document Closed:		**SAC Action Class:**	
Incident Reason:	UNKNOWN	**Source Type:**	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	UNKNOWN SOURCE: 25L GASO-LINE TO SEWER. YORK SPILLUNIT HAVE RESPONDED.		
Contaminant Qty:			

28	2 of 3	SSE/0.0	211.7 / -8.14	**MOTOR VEHICLE** **WARDEN AVE. & MAJOR MACKENZIE MOTOR VEHICLE (OPERATING FLUID)** **MARKHAM TOWN ON**	SPL

Ref No:	35944	**Discharger Report:**	
Site No:		**Material Group:**	
Incident Dt:	6/8/1990	**Health/Env Conseq:**	
Year:		**Client Type:**	
Incident Cause:	OTHER TRANSPORTATION ACCIDENT	**Sector Type:**	
Incident Event:		**Agency Involved:**	
Contaminant Code:		**Nearest Watercourse:**	
Contaminant Name:		**Site Address:**	
Contaminant Limit 1:		**Site District Office:**	
Contam Limit Freq 1:		**Site Postal Code:**	
Contaminant UN No 1:		**Site Region:**	
Environment Impact:	NOT ANTICIPATED	**Site Municipality:**	27402
Nature of Impact:		**Site Lot:**	
Receiving Medium:	LAND	**Site Conc:**	
Receiving Env:		**Northing:**	
MOE Response:		**Easting:**	
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	6/8/1990	**Site Map Datum:**	
Dt Document Closed:		**SAC Action Class:**	
Incident Reason:	ERROR	**Source Type:**	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	FIRE DEPT. -LESS THAN 1 L. HYDRAULIC FLUID TO ROADSIDE.		
Contaminant Qty:			

28	3 of 3	SSE/0.0	211.7 / -8.14	**The Regional Municipality of York** **Southwest Corner of Major Mackenzie and Warden Avenue** **Markham ON L3Y 6Z1**	ECA

Approval No:	8194-8NTK4P	**MOE District:**	
Approval Date:	2011-11-25	**City:**	
Status:	Approved	**Longitude:**	
Record Type:	ECA	**Latitude:**	

Link Source:	IDS	**Geometry X:**	
SWP Area Name:		**Geometry Y:**	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS		
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS		
Business Name:	The Regional Municipality of York		
Address:	Southwest Corner of Major Mackenzie and Warden Avenue		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/3083-8NGRCK-14.pdf		
PDF Site Location:			

29	1 of 1	SSE/0.0	210.8 / -9.04	lot 20 con 5 ON	WWIS

Well ID:	6911860	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	1/14/1974
Sec. Water Use:	0	**Selected Flag:**	TRUE
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	5459
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	YORK AND TORONTO
Elevation (m):		**Municipality:**	MARKHAM TOWN (MARKHAM TWP)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	020
Well Depth:		**Concession:**	05
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/691\6911860.pdf

Additional Detail(s) (Map)

Well Completed Date:	1973/09/30
Year Completed:	1973
Depth (m):	23.4696
Latitude:	43.8920794314183
Longitude:	-79.341694192206
Path:	691\6911860.pdf

Bore Hole Information

Bore Hole ID:	10502487	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	633194.70
Code OB Desc:		**North83:**	4861223.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	6
Date Completed:	30-Sep-1973 00:00:00	**UTMRC Desc:**	margin of error : 300 m - 1 km
Remarks:		**Location Method:**	p6
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			

Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 932757411
Layer: 4
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 35.0
Formation End Depth: 70.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932757412
Layer: 5
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 70.0
Formation End Depth: 77.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932757408
Layer: 1
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2: 28
Mat2 Desc: SAND
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 20.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932757409
Layer: 2
Color:
General Color:
Mat1: 05
Most Common Material: CLAY

Mat2: 12
Mat2 Desc: STONES
Mat3:
Mat3 Desc:
Formation Top Depth: 20.0
Formation End Depth: 28.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932757410
Layer: 3
Color:
General Color:
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 28.0
Formation End Depth: 35.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 966911860
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 11051057
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930815323
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 77.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 996911860
Pump Set At:
Static Level: 15.0
Final Level After Pumping: 70.0
Recommended Pump Depth: 65.0
Pumping Rate: 8.0
Flowing Rate:
Recommended Pump Rate: 8.0

Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	4
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934621512
Test Type:	Draw Down
Test Duration:	30
Test Level:	70.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	935142839
Test Type:	Draw Down
Test Duration:	60
Test Level:	70.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934351146
Test Type:	Draw Down
Test Duration:	15
Test Level:	45.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934881191
Test Type:	Draw Down
Test Duration:	45
Test Level:	70.0
Test Level UOM:	ft

Water Details

Water ID:	933995101
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	74.0
Water Found Depth UOM:	ft

30	*1 of 1*	*SSE/0.0*	*210.9 / -9.01*	*lot 20 con 5 ON*	*WWIS*

Well ID:	6911440	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	7/3/1973
Sec. Water Use:	0	**Selected Flag:**	TRUE
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	5459
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	

Tag:		**Street Name:**	
Construction Method:		**County:**	YORK AND TORONTO
Elevation (m):		**Municipality:**	MARKHAM TOWN (MARKHAM TWP)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	020
Well Depth:		**Concession:**	05
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/691\6911440.pdf

Additional Detail(s) (Map)

Well Completed Date:	1973/05/18
Year Completed:	1973
Depth (m):	5.1816
Latitude:	43.8920776249072
Longitude:	-79.341569741362
Path:	691\6911440.pdf

Bore Hole Information

Bore Hole ID:	10502071	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	633204.70
Code OB Desc:		**North83:**	4861223.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	6
Date Completed:	18-May-1973 00:00:00	**UTMRC Desc:**	margin of error : 300 m - 1 km
Remarks:		**Location Method:**	p6
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932755527
Layer:	3
Color:	
General Color:	
Mat1:	10
Most Common Material:	COARSE SAND
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	15.0
Formation End Depth:	17.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID: 932755525
Layer: 1
Color:
General Color:
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 10.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932755526
Layer: 2
Color:
General Color:
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 10.0
Formation End Depth: 15.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 966911440
Method Construction Code: 6
Method Construction: Boring
Other Method Construction:

Pipe Information

Pipe ID: 11050641
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930814825
Layer: 1
Material: 3
Open Hole or Material: CONCRETE
Depth From:
Depth To: 17.0
Casing Diameter: 30.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 996911440

Pump Set At:	
Static Level:	5.0
Final Level After Pumping:	
Recommended Pump Depth:	15.0
Pumping Rate:	
Flowing Rate:	
Recommended Pump Rate:	3.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	
Pumping Duration HR:	
Pumping Duration MIN:	
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	935141693
Test Type:	Recovery
Test Duration:	60
Test Level:	5.0
Test Level UOM:	ft

Water Details

Water ID:	933994684
Layer:	1
Kind Code:	5
Kind:	Not stated
Water Found Depth:	10.0
Water Found Depth UOM:	ft

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31 ***1 of 1*** ***SSE/0.0*** ***204.1 / -15.79*** ***Warden Avenue Culvert Markham ON L6C 1M7*** ***EHS***

Order No:	22031700058	***Nearest Intersection:***	
Status:	C	***Municipality:***	
Report Type:	Custom Report	***Client Prov/State:***	ON
Report Date:	22-MAR-22	***Search Radius (km):***	.25
Date Received:	17-MAR-22	***X:***	-79.34312216
Previous Site Name:		***Y:***	43.89178938
Lot/Building Size:			
Additional Info Ordered:			

32 ***1 of 1*** ***S/0.0*** ***203.6 / -16.28*** ***lot 20 con 4 ON*** ***WWIS***

Well ID:	6919813	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	9/27/1988
Sec. Water Use:		***Selected Flag:***	TRUE
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	5459
Casing Material:		***Form Version:***	1
Audit No:	37773	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	YORK AND TORONTO
Elevation (m):		***Municipality:***	MARKHAM TOWN (MARKHAM TWP)
Elevation Reliability:		***Site Info:***	

Depth to Bedrock:		**Lot:**	020
Well Depth:		**Concession:**	04
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/691\6919813.pdf

Additional Detail(s) (Map)

Well Completed Date:	1988/09/22
Year Completed:	1988
Depth (m):	65.8368
Latitude:	43.8916177780705
Longitude:	-79.3440065209279
Path:	691\6919813.pdf

Bore Hole Information

Bore Hole ID:	10510136	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	633010.00
Code OB Desc:		**North83:**	4861168.00
Open Hole:		**Org CS:**	N83
Cluster Kind:		**UTMRC:**	4
Date Completed:	22-Sep-1988 00:00:00	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932798653
Layer:	2
Color:	
General Color:	
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	24.0
Formation End Depth:	35.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932798652
Layer:	1
Color:	6
General Color:	BROWN

