



**THURBER** ENGINEERING LTD.

**CONTAMINATION OVERVIEW STUDY  
KIRBY ROAD WIDENING  
BETWEEN JANE STREET AND DUFFERIN STREET  
CITY OF VAUGHAN, ONTARIO**

**Report**

to

**HDR Inc.**



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## **EXECUTIVE SUMMARY**

Thurber Engineering Ltd. (Thurber) was retained by HDR Inc. to prepare a Contamination Overview Study (COS) in support of the Municipal Class Environmental Assessment process for the proposed widening of Kirby Road between Jane Street and Dufferin Street in the City of Vaughan, Ontario. It is our understanding that the City of Vaughan plans to reconstruct the roadway from two to four lanes between Jane Street and Dufferin Street, grade separate the Barrie Go Rail line crossing west of Keele Street and eliminate the jog at Jane Street. It is anticipated that the rail grade separation will comprise an underpass structure conveying Kirby Road under the railway.

The “Site” consists of an approximate 4.1 kilometre section of the Kirby Road right-of-way (ROW) that extends between Jane Street and Dufferin Street where earthwork activities and materials management are anticipated to accommodate the proposed design.

The purpose of the COS was to identify evidence of actual and/or potential contamination at the Site and at adjacent properties within the Study Area which may pose implications on the management of materials generated during the proposed construction works and/or the need for property acquisitions. The Study Area for the COS was considered to include surrounding properties within a 250 m buffer from the Site alignment.

The COS consisted of a desktop review and summary of select available historical records and a reconnaissance of the Site and Study Area from publicly accessible locations. The collected information was used to assess and evaluate past and present uses, and conditions and activities within the Study Area to identify properties with potentially contaminating activities (PCAs) on the Site and the surrounding properties that may be contributors to areas of potential environmental concern (APECs) along the Site alignment.

The findings of the COS indicated that the Site has existed as a roadway since at least 1954 (the first available aerial photograph), except for the east portion of the Site alignment that was not extended easterly to Dufferin Street until between 1995 and 1999. The surrounding area generally consisted of agricultural and rural residential properties or vacant/wooded lands until approximately 1999 when two residential subdivisions existed or were under construction on the south side of Kirby Road, between Keele and Dufferin Streets. Commercial properties including a gas station, a truck centre, and golf centre appeared to be constructed to the northwest of the Kirby Road and Keele Street intersection between approximately 2005 and 2012. Industrial activities included a railway line (Barrie Go Rail Line) that crossed the Site alignment to the west



of Keele Street in a north-south direction, and a quarry used for aggregate recycling / landscaping materials / transfer station to the east of Dufferin Street and beyond the Site alignment.

Based on the review and evaluation of information obtained through the COS, PCAs at six locations were identified at the Site or within the Study Area that are considered to be contributors to APECs on the Site.

The identified on-Site PCA contributors generally included the application of de-icing salts, potential fill materials and possible vehicle fluid releases, and a railway line crossing (Barrie Go Railway Line). Off-Site PCA contributors included a gas station, a truck service centre, and the potential application of pesticides on the adjacent agricultural fields and golf centre lands.

The contaminants of potential concern for the corresponding PCAs contributing to APECs included metals and inorganics, petroleum hydrocarbons (PHCs), benzene, toluene, ethylbenzene and xylenes (BTEX), polycyclic aromatic hydrocarbons (PAHs), volatile organic compounds (VOCs), polychlorinated biphenyls (PCBs) and organochlorine (OCs) pesticides and herbicides.

A subsurface investigation involving sampling and analysis of soil and groundwater within the excavation depths for the proposed construction works is recommended to confirm or refute the potential for contamination from the identified PCAs and associated APECs for portions of the Site to assist in management of excess soil and/or in future planning for potential land acquisitions.