Mat1: 05
Most Common Material: CLAY
Mat2: 12
Mat2 Desc: STONES
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 24.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932798656
Layer: 5
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2: 12
Mat2 Desc: STONES
Mat3:
Mat3 Desc:
Formation Top Depth: 180.0
Formation End Depth: 210.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932798657
Layer: 6
Color:
General Color:
Mat1: 28
Most Common Material: SAND
Mat2: 10
Mat2 Desc: COARSE SAND
Mat3:
Mat3 Desc:
Formation Top Depth: 210.0
Formation End Depth: 216.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932798654
Layer: 3
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2: 12
Mat2 Desc: STONES
Mat3:
Mat3 Desc:
Formation Top Depth: 35.0
Formation End Depth: 68.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID:	932798655
Layer:	4
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	85
Mat2 Desc:	SOFT
Mat3:	
Mat3 Desc:	
Formation Top Depth:	68.0
Formation End Depth:	180.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	966919813
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	11058706
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930823889
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	210.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	933396680
Layer:	1
Slot:	018
Screen Top Depth:	210.0
Screen End Depth:	216.0
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	6.0

Results of Well Yield Testing

Pump Test ID:	996919813
Pump Set At:	
Static Level:	30.0
Final Level After Pumping:	216.0
Recommended Pump Depth:	15.0

Pumping Rate:	15.0
Flowing Rate:	
Recommended Pump Rate:	15.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	4
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	935150742
Test Type:	Draw Down
Test Duration:	60
Test Level:	216.0
Test Level UOM:	ft

Water Details

Water ID:	934002751
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	210.0
Water Found Depth UOM:	ft

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33 | ***1 of 1*** | ***SSE/0.0*** | ***210.0 / -9.84*** | ***3803 MAJOR MACKENZIE DR Markham ON*** | ***WWIS***

Well ID:	7230120	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:	Monitoring	**Date Received:**	10/27/2014
Sec. Water Use:		**Selected Flag:**	TRUE
Final Well Status:	Observation Wells	**Abandonment Rec:**	
Water Type:		**Contractor:**	7360
Casing Material:		**Form Version:**	7
Audit No:	Z187267	**Owner:**	
Tag:	A167940	**Street Name:**	3803 MAJOR MACKENZIE DR
Construction Method:		**County:**	YORK AND TORONTO
Elevation (m):		**Municipality:**	MARKHAM TOWN (MARKHAM TWP)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/723\7230120.pdf

Additional Detail(s) (Map)

Well Completed Date:	2014/09/19
Year Completed:	2014
Depth (m):	12.192
Latitude:	43.8919755004085

Longitude: -79.3413571897337
Path: 723\7230120.pdf

Bore Hole Information

Bore Hole ID:	1005178760	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	633222.00
Code OB Desc:		**North83:**	4861212.00
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	19-Sep-2014 00:00:00	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr

Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 1005363312
Layer: 2
Color: 2
General Color: GREY
Mat1: 28
Most Common Material: SAND
Mat2: 06
Mat2 Desc: SILT
Mat3:
Mat3 Desc:
Formation Top Depth: 20.0
Formation End Depth: 40.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1005363311
Layer: 1
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2:
Mat2 Desc:
Mat3: 75
Mat3 Desc: LIGHT-COLOURED
Formation Top Depth: 0.0
Formation End Depth: 20.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1005363319
Layer: 1
Plug From: 32.0
Plug To: 0.0

Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 1005363318
Method Construction Code: 6
Method Construction: Boring
Other Method Construction:

Pipe Information

Pipe ID: 1005363310
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1005363315
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 0.0
Depth To: 35.0
Casing Diameter: 0.75
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1005363316
Layer: 1
Slot: .10
Screen Top Depth: 35.0
Screen End Depth: 40.0
Screen Material: 5
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 0.75

Water Details

Water ID: 1005363314
Layer: 1
Kind Code: 8
Kind: Untested
Water Found Depth: 11.0
Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1005363313
Diameter: 6.0
Depth From: 0.0
Depth To: 40.0
Hole Depth UOM: ft
Hole Diameter UOM: inch

Unplottable Summary

Total: 31 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	The Corporation of the Town of Markham	from Major Mackenzie Drive to Elgin Mills Road Rd Lots 21-25, Concession 3	Markham ON	
CA	MARKHAM TOWN TOWN CENTRE BLVD.	WARDEN AVE.	MARKHAM TOWN ON	
CA	IPCF PROPERTIES INC.	WARDEN AVE., PLAN 65R-7822	MARKHAM TOWN ON	
CA		Part of Lot 22, Plan 65M-2230	Markham ON	
CA		Part Lot 20, Conc. 5	Markham ON	
CA		Part Lot 20, Conc. 5	Markham ON	
CA	Warden Avenue Watermain	Warden Avenue	Markham ON	
CA	MATTAMY (UNIONVILLE) INC.	MAJOR MACKENZIE DRIVE	MARKHAM TOWN ON	
CA	MARKHAM TOWN	WARDEN AVE.	MARKHAM TOWN ON	
CA	SIXTEENTH WARDEN LIMITED-ARMADALE CENTRE	STREET 'A'/WARDEN AVE PHASE 5	MARKHAM TOWN ON	
CA	URI SAKS INVESTMENTS	NORTHEAST CORNER OF WARDEN AVE	MARKHAM TOWN ON	
CA	MARKHAM TOWN TOWN CENTRE BLVD.	WARDEN AVE.	MARKHAM TOWN ON	
CA	SIXTEENTH WARDEN LIMITED-ARMADALE CENTRE	STREET'A'/WARDEN AVE. PH. 5	MARKHAM TOWN ON	
CA	The Corporation of the Town of Markham	from Major Mackenzie Drive to Elgin Mills Road Rd Lots 21-25, Concession 3	Markham ON	
CA	The Corporation of the Town of Markham	from Major Mackenzie Drive to Elgin Mills Road Rd Lots 21-25, Concession 3	Markham ON	
ECA	Berczy Warden Holdings Inc.		Markham ON	L4K 4R1
ECA	Neamsby Investments Inc.	Part of Lot 22, Plan 65M-2230	Markham ON	L6T 1T1

ECA	The Corporation of the Town of Markham	South of Major Mackenzie Drive, east of Warden Avenue	Markham ON	L3R 9W3
ECA	The Corporation of the Town of Markham	Warden Avenue	Markham ON	L3R 9W3
PTTW	Angus Glen Development Ltd.	Lot 24, Concession 5 TOWN OF MARKHAM	ON	
PTTW	Angus Glen Development Ltd.	Lot 21, Lot 24, Concession 5 TOWN OF MARKHAM	ON	
PTTW	Meadowbrook Golf and Country Club	Lot 23, Concession 5 Markham	ON	
PTTW	Angus Glen Golf Club Ltd.	Lot 21, Concession 5 and Lot 24, Concession 5, Markham TOWN OF MARKHAM	ON	
SPL	Kapp Construction Ltd.	Major Mackenzie Drive	Markham ON	
SPL	Kapp Construction Ltd.	Major MacKenzie Drive (general)	Markham ON	
SPL	Miller Waste Systems Inc.	ON ELGIN MILLS RD., BETWEEN KENNEDY RD AND WARDEN RD.<UNOFFICIAL>	Markham ON	
SPL	Powerstream Inc.	Major MacKenzie Drive (general)	Markham ON	
SPL		Major MacKenzie Drive (general)	Markham ON	
SPL	Kapp Construction Ltd.	Major MacKenzie Drive (general)	Markham ON	
SPL	Toronto Transit Commission	Major Mackenzie Drive	Markham ON	
SPL	Enbridge Gas Distribution Inc.	East Side of Warden Ave	Markham ON	

Unplottable Report

Site: ***The Corporation of the Town of Markham***
from Major Mackenzie Drive to Elgin Mills Road Rd Lots 21-25, Concession 3 Markham ON

Database: ***CA***

Certificate #:	3935-7J6N7U
Application Year:	2008
Issue Date:	9/4/2008
Approval Type:	Municipal and Private Sewage Works
Status:	Revoked and/or Replaced
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site: ***MARKHAM TOWN TOWN CENTRE BLVD.***
WARDEN AVE. MARKHAM TOWN ON

Database: ***CA***

Certificate #:	3-0677-88-
Application Year:	88
Issue Date:	8/3/1990
Approval Type:	Municipal sewage
Status:	Approved in 1990
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site: ***IPCF PROPERTIES INC.***
WARDEN AVE., PLAN 65R-7822 MARKHAM TOWN ON

Database: ***CA***

Certificate #:	8-3296-94-
Application Year:	94
Issue Date:	9/9/1994
Approval Type:	Industrial air
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	SPACE & WATER HEATERS, ON-SITE BAKERY
Contaminants:	Nitrogen Oxides, Odour/Fumes
Emission Control:	No Controls