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## 1 INTRODUCTION

Thurber Engineering Ltd. (Thurber) was retained by HDR Inc. to prepare a Contamination Overview Study (COS) in support of the Municipal Class Environmental Assessment process for the proposed widening of Kirby Road between Jane Street and Dufferin Street in the City of Vaughan, Ontario. It is our understanding that the City of Vaughan (the City) plans to reconstruct the roadway from two to four lanes between Jane Street and Dufferin Street (the Site), grade separate the Barrie Go Rail line crossing west of Keele Street and eliminate the jog at Jane Street. It is anticipated that the rail grade separation will comprise an underpass structure conveying Kirby Road under the railway.

The Site is an approximate 4.1 kilometre (km) section of the Kirby Road right-of-way (ROW) that extends between Jane Street and Dufferin Street where earthwork activities and materials management are anticipated to accommodate the proposed design. The location and approximate boundary of the Site are shown on Drawing 26130-1.

The purpose of the COS is to identify evidence of actual and/or potential contamination at the Site and at adjacent properties within the Study Area which may pose implications on the management of materials generated during the proposed construction works and/or the need for property acquisitions. It is noted that specific land parcels that need to be acquired may require the completion of O Reg. 153/04 Environmental Site Assessments.

The Study Area for the COS was considered to include surrounding properties within a 250 m buffer from the Site alignment.

It is a condition of this report that Thurber's performance of its professional services is subject to the attached Statement of Limitations and Conditions.

This Report uses the International System of Units (SI Units).

### 1.1 Scope of Work

The COS comprised the following tasks:

- Provide a general description of the Site;
- Conduct a desktop review of various historical records pertaining to the Site and surrounding properties within the Study Area to obtain an understanding of the Site, and past and present uses, conditions and activities within the Study Area;



- Conduct a “windshield-level” Site Reconnaissance to observe existing property uses and conditions at the Site and within the Study Area from publicly accessible areas;
- Review and evaluate the findings of the records review and Site Reconnaissance to identify properties within the Study Area with past and present potentially contaminating activities (PCAs) that may be contributors to areas of potential environmental concern (APECs) at the Site; and,
- Prepare this report documenting the activities, findings and conclusions of the COS.

## **2 SITE DESCRIPTION**

The approximate 4.1 km section of Kirby Road that comprises the Site extends between Jane Street and Dufferin Street. The Barrie Go Rail line crosses the Site alignment to the west of Keele Street in a north to south direction. The approximate project limits of the Site and the surrounding land uses are presented on Drawing 26130-2.

The grade of the road alignment is undulating and gently rises from approximate Elevation 270 m near Jane Street to approximate Elevation 278 m near the mid-point between Jane and Keele Streets where the grade further rises approximately 20 m to Keele Street (approximate Elevation 300 m). To the east of Keele Street, the ground surface rises approximately 12 m to about Elevation 312 m over a distance of approximately 750 m where the road appears to extend through a possible “cut” area. The road profile then slopes down approximately 25 m to about Elevation 285 m to the east near a low-lying wooded area, beyond which the road again rises up approximately 15 m to Dufferin Street (near approximate Elevation 300 m).

A review of an Oak Ridges Moraine Map prepared by Ministry of Natural Resources and Forestry identified the wooded area as a Natural Heritage System that extends through the eastern portion of the Site alignment (i.e. between Keele and Dufferin Streets).

At the time of the Site Reconnaissance, the Site was asphalt paved within the travelled portion of the ROW, with narrow gravel shoulders and grass, weeds and shrubs in the adjacent ditches and swales. The Study Area generally consisted of agricultural lands with rural residential and farm structures, residential subdivisions to the south of Kirby Road and east of Keele Street, and random commercial, institutional and industrial (railway crossing and quarry) land uses.

## **3 EVALUATION OF INFORMATION**

The following factors were considered by Thurber during the records review and Site Reconnaissance to evaluate if an identified PCA within the Study Area is a contributor to an APEC at the Site:



- Property use (i.e. agricultural/other, residential, parkland, institutional, industrial, commercial or community);
- Magnitude and nature of the activity [i.e. volume of spills, anticipated quantities of waste generation, presence of above ground storage tanks (ASTs) or underground storage tanks (USTs), quantities of polychlorinated biphenyls (PCB) storage, housekeeping practices, age of facility / operation, etc.];
- Location (i.e. hydraulically upgradient or downgradient from the Site);
- Contaminant characteristics (i.e. toxicity, mobility in the subsurface, etc.);
- Contaminant migration potential (i.e. soil stratigraphy, depth to groundwater, vapour intrusion, etc.); and,
- Exposure (i.e. anticipated receptor and distance from PCA, transport pathways, residence time of contaminant in the subsurface, etc.).

#### **4 RECORDS REVIEW**

A records review was conducted by obtaining and reviewing the following information pertaining to the Site and surrounding properties located within the Study Area:

- Available past environmental and geotechnical reports pertaining to the Site or surrounding properties;
- Fire insurance records pertaining to the Site and surrounding properties from Opta Information Intelligence through Environmental Risk Information Service (ERIS), if any;
- City directories pertaining to the Site and selected surrounding properties from ERIS;
- An EcoLog database report from ERIS pertaining to the Site and surrounding properties;
- Aerial photographs pertaining to the Site and surrounding properties from the Region of York Interactive Map (online imagery); and,
- Various topographic, geologic and hydrogeologic maps pertaining to the regional area that contains the Site.

The COS did not include a chain-of-title search for any properties, detailed site inspections of each property, site interviews, or a Freedom of Information (FOI) request to the Ministry of Environment, Conservation, and Parks (MECP).

#### **4.1 Environmental & Geotechnical Reports**

Thurber completed a geotechnical investigation in the southwest quadrant of the Kirby Road and Keele Street intersection for the proposed Kirby GO Station as part of the Regional Express Rail





project (Thurber Report 21739 entitled “Factual Data Report, Regional Express Rail (Package 2), Kirby Go Station, Vaughan, Ontario”, dated July 4, 2018). The investigation included the advancement of 23 boreholes between February 28, 2018 and March 16, 2018 and chemical analysis on select soil and groundwater samples.

In general, the subsurface conditions consisted of topsoil with ballast and fill materials near the rail line that were underlain by silty clay till or silty sand to sandy silt which in turn were underlain by silt, silty clay and a lower deposit of silty sand.

Based on the results of analysis on select soil samples, exceedances of MECP Table 1 Standards were encountered for sodium adsorption ratio (SAR) in three samples, and petroleum hydrocarbons (PHC) Fraction F2, hexavalent chromium and cyanide (free) in three individual samples. In addition, concentrations of certain metals (i.e. copper, cobalt and nickel), benzene, total xylenes and multiple polycyclic aromatic hydrocarbons (PAHs) parameters were above the respective MECP Table 1 Standards in one sample. The samples with Table 1 Standard exceedances were generally located proximal to the rail line or Keele Street.

In comparison to MECP Table 2 Standards, the cyanide (free) concentration in a sample collected within the field near the rail line, and select PAHs (acenaphthylene, benzo(a)pyrene and dibenzo(a,h)anthracene) in a surface sample at the rail line were above the respective MECP Table 2 Standards.

The groundwater analytical results identified MECP Table 1 Standards of PHC Fraction F4 and benzo(a)pyrene and phenanthrene in two groundwater samples collected at/near the rail line, and uranium (22 µg/L) in a monitoring well located in the field to the southwest of the Kirby Road and Keele Street intersection. The concentrations of PHC Fraction F4, benzo(a)pyrene and uranium were marginally above the respective MECP Table 2 Standards. It was indicated that the above-noted exceedances of metals, PHC Fraction F4 and PAHs in groundwater may be related in part to suspended particulate in the samples and may not be representative of the environmental quality of the actual groundwater conditions.

## **4.2 Fire Insurance Plans**

Fire Insurance Plans (FIPs) were not requested as the Site and the surrounding area generally appeared to have been undeveloped or used for agricultural land, rural residential dwellings and farm structures until the mid-late 1990s. Publication of FIPs was discontinued in the 1970s.