Site:
Part of Lot 22, Plan 65M-2230 Markham ON

Database: ***CA***

Certificate #:	4712-4VNRB7

Application Year: 01
Issue Date: 5/1/01
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name: Neamsby Investments Inc.
Client Address: 7501 Keele Street, Suite 100, Concord
Client City: Vaughan
Client Postal Code: L6T 1T1
Project Description: Construction of an on-site SWM system to attenuate major storm peak run-off to an allowable design discharge of 184.4 L/s and to provide spill and sediment control
Contaminants:
Emission Control:

Site: ***Database:*** ***CA***
Part Lot 20, Conc. 5 Markham ON

Certificate #: 0741-4MLKN7
Application Year: 00
Issue Date: 7/31/00
Approval Type: Municipal & Private water
Status: Approved
Application Type: New Certificate of Approval
Client Name: Angus Glen Developments Ltd.
Client Address: 10060 Kennedy Road
Client City: Markham
Client Postal Code: L6C 1N9
Project Description: Construction of watermains on Pinehurst Road (Street 'A'), The Mews (Street 'B'), Schoolhouse Way (Street 'C'), Prospector's Drive, Block 56/Lane 'BB', and Block 60. Project 19T-95026, Regional Municipality of York.
Contaminants:
Emission Control:

Site: ***Database:*** ***CA***
Part Lot 20, Conc. 5 Markham ON

Certificate #: 1850-4MLKD2
Application Year: 00
Issue Date: 7/31/00
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name: Angus Glen Developments Ltd.
Client Address: 10060 Kennedy Road
Client City: Markham
Client Postal Code: L6C 1N9
Project Description: Construction of storm and sanitary sewers on Pinehurst Road (Street 'A'), The Mews (Street 'B'), Schoolhouse Way (Street 'C'), and Prospector's Drive. Construction of only storm sewers on Lane 'BB'. Construction of foundation drain collectors on The Mews (Street 'B') and Schoolhouse Way (Street 'C). Project 19T-95026, Regional Municipality of York.
Contaminants:
Emission Control:

Site: ***Warden Avenue Watermain*** ***Database:*** ***CA***
Warden Avenue Markham ON

Certificate #: 3026-5EDSAX
Application Year: 02
Issue Date: 9/30/02
Approval Type: Municipal & Private water
Status: Approved
Application Type: New Certificate of Approval
Client Name: The Corporation of the Town of Markham
Client Address: 101 Town Centre Boulevard
Client City: Markham

Client Postal Code: L3R 9W3
Project Description: Watermain construction on Warden Avenue
Contaminants:
Emission Control:

Site: ***MATTAMY (UNIONVILLE) INC.***
MAJOR MACKENZIE DRIVE MARKHAM TOWN ON

Database: ***CA***

Certificate #: 3-1240-97-
Application Year: 97
Issue Date: 9/16/1997
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***MARKHAM TOWN***
WARDEN AVE. MARKHAM TOWN ON

Database: ***CA***

Certificate #: 7-0461-87-
Application Year: 87
Issue Date: 6/8/1987
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***SIXTEENTH WARDEN LIMITED-ARMADALE CENTRE***
STREET 'A'/WARDEN AVE PHASE 5 MARKHAM TOWN ON

Database: ***CA***

Certificate #: 7-1770-89-
Application Year: 89
Issue Date: 11/10/1989
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***URI SAKS INVESTMENTS***
NORTHEAST CORNER OF WARDEN AVE MARKHAM TOWN ON

Database: ***CA***

Certificate #: 7-0138-89-
Application Year: 89
Issue Date: 2/7/1989

Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***MARKHAM TOWN TOWN CENTRE BLVD. WARDEN AVE. MARKHAM TOWN ON***

Database: ***CA***

Certificate #: 7-0596-88-
Application Year: 88
Issue Date: 8/3/1990
Approval Type: Municipal water
Status: Approved in 1990
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***SIXTEENTH WARDEN LIMITED-ARMADALE CENTRE STREET'A'/WARDEN AVE. PH. 5 MARKHAM TOWN ON***

Database: ***CA***

Certificate #: 3-2131-89-
Application Year: 89
Issue Date: 11/10/1989
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***The Corporation of the Town of Markham from Major Mackenzie Drive to Elgin Mills Road Rd Lots 21-25, Concession 3 Markham ON***

Database: ***CA***

Certificate #: 7707-7QMM3Q
Application Year: 2009
Issue Date: 3/31/2009
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***The Corporation of the Town of Markham***
from Major Mackenzie Drive to Elgin Mills Road Rd Lots 21-25, Concession 3 Markham ON

Database: ***CA***

Certificate #: 2588-7GNGNG
Application Year: 2008
Issue Date: 7/21/2008
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***Berczy Warden Holdings Inc.***
Markham ON L4K 4R1

Database: ***ECA***

Approval No: 2662-C8VHE4
Approval Date: December, 3 2021
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name: Toronto
MOE District: York-Durham
City:
Longitude:
Latitude:
Geometry X: -8832501.3948
Geometry Y: 5448975.209600002
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Berczy Warden Holdings Inc.
Address:
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/4709-C8LJU5-14.pdf
PDF Site Location:

Site: ***Neamsby Investments Inc.***
Part of Lot 22, Plan 65M-2230 Markham ON L6T 1T1

Database: ***ECA***

Approval No: 4712-4VNRB7
Approval Date: 2001-05-01
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Neamsby Investments Inc.
Address: Part of Lot 22, Plan 65M-2230
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/7743-4V7MFU-14.pdf
PDF Site Location:

Site: ***The Corporation of the Town of Markham***
South of Major Mackenzie Drive, east of Warden Avenue Markham ON L3R 9W3

Database: ***ECA***

Approval No: 5046-7PZK5K
Approval Date: 2009-03-11
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name: Toronto
MOE District: York-Durham
City:
Longitude: -79.3315
Latitude: 43.8967
Geometry X:
Geometry Y:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: The Corporation of the Town of Markham
Address: South of Major Mackenzie Drive, east of Warden Avenue

Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/9009-7PUNA8-14.pdf
PDF Site Location:

Site: ***The Corporation of the Town of Markham***
Warden Avenue Markham ON L3R 9W3

Database: ***ECA***

Approval No: 3026-5EDSAX
Approval Date: 2002-09-30
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-Municipal and Private Water Works
Project Type: Municipal and Private Water Works
Business Name: The Corporation of the Town of Markham
Address: Warden Avenue
Full Address:
Full PDF Link:
PDF Site Location:

MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: ***Angus Glen Development Ltd.***
Lot 24, Concession 5 TOWN OF MARKHAM ON

Database: ***PTTW***

EBR Registry No: IA9E0719
Ministry Ref No: 99P3016
Notice Type: Instrument\sDecision
Notice Stage:
Notice Date: December\s10,\s2002
Proposal Date: June\s18,\s1999
Year: 1999
Instrument Type: (OWRA\ss.\s34)\s-\sPermit\sto\sTake\sWater
Off Instrument Name:
Posted By:
Company Name: Angus\sGlen\sDevelopment\sLtd.
Site Address:
Location Other:
Proponent Name:
Proponent Address: 10060\sKennedy\sRoad,\sMarkham\sOntario,\sL6C\s1N9
Comment Period:
URL:

Decision Posted:
Exception Posted:
Section:
Act 1:
Act 2:
Site Location Map:

Site Location Details:

Lot 24, Concession 5 TOWN OF MARKHAM

Site: ***Angus Glen Development Ltd.***
Lot 21, Lot 24, Concession 5 TOWN OF MARKHAM ON

Database: ***PTTW***

EBR Registry No: IA02E1525
Ministry Ref No: 94-P-3064
Notice Type: Instrument\sDecision
Notice Stage:
Notice Date: January\s31,\s2003
Proposal Date: December\s03,\s2002
Year: 2002
Instrument Type: (OWRA\ss.\s34)\s-\sPermit\sto\sTake\sWater
Off Instrument Name:
Posted By:
Company Name: Angus\sGlen\sDevelopment\sLtd.
Site Address:
Location Other:
Proponent Name:

Decision Posted:
Exception Posted:
Section:
Act 1:
Act 2:
Site Location Map:

Proponent Address: 10060\sKennedy\sRoad,\sMarkham\sOntario,\sL6C\s1N9
Comment Period:
URL:

Site Location Details:

Lot 21, Lot 24, Concession 5 TOWN OF MARKHAM

Site: ***Meadowbrook Golf and Country Club***
Lot 23, Concession 5 Markham ON

Database: ***PTTW***

EBR Registry No: IA01E0886
Ministry Ref No: 01-P-3008
Notice Type: Instrument\sDecision
Notice Stage:
Notice Date: June\s23,\s2005
Proposal Date: June\s21,\s2001
Year: 2001
Instrument Type: (OWRA\ss.\s34)\s-\sPermit\sto\sTake\sWater
Off Instrument Name:
Posted By:
Company Name: Meadowbrook\sGolf\sand\sCountry\sClub
Site Address:
Location Other:
Proponent Name:
Proponent Address: P.O.\sBox\s670,\sGormley\sOntario,\sL0H\s1G0
Comment Period:
URL:

Decision Posted:
Exception Posted:
Section:
Act 1:
Act 2:
Site Location Map:

Site Location Details:

Lot 23, Concession 5 Markham

Site: ***Angus Glen Golf Club Ltd.***
Lot 21, Concession 5 and Lot 24, Concession 5, Markham TOWN OF MARKHAM ON

Database: ***PTTW***

EBR Registry No: 010-2445
Ministry Ref No: 0844-7ABQF2
Notice Type: Instrument\sDecision
Notice Stage:
Notice Date: April\s29,\s2008
Proposal Date: January\s03,\s2008
Year: 2008
Instrument Type: (OWRA\ss.\s34)\s-\sPermit\sto\sTake\sWater
Off Instrument Name:
Posted By:
Company Name: Angus\sGlen\sGolf\sClub\sLtd.
Site Address:
Location Other:
Proponent Name:
Proponent Address: 10060\sKennedy\sRoad,\sMarkham\sOntario,\sCanada\sL6C\s1N9
Comment Period:
URL:

Decision Posted:
Exception Posted:
Section:
Act 1:
Act 2:
Site Location Map:

Site Location Details:

Lot 21, Concession 5 and Lot 24, Concession 5, Markham TOWN OF MARKHAM

Site: ***Kapp Construction Ltd.***
Major Mackenzie Drive Markham ON

Database: ***SPL***

Ref No:	3848-7DKTVY	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:		***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:		***Sector Type:***	Other Motor Vehicle
Incident Event:		***Agency Involved:***	
Contaminant Code:	15	***Nearest Watercourse:***	
Contaminant Name:	HYDRAULIC OIL	***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	York-Durham
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	Possible	***Site Municipality:***	Markham
Nature of Impact:	Surface Water Pollution	***Site Lot:***	
Receiving Medium:		***Site Conc:***	
Receiving Env:		***Northing:***	NA
MOE Response:	No Field Response	***Easting:***	NA
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	4/10/2008	***Site Map Datum:***	
Dt Document Closed:	4/26/2008	***SAC Action Class:***	Watercourse Spills
Incident Reason:		***Source Type:***	
Site Name:	Major Mackenzie Drive		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	York Region/Kapp Const - oil from overturn crane near creek		
Contaminant Qty:			

Site: ***Kapp Construction Ltd.***
Major MacKenzie Drive (general) Markham ON

Database: ***SPL***

Ref No:	7685-7DB4QQ	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:		***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	Discharge Or Bypass To A Watercourse	***Sector Type:***	Other
Incident Event:		***Agency Involved:***	
Contaminant Code:		***Nearest Watercourse:***	
Contaminant Name:		***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	York-Durham
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	Possible	***Site Municipality:***	Markham
Nature of Impact:	Surface Water Pollution	***Site Lot:***	
Receiving Medium:		***Site Conc:***	
Receiving Env:		***Northing:***	NA
MOE Response:	Priority Field Response	***Easting:***	NA
Dt MOE Arvl on Scn:	3/25/2008	***Site Geo Ref Accu:***	
MOE Reported Dt:	4/1/2008	***Site Map Datum:***	
Dt Document Closed:	5/25/2008	***SAC Action Class:***	Watercourse Spills
Incident Reason:	Spill	***Source Type:***	
Site Name:	Major MacKenzie Drive (general)		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	York Region/Kapp Const - oil from overturn crane near creek		
Contaminant Qty:			

Site: ***Miller Waste Systems Inc.***
ON ELGIN MILLS RD., BETWEEN KENNEDY RD AND WARDEN RD.<UNOFFICIAL> Markham ON

Database: ***SPL***

Ref No:	3481-5UCRQJ	***Discharger Report:***	
Site No:		***Material Group:***	Oil
Incident Dt:	12/18/2003	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	Other Transport Accident	***Sector Type:***	Transport Truck
Incident Event:		***Agency Involved:***	
Contaminant Code:	13	***Nearest Watercourse:***	
Contaminant Name:	DIESEL FUEL	***Site Address:***	

Contaminant Limit 1:		***Site District Office:***	York-Durham
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	Central
Environment Impact:	Possible	***Site Municipality:***	Markham
Nature of Impact:	Soil Contamination	***Site Lot:***	
Receiving Medium:	Land	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	12/18/2003	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	Spill to Land
Incident Reason:	Error- Operator error	***Source Type:***	
Site Name:	ON ELGIN MILLS RD., BETWEEN KENNEDY RD AND WARDEN RD.<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	Miller Waste Sys.,90 L diesel to ditch/rd,clning		
Contaminant Qty:	90 L		

Site: ***Powerstream Inc.***
Major MacKenzie Drive (general) Markham ON

Database: ***SPL***

Ref No:	6737-74DS7M	***Discharger Report:***	
Site No:		***Material Group:***	Oil
Incident Dt:		***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	Discharge Or Bypass To A Watercourse	***Sector Type:***	Transformer
Incident Event:		***Agency Involved:***	
Contaminant Code:	15	***Nearest Watercourse:***	
Contaminant Name:	TRANSFORMER OIL (N.O.S.)	***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	Confirmed	***Site Municipality:***	Markham
Nature of Impact:	Other Impact(s); Soil Contamination; Surface Water Pollution	***Site Lot:***	
Receiving Medium:	Land & Water	***Site Conc:***	
Receiving Env:		***Northing:***	NA
MOE Response:	No Field Response	***Easting:***	NA
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	6/21/2007	***Site Map Datum:***	
Dt Document Closed:	11/3/2007	***SAC Action Class:***	
Incident Reason:	Error- Operator error	***Source Type:***	
Site Name:	Major MacKenzie Drive (general)		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	Powerstream - 90L of mineral oil to CB & ditch		
Contaminant Qty:	90 L		

Site:
Major MacKenzie Drive (general) Markham ON

Database: ***SPL***

Ref No:	7486-75HJV8	***Discharger Report:***	
Site No:		***Material Group:***	Oil
Incident Dt:		***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	Other Discharges	***Sector Type:***	Other Motor Vehicle
Incident Event:		***Agency Involved:***	
Contaminant Code:	15	***Nearest Watercourse:***	
Contaminant Name:	HYDRAULIC OIL	***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	Confirmed	***Site Municipality:***	Markham
Nature of Impact:	Soil Contamination	***Site Lot:***	
Receiving Medium:	Land	***Site Conc:***	
Receiving Env:		***Northing:***	NA

MOE Response:	No Field Response	***Easting:***	NA
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	7/27/2007	***Site Map Datum:***	
Dt Document Closed:	9/14/2007	***SAC Action Class:***	
Incident Reason:		***Source Type:***	
Site Name:	Major MacKenzie Drive (general)		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	MVA: Car and Dump truck, 20-30 L Hyd. Oil to RD.		
Contaminant Qty:	30 L		

Site: ***Kapp Construction Ltd.***
Major MacKenzie Drive (general) Markham ON

Database: ***SPL***

Ref No:	0243-7D3L8Q	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:		***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	Discharge Or Bypass To A Watercourse	***Sector Type:***	Other
Incident Event:		***Agency Involved:***	
Contaminant Code:	15	***Nearest Watercourse:***	
Contaminant Name:	OIL (PETROLEUM BASED, NOT SPECIFIED)	***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	York-Durham
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	Confirmed	***Site Municipality:***	Markham
Nature of Impact:	Soil Contamination; Surface Water Pollution	***Site Lot:***	
Receiving Medium:		***Site Conc:***	
Receiving Env:		***Northing:***	NA
MOE Response:	Priority Field Response	***Easting:***	NA
Dt MOE Arvl on Scn:	3/25/2008	***Site Geo Ref Accu:***	
MOE Reported Dt:	3/25/2008	***Site Map Datum:***	
Dt Document Closed:	5/25/2008	***SAC Action Class:***	Watercourse Spills
Incident Reason:	Spill	***Source Type:***	
Site Name:	Major MacKenzie Drive (general)		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	York Region/Kapp Const - oil from overturn crane near creek		
Contaminant Qty:	other - see incident description		