### 4.3 City Directories

City Directories were reviewed to identify historical commercial and industrial businesses on properties within the Study Area. The reviewed directories covered the years of 1999, 1994, 1989, 1984, 1977/78, 1972/73, 1965, and 1958. A copy of the City Directory Report is presented in Appendix A.

A review of the city directories indicated that no commercial listings were identified in the Study Area for the specified years.

### 4.4 EcoLog Environmental Risk Information Services

Various provincial, federal, and private databases were searched by ERIS to obtain information for the Site and surrounding properties within the Study Area. The complete EcoLog database report, including a description of the databases searched and records found, is presented in Appendix B. The locations and corresponding relevant activities that were identified within the Study Area are summarized in Table A.

**Table A: Relevant Findings from EcoLog ERIS Report**

Municipal Address	Data Base	Findings	PCA Contributor to APEC		
			Y	N	Comments
11600 Keele Street	FSTH	Gas station with multiple gasoline and diesel tanks.	√		-
	SPL	60 L of gasoline spilled to ground in 2017.	√		-
300 Ravineview Drive	ECA	A stand-by diesel generator was reported at the premises.		√	The generator is located south of the Site in a hydraulically downgradient location.
2400 Kirby Road	SCT	Automotive repair activities were reported at Mid-Ontario Truck Centre.	√		-
75 Beaverbrook Crescent	RST	Retail fuel storage tank(s) were reported at Elimi-Tank Installer.		√	The property consisted of a residential house since its first development based on the aerial photographs.
131 Ravineview Drive	GEN	York Catholic District School Board was a registered waste generator (ON2844029). The wastes generated included waste oils and petroleum-based sludges.		√	The records indicate a possible school bus maintenance activity, however, the facility is located south of the Site in a hydraulically downgradient location.
	SPL	Motor vehicle fuel leak was reported at the school in 2017.		√	
Dufferin Street and Kirby Road	ECA	A permit was issued for installing a sanitary sewage pumping station consisting of a wet well, a sewage retention pond and associated generator/ control enclosure serving the Ravines of Maplewood subdivision.		√	The Ravines (residential subdivision) was south of Kirby Road in a hydraulically downgradient location.
300 Ravineview Drive	GEN	Sherwood Court was a registered waste generator (ON9170921). The wastes generated included paint, pigment and coating residues.		√	The facility is a long-term care centre where bulk storage of paints is not anticipated.

ECA: Environmental Compliance Approval; FSTH: Fuel Storage Tank - Historic; GEN: Ontario Regulation 347 Waste Generators Summary; RST: Retail Fuel Storage Tanks; SCT: Scott's Manufacturing Directory; SPL: Ontario Spills



## 4.5 Aerial Photographs

Aerial photographs were reviewed from the Region of York's Interactive Map<sup>1</sup> – Imagery. The available aerial photographs were reviewed on an approximate 5 to 15-year interval from the earliest available year (1954). The reviewed photographs are presented in Appendix C.

The scale of the photographs did not permit a detailed study of the Site and surrounding properties; however, the following observations were made with respect to the presence of buildings and structures, and general land uses and activities on the Site and surrounding properties within the Study Area, as presented in Table B.

**Table B: Observations of Aerial Photographs**

Aerial Photograph Observations		
Year	Site	Surrounding Properties
1954	The central and west portions of Kirby Road within the Site alignment existed at that time. The east portion of the Site alignment appeared to be undeveloped and occupied by mature trees bordering the adjoining farm lands and wooded areas.	Surrounding properties primarily consisted of agricultural lands, with associated farmhouses randomly distributed on both sides of Kirby Road. Wooded, undeveloped lands existed to the east of Dufferin Street.  The Barrie Go Rail line was observed to the west of Keele Street, crossing the Site alignment in a north-south direction.  Tributaries of the Don River West Branches were observed that meandered in a northeast – southwest direction, crossing the Site alignment within the Study Area at locations to the east of Jane Street.
1970	No significant changes observed since 1954.	Land disturbance was observed to the east of Dufferin Street in a previously wooded area [A quarry was identified at this location during the Site visit].
1988	No significant changes observed since 1954.	No significant changes from 1970.
1995	No significant changes observed since 1954.	No significant changes from 1970.
1999	Kirby Road extended further east to Dufferin Street.	Residential subdivisions appeared to be under development to the south of Kirby Road between Keele Street and Dufferin Street.  The quarry to the east of Dufferin Street appeared to be smaller with disturbed ground/vegetation noted over the majority of the property.
2005	No significant changes observed since 1999.	Activity was noted on a property on the north side of Kirby Road, to the west of the rail line (the property was identified as a golf centre during the Site Reconnaissance).  The residential subdivisions appeared to be developed.  Excavation activities at the quarry appeared to have expanded (to the east of Dufferin Street).
2012	No significant changes observed since 1999.	The gas station and truck centre were visible to the north of Kirby Road, between the Barrie Go Rail line and Keele Street.  An institutional-type property (i.e. school/yard) appeared to be developed in the residential subdivision to the south of Kirby Road and east of Keele Street.  Further expansion of the quarry (to the east of Dufferin Street) was noted.



Aerial Photograph Observations		
Year	Site	Surrounding Properties
2019	No significant changes observed since 1999.	No significant changes observed since 2012, except for an apparent expansion of the truck centre with an exterior storage yard surrounding the building.

<sup>1</sup> The aerial photographs are available on the Region of York Interactive Map (<https://ww6.yorkmaps.ca/Html5Viewer24/Index.html?configBase=https://ww6.yorkmaps.ca/Geocortex/Essentials/Essentials43/RES/T/sites/CommunityServices/viewers/YorkMaps/virtualdirectory/Resources/Config/Default>)

#### 4.6 Topography, Hydrogeology, Geology

Based on the Atlas of Canada – Toporama:

- A tributary of the Don River West Branch intersects the Site at approximately 0.8 km to the east of Jane Street. Regionally, other tributaries exist in the surrounding area that meander southwesterly towards the Don River West Branch.
- The ground surface along the alignment is undulating with approximate Elevation 300 m near Keele and Dufferin Streets, a topographic high of approximate Elevation 312 m at a ridge that is located about 750 m to the east of Keele Street, and topographic lows near Jane Street (approximate Elevation 270 m) and the Natural Heritage System to the west of Dufferin Street (approximate Elevation 285 m). Regionally, the ground surface slopes down to the south.

A review of the Physiographic Regions of Southern Ontario (Figure 19, L. J. Chapman and D. F. Putnam’s 1984 edition of the Physiography of Southern Ontario), Surficial Geology of Southern Ontario (Ontario Geological Survey 2010), and a Bedrock Geology map indicated that the Site is primarily located within the Physiographic Region of the South Slope, except for the east portion which extends into the Oak Ridges Moraine. Surficial soil deposits beneath the Site primarily consist of clay to silt-textured till that were derived from glaciolacustrine deposits or shale. However, the Moraine region is dominated by ice-contact stratified deposits that mainly consist of sand and gravel with minor silt, clay and till. The underlying bedrock typically consists of shale, limestone, dolostone and siltstone of the Georgian Bay Formation.

A general review of the water well information provided on MECP’s Water Well Records database (<https://www.ontario.ca/environment-and-energy/map-well-records>) indicated that water levels historically existed between depths of approximately 10 m to 40 m below grade at wells with approximate 20 m to 55 m deep screen intervals.



## **5 INTERVIEWS**

No persons with detailed knowledge of the current or historical activities at the Site were available to interview by Thurber as part of the COS.