Site: ***Toronto Transit Commission***
Major Mackenzie Drive Markham ON

Database: ***SPL***

Ref No:	4340-8XPMJJ	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	31-AUG-12	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:		***Sector Type:***	
Incident Event:		***Agency Involved:***	
Contaminant Code:	15	***Nearest Watercourse:***	
Contaminant Name:	OIL (PETROLEUM BASED, NOT SPECIFIED)	***Site Address:***	Major Mackenzie Drive
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	Confirmed	***Site Municipality:***	Markham
Nature of Impact:		***Site Lot:***	
Receiving Medium:		***Site Conc:***	
Receiving Env:		***Northing:***	NA
MOE Response:	No Field Response	***Easting:***	NA
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	NA
MOE Reported Dt:	31-AUG-12	***Site Map Datum:***	NA
Dt Document Closed:	05-JUL-13	***SAC Action Class:***	Land Spills
Incident Reason:		***Source Type:***	
Site Name:	Major Mackenzie Drive		
Site County/District:			
Site Geo Ref Meth:	NA		

Incident Summary: TTC: 30 L oil to grnd, cleaned
Contaminant Qty: 30 L

Site: ***Enbridge Gas Distribution Inc.***
East Side of Warden Ave Markham ON

Database: ***SPL***

Ref No:	4084-8KWQWD	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	8/20/2011	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	Other Discharges	***Sector Type:***	Other
Incident Event:		***Agency Involved:***	
Contaminant Code:	99	***Nearest Watercourse:***	
Contaminant Name:	DRILL MUD (BENTONITE & WATER)	***Site Address:***	East Side of Warden Ave
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	Not Anticipated	***Site Municipality:***	Markham
Nature of Impact:	Surface Water Pollution	***Site Lot:***	
Receiving Medium:		***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:	No Field Response	***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	8/20/2011	***Site Map Datum:***	
Dt Document Closed:	8/27/2011	***SAC Action Class:***	Watercourse Spills
Incident Reason:	Spill	***Source Type:***	

Site Name: Rouge River<UNOFFICIAL>
Site County/District:
Site Geo Ref Meth:
Incident Summary: Enbridge: 5L Drilling mud to Rouge River
Contaminant Qty: 5 L

Appendix: Database Descriptions

Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. ***Note:*** *Databases denoted with " * " indicates that the database will no longer be updated. See the individual database description for more information.*

Abandoned Aggregate Inventory: Provincial AAGR

The MAAP Program maintains a database of abandoned pits and quarries. Please note that the database is only referenced by lot and concession and city/town location. The database provides information regarding the location, type, size, land use, status and general comments.*

Government Publication Date: Sept 2002*

Aggregate Inventory: Provincial AGR

The Ontario Ministry of Natural Resources maintains a database of all active pits and quarries. The database provides information regarding the registered owner/operator, location name, operation type, approval type, and maximum annual tonnage.

Government Publication Date: Up to Nov 2021

Abandoned Mine Information System: Provincial AMIS

The Abandoned Mines Information System contains data on known abandoned and inactive mines located on both Crown and privately held lands. The information was provided by the Ministry of Northern Development and Mines (MNDM), with the following disclaimer: "the database provided has been compiled from various sources, and the Ministry of Northern Development and Mines makes no representation and takes no responsibility that such information is accurate, current or complete". Reported information includes official mine name, status, background information, mine start/end date, primary commodity, mine features, hazards and remediation.

Government Publication Date: 1800-Mar 2022

Anderson's Waste Disposal Sites: Private ANDR

The information provided in this database was collected by examining various historical documents which aimed to characterize the likely position of former waste disposal sites from 1860 to present. The research initiative behind the creation of this database was to identify those sites that are missing from the Ontario MOE Waste Disposal Site Inventory, as well as to provide revisions and corrections to the positions and descriptions of sites currently listed in the MOE inventory. In addition to historic waste disposal facilities, the database also identifies certain auto wreckers and scrap yards that have been extrapolated from documentary sources. Please note that the data is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

Government Publication Date: 1860s-Present

Aboveground Storage Tanks: Provincial AST

Historical listing of aboveground storage tanks made available by the Department of Natural Resources and Forestry. Includes tanks used to hold water or petroleum. This dataset has been retired as of September 25, 2014 and will no longer be updated.

Government Publication Date: May 31, 2014

Automobile Wrecking & Supplies: Private AUWR

This database provides an inventory of known locations that are involved in the scrap metal, automobile wrecking/recycling, and automobile parts & supplies industry. Information is provided on the company name, location and business type.

Government Publication Date: 1999-Sep 30, 2021

Borehole: Provincial BORE

A borehole is the generalized term for any narrow shaft drilled in the ground, either vertically or horizontally. The information here includes geotechnical investigations or environmental site assessments, mineral exploration, or as a pilot hole for installing piers or underground utilities. Information is from many sources such as the Ministry of Transportation (MTO) boreholes from engineering reports and projects from the 1950 to 1990's in Southern Ontario. Boreholes from the Ontario Geological Survey (OGS) including The Urban Geology Analysis Information System (UGAIS) and the York Peel Durham Toronto (YPDT) database of the Conservation Authority Moraine Coalition. This database will include fields such as location, stratigraphy, depth, elevation, year drilled, etc. For all water well data or oil and gas well data for Ontario please refer to WWIS and OOGW.

Government Publication Date: 1875-Jul 2018

Certificates of Approval: Provincial CA

This database contains the following types of approvals: Air & Noise, Industrial Sewage, Municipal & Private Sewage, Waste Management Systems and Renewable Energy Approvals. The MOE in Ontario states that any facility that releases emissions to the atmosphere, discharges contaminants to ground or surface water, provides potable water supplies, or stores, transports or disposes of waste, must have a Certificate of Approval before it can operate lawfully. Fields include approval number, business name, address, approval date, approval type and status. This database will no longer be updated, as CofA's have been replaced by either Environmental Activity and Sector Registry (EASR) or Environmental Compliance Approval (ECA). Please refer to those individual databases for any information after Oct.31, 2011.

Government Publication Date: 1985-Oct 30, 2011*

Dry Cleaning Facilities: Federal CDRY

List of dry cleaning facilities made available by Environment and Climate Change Canada. Environment and Climate Change Canada's Tetrachloroethylene (Use in Dry Cleaning and Reporting Requirements) Regulations (SOR/2003-79) are intended to reduce releases of tetrachloroethylene to the environment from dry cleaning facilities.

Government Publication Date: Jan 2004-Dec 2019

Commercial Fuel Oil Tanks: Provincial CFOT

Locations of commercial underground fuel oil tanks. This is not a comprehensive or complete inventory of commercial fuel tanks in the province; this listing is a copy of records of registered commercial underground fuel oil tanks obtained under Access to Public Information.
Note that the following types of tanks do not require registration: waste oil tanks in apartments, office buildings, residences, etc.; aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2022

Chemical Manufacturers and Distributors: Private CHEM

This database includes information from both a one time study conducted in 1992 and private source and is a listing of facilities that manufacture or distribute chemicals. The production of these chemical substances may involve one or more chemical reactions and/or chemical separation processes (i.e. fractionation, solvent extraction, crystallization, etc.).

Government Publication Date: 1999-Jan 31, 2020

Chemical Register: Private CHM

This database includes a listing of locations of facilities within the Province or Territory that either manufacture and/or distributes chemicals.

Government Publication Date: 1999-Sep 30, 2021

Compressed Natural Gas Stations: Private CNG

Canada has a network of public access compressed natural gas (CNG) refuelling stations. These stations dispense natural gas in compressed form at 3,000 pounds per square inch (psi), the pressure which is allowed within the current Canadian codes and standards. The majority of natural gas refuelling is located at existing retail gasoline that have a separate refuelling island for natural gas. This list of stations is made available by the Canadian Natural Gas Vehicle Alliance.

Government Publication Date: Dec 2012 -Apr 2022

Inventory of Coal Gasification Plants and Coal Tar Sites: Provincial COAL

This inventory includes both the "Inventory of Coal Gasification Plant Waste Sites in Ontario-April 1987" and the Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario-November 1988) collected by the MOE. It identifies industrial sites that produced and continue to produce or use coal tar and other related tars. Detailed information is available and includes: facility type, size, land use, information on adjoining properties, soil condition, site operators/occupants, site description, potential environmental impacts and historic maps available. This was a one-time inventory.*

Government Publication Date: Apr 1987 and Nov 1988*

Compliance and Convictions: Provincial CONV

This database summarizes the fines and convictions handed down by the Ontario courts beginning in 1989. Companies and individuals named here have been found guilty of environmental offenses in Ontario courts of law.

Government Publication Date: 1989-Mar 2022

Certificates of Property Use: Provincial CPU

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all CPU's on the registry such as (EPA s. 168.6) - Certificate of Property Use.

Government Publication Date: 1994 - Apr 30, 2022

Drill Hole Database: Provincial DRL

The Ontario Drill Hole Database contains information on more than 113,000 percussion, overburden, sonic and diamond drill holes from assessment files on record with the department of Mines and Minerals. Please note that limited data is available for southern Ontario, as it was the last area to be completed. The database was created when surveys submitted to the Ministry were converted in the Assessment File Research Image Database (AFRI) project. However, the degree of accuracy (coordinates) as to the exact location of drill holes is dependent upon the source document submitted to the MNDM. Levels of accuracy used to locate holes are: centering on the mining claim; a sketch of the mining claim; a 1:50,000 map; a detailed company map; or from submitted a "Report of Work".