## **6 SITE RECONNAISSANCE**

### **6.1 General**

A reconnaissance of the Site and Study Area was conducted on December 24, 2020 by a Thurber representative, Ms. Yidan Cui, P. Eng. The Site visit was conducted after a general review of the historical records and targeted areas of the Site and the surrounding properties that may contain potentially contaminating activities (PCAs).

The reconnaissance was documented with field notes and photographs. Select photographs (Photos 1 to 10) are included in Appendix D.

### **6.2 Limitations / Site Conditions**

The Site Reconnaissance was conducted through observations of the Site and of surrounding properties from publicly accessible sidewalks and roadways. At the time of Site visit, the weather was generally clear and the ground surfaces in landscaped and paved areas were generally dry, with occasional damp areas.

Observation of underlying soil conditions were prevented on the Site and in the Study Area covered by asphalt, vegetation and local snow cover.

### **6.3 Interior Observations**

No above ground building structures existed on the Site alignment at the time of the Site Reconnaissance.

### **6.4 Exterior Observations**

At the time of the Site Reconnaissance, Kirby Road within the project limits was a two-lane roadway that was paved with asphalt within the travelled portion of the ROW. Gravel shoulders and vegetated roadside ditches and swales generally existed on both sides of the road.



### **6.4.1 General Description**

The Site alignment that extended between Jane Street and Keele Street appeared to have recently been re-paved and in good condition (Photo 1), whereas the section of road between Keele and Dufferin Streets appeared in fair to good condition with multiple patches.

The Site alignment extended through mixed rural and residential surroundings with individual commercial, institutional and industrial properties identified in adjacent areas that generally existed near and to the east of Keele Street. In the western portion of the Site near Keele Street, commercial properties (golf centre, truck centre and gas station) existed on the north side of Kirby Road, and the Barrie Go Rail Line (industrial use) crossed Kirby Road approximately 300 m to the west of the Keele Street intersection (Photo 2). A commercial plaza and institutional land use (i.e. school) existed in the residential subdivision to the southeast of the Kirby Road and Keele Street intersection, and a quarry (industrial) was located within the Study Area to the east of Dufferin Street and the Site.

Pedestrian concrete sidewalks were observed on the south side of Kirby Road between Keele Street and Dufferin Street.

### **6.4.2 Observations of Surrounding Properties**

The adjacent lands on the north side of Kirby Road were primarily agricultural, vacant and wooded lands, except for the three commercial properties to the west of Keele Street that included the gas station at 11600 Keele Street (Photo 3), the truck centre at 2400 Kirby Road (Photo 4) and the golf centre at 2480 Kirby Road (Photo 5). South of Kirby Road, a farm property (Photo 6) was located on the east side of Jane Street at 2939 Kirby Road that may have been used in part as a contractor yard. In addition, a quarry for aggregate recycling, landscaping materials and transfer station (Photo 7) was located to the east of the Site alignment at 11333 Dufferin Street. Between Keele Street and Dufferin Street, two residential subdivisions existed on the south side of Kirby Road. A school, a long-term care facility and a community plaza existed in the residential subdivision to the southeast of the intersection of Kirby Road and Keele Street. The remaining areas to the south of Kirby Road appeared to be agricultural and/or vacant, undeveloped lands.

A former dry cleaner (Photo 8) was observed in the plaza to the southeast of Kirby Road and Keele Street with a municipal address of 11399 Keele Street. The dry cleaner was no longer in operation at the time of the Site Reconnaissance. The location of the former dry cleaner is approximately 160 m to the south of Kirby Road and east of Keele Street which is located



hydraulically downgradient and topographically lower than the Site. Based on the location and distance to the Site, the former dry cleaner is not expected to contribute to an APEC on the Site.

The potential large-scale application of pesticides on the adjacent agricultural fields and at the golf centre are considered a PCA contributor to an APEC on the Site (i.e. ditches/swales within the ROW).

The quarry to the east of Dufferin Street and the Site alignment is located in an area that is topographically lower and in an inferred hydraulically cross-gradient location in relation to the Site, and therefore, is not considered to contribute to an APEC.

### **6.4.3 Topographic, Geologic, and Hydrogeologic Conditions**

The grade of the road profile was undulating and increased from Jane Street to a topographic high that was located about 750 m to the east of Keele Street where the grade dropped down through a low-lying area (The Natural Heritage System of the Oak Ridges Moraine) in the eastern portion of the Site prior to rising up again to the grade of Dufferin Street.

The stratigraphy within the Oak Ridges Moraine (east) area of the Site would include sand and gravel deposits, whereas finer textured silt and clay till deposits would generally be predominant in the western or South Slope portion of the Site.

In general, surface water is anticipated to flow from northeast to southwest based on the orientation of the culvert pipes and the Site topographic relief, or infiltrate into the ground. Regionally, the groundwater flow direction is anticipated to be southerly following the general slope of the regional topography.

### **6.4.4 Utilities and Sewage Works**

Hydro poles with random pole-mounted transformers (Photo 1) generally existed along the south side of the road with occasional lateral overhead crossings, except for an approximate 500 m section to the west of 2480 Kirby Road (Golf Centre) where no hydro poles were observed. In addition, overhead hydro lines were routed along the north side of the Site alignment in an approximate 200 m section near and to the east of 2480 Kirby Road. Streetlights were observed on the south side of Kirby Road between Keele Street and Dufferin Street, and near the intersections with Jane Street, Keele Street and Dufferin Street.

Sanitary sewer manholes were observed on the north side of Kirby Road at the intersection of Keele Street, and on the south side of Kirby Road to the east of the intersection of Ravineview



Drive, indicating that sanitary sewers likely service the commercial properties and the residential subdivisions near and to the east of Keele Street. The rural residential and farm structures in the western portion of the Site are likely serviced by private septic systems.

Fire hydrants were observed on the north side of Kirby Road to the west of the Keele Street intersection, along the south side of Kirby Road between Ravineview Drive and Dufferin Street, and within the eastern residential subdivision. The presence of the fire hydrants indicate that these areas are likely serviced by municipal water supply.

Storm water culverts were observed approximately 800 m to the east of Jane Street (Photo 9) beneath the Site alignment, and approximately 250 m to the west of Jane Street in the Study Area which convey surface water, however, no flowing water was observed in these culvert pipes at the time of the Site visit. Culverts were also present on the north and south sides of the Site alignment where intersecting roads and/or private driveways crossed the ROW to connect to Kirby Road. Although not visible due to the site relief and thick vegetation, a culvert or drainage channel may exist near the topographic low of the Natural Heritage System near Dufferin Street.

#### **6.4.5 Wells**

No monitoring wells or drinking water wells were observed in the Study Area during the Site visit, however, multiple drinking water well records were identified within the Study Area in the MECP well records database and likely service the rural properties in the western portion of the Site where municipal water supply was not evident (i.e. no fire hydrants).

#### **6.4.6 Stained Materials**

Pavement stains that are typical of roadways were noted on the asphalt along the road, particularly between Keele and Dufferin Streets where “older” pavement was present. Otherwise significant staining was not observed on the Site Alignment, or on exposed portions of adjoining properties surrounding the Site.

No staining or evidence of spills were observed near the railway line that crosses the Site in a north-south direction to the west of Keele Street. However, the ground surface in the adjacent ditches near the crossing was covered by grass, vegetation and snow which limited an assessment of the ground conditions.





#### **6.4.7 Stressed Vegetation**

The health of the surrounding vegetation could not be ascertained at the time of the Site visit due to the dormant winter weather conditions.

#### **6.4.8 Fill**

Fill materials likely exist beneath the asphalt pavement structure, and along the rail line as indicated in the previous Geotechnical Investigation Report (2018). Otherwise, fill materials were not evident or observed on adjacent lands during the Site visit, except for off-site locations at the farm/contractor yard to the west and at the quarry to the east of the Site alignment.