Government Publication Date: 1886 - Sep 2020

Delisted Fuel Tanks: Provincial DTNK

List of fuel storage tank sites that were once found in - and have since been removed from - the list of fuel storage tanks made available by the regulatory agency under Access to Public Information.

Government Publication Date: Feb 28, 2022

Environmental Activity and Sector Registry: Provincial EASR

On October 31, 2011, a smarter, faster environmental approvals system came into effect in Ontario. The EASR allows businesses to register certain activities with the ministry, rather than apply for an approval. The registry is available for common systems and processes, to which preset rules of operation can be applied. The EASR is currently available for: heating systems, standby power systems and automotive refinishing. Businesses whose activities aren't subject to the EASR may apply for an ECA (Environmental Compliance Approval), Please see our ECA database.

Government Publication Date: Oct 2011- Apr 30, 2022

Environmental Registry: Provincial EBR

The Environmental Registry lists proposals, decisions and exceptions regarding policies, Acts, instruments, or regulations that could significantly affect the environment. Through the Registry, thirteen provincial ministries notify the public of upcoming proposals and invite their comments. For example, if a local business is requesting a permit, license, or certificate of approval to release substances into the air or water; these are notified on the registry. Data includes: Approval for discharge into the natural environment other than water (i.e. Air) - EPA s. 9, Approval for sewage works - OWRA s. 53(1), and EPA s. 27 - Approval for a waste disposal site. For information regarding Permit to Take Water (PTTW), Certificate of Property Use (CPU) and (ORD) Orders please refer to those individual databases.

Government Publication Date: 1994 - Apr 30, 2022

Environmental Compliance Approval: Provincial ECA

On October 31, 2011, a smarter, faster environmental approvals system came into effect in Ontario. In the past, a business had to apply for multiple approvals (known as certificates of approval) for individual processes and pieces of equipment. Today, a business either registers itself, or applies for a single approval, depending on the types of activities it conducts. Businesses whose activities aren't subject to the EASR may apply for an ECA. A single ECA addresses all of a business's emissions, discharges and wastes. Separate approvals for air, noise and waste are no longer required. This database will also include Renewable Energy Approvals. For certificates of approval prior to Nov 1st, 2011, please refer to the CA database. For all Waste Disposal Sites please refer to the WDS database.

Government Publication Date: Oct 2011- Apr 30, 2022

Environmental Effects Monitoring: Federal EEM

The Environmental Effects Monitoring program assesses the effects of effluent from industrial or other sources on fish, fish habitat and human usage of fisheries resources. Since 1992, pulp and paper mills have been required to conduct EEM studies under the Pulp and Paper Effluent Regulations. This database provides information on the mill name, geographical location and sub-lethal toxicity data.

Government Publication Date: 1992-2007*

ERIS Historical Searches: Private EHS

ERIS has compiled a database of all environmental risk reports completed since March 1999. Available fields for this database include: site location, date of report, type of report, and search radius. As per all other databases, the ERIS database can be referenced on both the map and "Statistical Profile" page.

Government Publication Date: 1999-Mar 31, 2022

Environmental Issues Inventory System: Federal EIIS

The Environmental Issues Inventory System was developed through the implementation of the Environmental Issues and Remediation Plan. This plan was established to determine the location and severity of contaminated sites on inhabited First Nation reserves, and where necessary, to remediate those that posed a risk to health and safety; and to prevent future environmental problems. The EIIS provides information on the reserve under investigation, inventory number, name of site, environmental issue, site action (Remediation, Site Assessment), and date investigation completed.

Government Publication Date: 1992-2001*

Emergency Management Historical Event: Provincial EMHE

List of locations of historical occurrences of emergency events, including those assigned to the Ministry of Natural Resources by Order-In-Council (OIC) under the Emergency Management and Civil Protection Act, as well as events where MNR provided requested emergency response assistance. Many of these events will have involved community evacuations, significant structural loss, and/or involvement of MNR emergency response staff. These events fall into one of ten (10) type categories: Dam Failure; Drought / Low Water; Erosion; Flood; Forest Fire; Soil and Bedrock Instability; Petroleum Resource Center Event, EMO Requested Assistance, Continuity of Operations Event, Other Requested Assistance. EMHE record details are reproduced by ERIS under License with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2017.

Government Publication Date: Dec 31, 2016

Environmental Penalty Annual Report: Provincial EPAR

This database contains data from Ontario's annual environmental penalty report published by the Ministry of the Environment and Climate Change. These reports provide information on environmental penalties for land or water violations issued to companies in one of the nine industrial sectors covered by the Municipal Industrial Strategy for Abatement (MISA) regulations.

Government Publication Date: Jan 1, 2011 - Dec 31, 2021

List of Expired Fuels Safety Facilities: Provincial EXP

List of facilities and tanks for which there was once a fuel registration. This is not a comprehensive or complete inventory of expired tanks/tank facilities in the province; this listing is a copy of previously registered tanks and facilities obtained under Access to Public Information. Includes private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc; includes tanks which have been removed from the ground.
Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2022

Federal Convictions: Federal FCON

Environment Canada maintains a database referred to as the "Environmental Registry" that details prosecutions under the Canadian Environmental Protection Act (CEPA) and the Fisheries Act (FA). Information is provided on the company name, location, charge date, offence and penalty.

Government Publication Date: 1988-Jun 2007*

Contaminated Sites on Federal Land: Federal FCS

The Federal Contaminated Sites Inventory includes information on known federal contaminated sites under the custodianship of departments, agencies and consolidated Crown corporations as well as those that are being or have been investigated to determine whether they have contamination arising from past use that could pose a risk to human health or the environment. The inventory also includes non-federal contaminated sites for which the Government of Canada has accepted some or all financial responsibility. It does not include sites where contamination has been caused by, and which are under the control of, enterprise Crown corporations, private individuals, firms or other levels of government. Includes fire training sites and sites at which Per- and Polyfluoroalkyl Substances (PFAS) are a concern.

Government Publication Date: Jun 2000-Apr 2022

Fisheries & Oceans Fuel Tanks: Federal FOFT

Fisheries & Oceans Canada maintains an inventory of aboveground & underground fuel storage tanks located on Fisheries & Oceans property or controlled by DFO. Our inventory provides information on the site name, location, tank owner, tank operator, facility type, storage tank location, tank contents & capacity, and date of tank installation.

Government Publication Date: 1964-Sep 2019

Federal Identification Registry for Storage Tank Systems (FIRSTS): Federal FRST

A list of federally regulated Storage tanks from the Federal Identification Registry for Storage Tank Systems (FIRSTS). FIRSTS is Environment and Climate Change Canada's database of storage tank systems subject to the Storage Tank for Petroleum Products and Allied Petroleum Products Regulations. The main objective of the Regulations is to prevent soil and groundwater contamination from storage tank systems located on federal and aboriginal lands. Storage tank systems that do not have a valid identification number displayed in a readily visible location on or near the storage tank system may be refused product delivery.

Government Publication Date: May 31, 2018

Fuel Storage Tank: Provincial FST

List of registered private and retail fuel storage tanks. This is not a comprehensive or complete inventory of private and retail fuel storage tanks in the province; this listing is a copy of registered private and retail fuel storage tanks, obtained under Access to Public Information.
Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2022

Fuel Storage Tank - Historic: Provincial FSTH

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks. Public records of private fuel storage tanks are only available since the registration became effective in September 1989. This information is now collected by the Technical Standards and Safety Authority.

Government Publication Date: Pre-Jan 2010*

Ontario Regulation 347 Waste Generators Summary: Provincial GEN

Regulation 347 of the Ontario EPA defines a waste generation site as any site, equipment and/or operation involved in the production, collection, handling and/or storage of regulated wastes. A generator of regulated waste is required to register the waste generation site and each waste produced, collected, handled, or stored at the site. This database contains the registration number, company name and address of registered generators including the types of hazardous wastes generated. It includes data on waste generating facilities such as: drycleaners, waste treatment and disposal facilities, machine shops, electric power distribution etc. This information is a summary of all years from 1986 including the most currently available data. Some records may contain, within the company name, the phrase "See & Use..." followed by a series of letters and numbers. This occurs when one company is amalgamated with or taken over by another registered company. The number listed as "See & Use", refers to the new ownership and the other identification number refers to the original ownership. This phrase serves as a link between the 2 companies until operations have been fully transferred.

Government Publication Date: 1986-Feb 28, 2022

Greenhouse Gas Emissions from Large Facilities: Federal GHG

List of greenhouse gas emissions from large facilities made available by Environment Canada. Greenhouse gas emissions in kilotonnes of carbon dioxide equivalents (kt CO2 eq).

Government Publication Date: 2013-Dec 2019

TSSA Historic Incidents: Provincial HINC

List of historic incidences of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen recorded by the TSSA in their previous incident tracking system. The TSSA's Fuels Safety Program administers the Technical Standards & Safety Act 2000, providing fuel-related safety services associated with the safe transportation, storage, handling and use of fuels such as gasoline, diesel, propane, natural gas and hydrogen. Under this Act, the TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of historical fuel spills and leaks in the province. This listing is a copy of the data captured at one moment in time and is hence limited by the record date provided here.

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks: Federal IAFT

The Department of Indian & Northern Affairs Canada (INAC) maintains an inventory of aboveground & underground fuel storage tanks located on both federal and crown land. Our inventory provides information on the reserve name, location, facility type, site/facility name, tank type, material & ID number, tank contents & capacity, and date of tank installation.

Government Publication Date: 1950-Aug 2003*

Fuel Oil Spills and Leaks: Provincial INC

Listing of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen reported to the Spills Action Centre (SAC). This is not a comprehensive or complete inventory of fuel-related leaks, spills, and incidents in the province; this listing in a copy of incidents reported to the SAC, obtained under Access to Public Information. Includes incidents from fuel-related hazards such as spills, fires, and explosions. Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2022

Landfill Inventory Management Ontario: Provincial LIMO

The Landfill Inventory Management Ontario (LIMO) database is updated every year, as the Ministry of the Environment, Conservation and Parks compiles new and updated information. Includes small and large landfills currently operating as well as those which are closed and historic. Operators of larger landfills provide landfill information for the previous operating year to the ministry for LIMO including: estimated amount of total waste received, landfill capacity, estimated total remaining landfill capacity, fill rates, engineering designs, reporting and monitoring details, size of location, service area, approved waste types, leachate of site treatment, contaminant attenuation zone and more. The small landfills include information such as site owner, site location and certificate of approval # and status.

Government Publication Date: Feb 28, 2019

Canadian Mine Locations: Private MINE

This information is collected from the Canadian & American Mines Handbook. The Mines database is a national database that provides over 290 listings on mines (listed as public companies) dealing primarily with precious metals and hard rocks. Listed are mines that are currently in operation, closed, suspended, or are still being developed (advanced projects). Their locations are provided as geographic coordinates (x, y and/or longitude, latitude). As of 2002, data pertaining to Canadian smelters and refineries has been appended to this database.

Government Publication Date: 1998-2009*

Mineral Occurrences: Provincial MNR

In the early 70's, the Ministry of Northern Development and Mines created an inventory of approximately 19,000 mineral occurrences in Ontario, in regard to metallic and industrial minerals, as well as some information on building stones and aggregate deposits. Please note that the "Horizontal Positional Accuracy" is approximately +/- 200 m. Many reference elements for each record were derived from field sketches using pace or chain/tape measurements against claim posts or topographic features in the area. The primary limiting factor for the level of positional accuracy is the scale of the source material. The testing of horizontal accuracy of the source materials was accomplished by comparing the plan metric (X and Y) coordinates of that point with the coordinates of the same point as defined from a source of higher accuracy.

Government Publication Date: 1846-Feb 2022

National Analysis of Trends in Emergencies System (NATES): Federal NATE

In 1974 Environment Canada established the National Analysis of Trends in Emergencies System (NATES) database, for the voluntary reporting of significant spill incidents. The data was to be used to assist in directing the work of the emergencies program. NATES ran from 1974 to 1994. Extensive information is available within this database including company names, place where the spill occurred, date of spill, cause, reason and source of spill, damage incurred, and amount, concentration, and volume of materials released.

Government Publication Date: 1974-1994*

Non-Compliance Reports: Provincial NCPL

The Ministry of the Environment provides information about non-compliant discharges of contaminants to air and water that exceed legal allowable limits, from regulated industrial and municipal facilities. A reported non-compliance failure may be in regard to a Control Order, Certificate of Approval, Sectoral Regulation or specific regulation/act.

Government Publication Date: Dec 31, 2020

National Defense & Canadian Forces Fuel Tanks: Federal NDFT

The Department of National Defense and the Canadian Forces maintains an inventory of all aboveground & underground fuel storage tanks located on DND lands. Our inventory provides information on the base name, location, tank type & capacity, tank contents, tank class, date of tank installation, date tank last used, and status of tank as of May 2001. This database will no longer be updated due to the new National Security protocols which have prohibited any release of this database.

Government Publication Date: Up to May 2001*

National Defense & Canadian Forces Spills: Federal NDSP

The Department of National Defense and the Canadian Forces maintains an inventory of spills to land and water. All spill sites have been classified under the "Transportation of Dangerous Goods Act - 1992". Our inventory provides information on the facility name, location, spill ID #, spill date, type of spill, as well as the quantity of substance spilled & recovered.

Government Publication Date: Mar 1999-Apr 2018

National Defence & Canadian Forces Waste Disposal Sites: Federal NDWD

The Department of National Defence and the Canadian Forces maintains an inventory of waste disposal sites located on DND lands. Where available, our inventory provides information on the base name, location, type of waste received, area of site, depth of site, year site opened/closed and status.

Government Publication Date: 2001-Apr 2007*

National Energy Board Pipeline Incidents: Federal NEBI

Locations of pipeline incidents from 2008 to present, made available by the Canada Energy Regulator (CER) - previously the National Energy Board (NEB). Includes incidents reported under the Onshore Pipeline Regulations and the Processing Plant Regulations related to pipelines under federal jurisdiction, does not include incident data related to pipelines under provincial or territorial jurisdiction.

Government Publication Date: 2008-Jun 30, 2021

National Energy Board Wells: Federal NEBP

The NEBW database contains information on onshore & offshore oil and gas wells that are outside provincial jurisdiction(s) and are thereby regulated by the National Energy Board. Data is provided regarding the operator, well name, well ID No./UWI, status, classification, well depth, spud and release date.

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES): Federal NEES

In 2000, the Emergencies program implemented NEES, a reporting system for spills of hazardous substances. For the most part, this system only captured data from the Atlantic Provinces, some from Quebec and Ontario and a portion from British Columbia. Data for Alberta, Saskatchewan, Manitoba and the Territories was not captured. However, NEES is also a repository for previous Environment Canada spill datasets. NEES is composed of the historic datasets ' or Trends ' which dates from approximately 1974 to present. NEES Trends is a compilation of historic databases, which were merged and includes data from NATES (National Analysis of Trends in Emergencies System), ARTS (Atlantic Regional Trends System), and NEES. In 2001, the Emergencies Program determined that variations in reporting regimes and requirements between federal and provincial agencies made national spill reporting and trend analysis difficult to achieve. As a consequence, the department has focused efforts on capturing data on spills of substances which fall under its legislative authority only (CEPA and FA). As such, the NEES database will be decommissioned in December 2004.

Government Publication Date: 1974-2003*

National PCB Inventory: Federal NPCB

Environment Canada's National PCB inventory includes information on in-use PCB containing equipment in Canada including federal, provincial and private facilities. Federal out-of-service PCB containing equipment and PCB waste owned by the federal government or by federally regulated industries such as airlines, railway companies, broadcasting companies, telephone and telecommunications companies, pipeline companies, etc. are also listed. Although it is not Environment Canada's mandate to collect data on non-federal PCB waste, the National PCB inventory includes some information on provincial and private PCB waste and storage sites. Some addresses provided may be Head Office addresses and are not necessarily the location of where the waste is being used or stored.

Government Publication Date: 1988-2008*

National Pollutant Release Inventory: Federal NPRI

Environment Canada has defined the National Pollutant Release Inventory ("NPRI") as a federal government initiative designed to collect comprehensive national data regarding releases to air, water, or land, and waste transfers for recycling for more than 300 listed substances.

Government Publication Date: 1993-May 2017

Oil and Gas Wells: Private OGWE

The Nickle's Energy Group (publisher of the Daily Oil Bulletin) collects information on drilling activity including operator and well statistics. The well information database includes name, location, class, status and depth. The main Nickle's database is updated on a daily basis, however, this database is updated on a monthly basis. More information is available at www.nickles.com.

Government Publication Date: 1988-Feb 28, 2022

Ontario Oil and Gas Wells: Provincial OOGW

In 1998, the MNR handed over to the Ontario Oil, Gas and Salt Resources Corporation, the responsibility of maintaining a database of oil and gas wells drilled in Ontario. The OGSR Library has over 20,000+ wells in their database. Information available for all wells in the ERIS database include well owner/operator, location, permit issue date, and well cap date, license No., status, depth and the primary target (rock unit) of the well being drilled. All geology/stratigraphy table information, plus all water table information is also provide for each well record.

Government Publication Date: 1800-Jan 2021

Inventory of PCB Storage Sites: Provincial OPCB

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of PCB storage sites within the province. Ontario Regulation 11/82 (Waste Management - PCB) and Regulation 347 (Generator Waste Management) under the Ontario EPA requires the registration of inactive PCB storage equipment and/or disposal sites of PCB waste with the Ontario Ministry of Environment. This database contains information on: 1) waste quantities; 2) major and minor sites storing liquid or solid waste; and 3) a waste storage inventory.

Government Publication Date: 1987-Oct 2004; 2012-Dec 2013

Orders: Provincial ORD

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all Orders on the registry such as (EPA s. 17) - Order for remedial work, (EPA s. 18) - Order for preventative measures, (EPA s. 43) - Order for removal of waste and restoration of site, (EPA s. 44) - Order for conformity with Act for waste disposal sites, (EPA s. 136) - Order for performance of environmental measures.

Government Publication Date: 1994 - Apr 30, 2022

Canadian Pulp and Paper: Private PAP

This information is part of the Pulp and Paper Canada Directory. The Directory provides a comprehensive listing of the locations of pulp and paper mills and the products that they produce.

Government Publication Date: 1999, 2002, 2004, 2005, 2009-2014

Parks Canada Fuel Storage Tanks: Federal PCFT

Canadian Heritage maintains an inventory of known fuel storage tanks operated by Parks Canada, in both National Parks and at National Historic Sites. The database details information on site name, location, tank install/removal date, capacity, fuel type, facility type, tank design and owner/operator.

Government Publication Date: 1920-Jan 2005*

Pesticide Register: Provincial PES

The Ontario Ministry of the Environment and Climate Change maintains a database of licensed operators and vendors of registered pesticides.

Government Publication Date: Oct 2011- Apr 30, 2022

Pipeline Incidents: Provincial PINC

List of pipeline incidents (strikes, leaks, spills). This is not a comprehensive or complete inventory of pipeline incidents in the province; this listing in an historical copy of records previously obtained under Access to Public Information. Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2021

Private and Retail Fuel Storage Tanks: Provincial PRT

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks and licensed retail fuel outlets. This database includes an inventory of locations that have gasoline, oil, waste oil, natural gas and/or propane storage tanks on their property. The MCCR no longer collects this information. This information is now collected by the Technical Standards and Safety Authority (TSSA).

Government Publication Date: 1989-1996*

Permit to Take Water: Provincial PTTW

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all PTTW's on the registry such as OWRA s. 34 - Permit to take water.

Government Publication Date: 1994 - Apr 30, 2022

Ontario Regulation 347 Waste Receivers Summary: Provincial REC

Part V of the Ontario Environmental Protection Act ("EPA") regulates the disposal of regulated waste through an operating waste management system or a waste disposal site operated or used pursuant to the terms and conditions of a Certificate of Approval or a Provisional Certificate of Approval. Regulation 347 of the Ontario EPA defines a waste receiving site as any site or facility to which waste is transferred by a waste carrier. A receiver of regulated waste is required to register the waste receiving facility. This database represents registered receivers of regulated wastes, identified by registration number, company name and address, and includes receivers of waste such as: landfills, incinerators, transfer stations, PCB storage sites, sludge farms and water pollution control plants. This information is a summary of all years from 1986 including the most currently available data.

Government Publication Date: 1986-1990, 1992-2019

Record of Site Condition: Provincial RSC

The Record of Site Condition (RSC) is part of the Ministry of the Environment's Brownfields Environmental Site Registry. Protection from environmental cleanup orders for property owners is contingent upon documentation known as a record of site condition (RSC) being filed in the Environmental Site Registry. In order to file an RSC, the property must have been properly assessed and shown to meet the soil, sediment and groundwater standards appropriate for the use (such as residential) proposed to take place on the property. The Record of Site Condition Regulation (O. Reg. 153/04) details requirements related to site assessment and clean up.
RSCs filed after July 1, 2011 will also be included as part of the new (O.Reg. 511/09).

Government Publication Date: 1997-Sept 2001, Oct 2004-Apr 2022

Retail Fuel Storage Tanks: Private RST

This database includes an inventory of retail fuel outlet locations (including marinas) that have on their property gasoline, oil, waste oil, natural gas and / or propane storage tanks.

Government Publication Date: 1999-Sep 30, 2021

Scott's Manufacturing Directory: Private SCT

Scott's Directories is a data bank containing information on over 200,000 manufacturers across Canada. Even though Scott's listings are voluntary, it is the most comprehensive database of Canadian manufacturers available. Information concerning a company's address, plant size, and main products are included in this database.

Government Publication Date: 1992-Mar 2011*

Ontario Spills: Provincial SPL

List of spills and incidents made available the Ministry of the Environment, Conservation and Parks. This database identifies information such as location (approximate), type and quantity of contaminant, date of spill, environmental impact, cause, nature of impact, etc. Information from 1988-2002 was part of the ORIS (Occurrence Reporting Information System). The SAC (Spills Action Centre) handles all spills reported in Ontario. Regulations for spills in Ontario are part of the MOE's Environmental Protection Act, Part X. The Ministry of the Environment, Conservation and Parks cites the coronavirus pandemic as an explanation for delays in releasing data pursuant to requests.

Government Publication Date: 1988-Sep 2020; Dec 2020-Mar 2021

Wastewater Discharger Registration Database: Provincial SRDS

Information under this heading is combination of the following 2 programs. The Municipal/Industrial Strategy for Abatement (MISA) division of the Ontario Ministry of Environment maintained a database of all direct dischargers of toxic pollutants within nine sectors including: Electric Power Generation; Mining; Petroleum Refining; Organic Chemicals; Inorganic Chemicals; Pulp & Paper; Metal Casting; Iron & Steel; and Quarries. All sampling information is now collected and stored within the Sample Result Data Store (SRDS).

Government Publication Date: 1990-Dec 31, 2019

Anderson's Storage Tanks: Private TANK

The information provided in this database was collected by examining various historical documents, which identified the location of former storage tanks, containing substances such as fuel, water, gas, oil, and other various types of miscellaneous products. Information is available in regard to business operating at tank site, tank location, permit year, permit & installation type, no. of tanks installed & configuration and tank capacity. Data contained within this database pertains only to the city of Toronto and is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks: Federal TCFT

List of fuel storage tanks currently or previously owned or operated by Transport Canada. This inventory also includes tanks on The Pickering Lands, which refers to 7,530 hectares (18,600 acres) of land in Pickering, Markham, and Uxbridge owned by the Government of Canada since 1972; properties on this land has been leased by the government since 1975, and falls under the Site Management Policy of Transport Canada, but is administered by Public Works and Government Services Canada. This inventory provides information on the site name, location, tank age, capacity and fuel type.

Government Publication Date: 1970 - Dec 2020

Variances for Abandonment of Underground Storage Tanks: Provincial VAR

Listing of variances granted for storage tank abandonment. This is not a comprehensive or complete inventory of tank abandonment variances in the province; this listing is a copy of tank abandonment variance records previously obtained under Access to Public Information. In Ontario, registered underground storage tanks must be removed within two years of disuse; if removal of a tank is not feasible, an application may be sought for a variance from this code requirement.
Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2022

Waste Disposal Sites - MOE CA Inventory: Provincial WDS

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of known open (active or inactive) and closed disposal sites in the Province of Ontario. Active sites maintain a Certificate of Approval, are approved to receive and are receiving waste. Inactive sites maintain Certificate(s) of Approval but are not receiving waste. Closed sites are not receiving waste. The data contained within this database was compiled from the MOE's Certificate of Approval database. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number. All new Environmental Compliance Approvals handed out after Oct 31, 2011 for Waste Disposal Sites will still be found in this database.

Government Publication Date: Oct 2011- Apr 30, 2022

Waste Disposal Sites - MOE 1991 Historical Approval Inventory: Provincial WDSH

In June 1991, the Ontario Ministry of Environment, Waste Management Branch, published the "June 1991 Waste Disposal Site Inventory", of all known active and closed waste disposal sites as of October 30st, 1990. For each "active" site as of October 31st 1990, information is provided on site location, site/CA number, waste type, site status and site classification. For each "closed" site as of October 31st 1990, information is provided on site location, site/CA number, closure date and site classification. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number.

Government Publication Date: Up to Oct 1990*

Water Well Information System: Provincial WWIS

This database describes locations and characteristics of water wells found within Ontario in accordance with Regulation 903. It includes such information as coordinates, construction date, well depth, primary and secondary use, pump rate, static water level, well status, etc. Also included are detailed stratigraphy information, approximate depth to bedrock and the approximate depth to the water table.

Government Publication Date: Sep 30, 2021

Definitions

Database Descriptions: This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

Detail Report: This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

Distance: The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

Direction: The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

Elevation: The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

Executive Summary: This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

Map Key: The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

Unplottables: These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.