#### **6.4.9 Watercourses, Ditches, or Standing Water**

A tributary of the Don River West Branch intersects the Site at approximately 0.7 km to the east of Jane Street. Regionally, other tributaries exist in the surrounding area and flow southwesterly towards the Don River West Branch. In addition, a culvert was observed approximately 250 m to the west of Jane Street in the Study Area which conveys surface water beneath the road. Also, the Natural Heritage System of the Oak Ridges Moraine meandered through a low-lying area extended through the eastern portion of the Site alignment between the topographic high to the east of Keele Street and Dufferin Street.

Roadside ditches and/or swales generally existed along both sides of the Site alignment. The ditches were covered with grass, vegetation and shrubs, however, gabion stones lined portions of the south ditch invert to the east of Keele Street.

No standing water was observed during the Site Reconnaissance.

#### **6.4.10 Roads, Parking Facilities, and Rights of Way**

Kirby Road consisted of an asphalt paved two-lane road with gravel shoulders and associated ditches. No parking facilities existed along the Site alignment, however parking existed for the adjacent commercial residential properties.

A ROW for the Barrie Rail line existed approximately 300 m to the west of the Kirby Road and Keele Street intersection.



## **6.5 Hazardous Materials / Waste Disposal**

Two solid waste bins/dumpsters were observed in the community plaza to the southeast of Kirby Road and Keele Street. The waste bins/dumpsters appeared to be used for the disposal of domestic and light commercial solid waste materials generated at the plaza. No other open storage of wastes was observed at the time of Site visit.

No hazardous materials were observed during the Site visit.

## **6.6 Aboveground and Underground Storage Tanks**

No aboveground storage tanks were observed from publicly accessible areas during the Site visit, other than random propane tanks that likely provide a fuel source for the associated houses. However, underground fuel storage tanks (USTs) would exist at the gas station that is located at the northwest corner of Keele Street and Kirby Road.

Storage silos were observed on a farm property near the southwest corner of Jane Street and Kirby Road.

## **6.7 Storage Containers and Unidentified Substances**

No storage containers or unidentified substances were observed along the Site alignment.

## **6.8 Odours**

No unusual odours were noted at the Site during the Site Reconnaissance.

## **6.9 Potable Water Supply**

No drinking water wells were observed in the Study Area during the Site visit. The residential subdivisions between Keele Street and Dufferin Street are expected to be serviced by municipal water supplies (i.e. fire hydrants exist in this area), however, the farmhouses randomly located on both sides of Kirby Road are likely serviced by private domestic water wells.

## **6.10 Special Attention Items**

A survey of special attention items, and designated and hazardous substances [i.e. acrylonitrile, arsenic, asbestos, benzene, coke oven emissions, ethylene oxide, isocyanates, lead, mercury, silica, vinyl chloride and polychlorinated biphenyls (PCBs), mould, ozone depleting substances, radon, and urea formaldehyde foam insulation] was not carried out for purposes of this COS.



However, silica should be anticipated in concrete structures, asphalt and granular materials, asbestos may be found in some asphaltic concrete pavements, and benzene may be encountered from a release of petroleum hydrocarbons or from contamination from an adjacent property.

Random pole-mounted transformers were observed on hydro poles that aligned Kirby Road, however, no staining was observed on the poles beneath the transformers along the Site alignment. A review of a google street map (from 2018) identified a former box shaped pole-mounted transformer to the east of the property entrance at the golf centre. The box shaped transformer was rust stained, although no staining was evident from the map on or near the base of the pole. In this regard, the pole-mounted transformers are not identified as a PCA contributor to an APEC along the Site alignment.

No pad-mounted transformers were observed within the Kirby Road ROW at the time of the Site visit, however, multiple pad-mounted transformers were observed in the residential subdivisions to the south of Kirby Road. A pad-mounted transformer in the plaza (Photo 10) was stained on an exposed portion of the box. Other transformers appeared to be in good condition. The general presence of these pad-mounted transformers is not expected to contribute to any APECs on the Site due to the distance and the downgradient location in relation to the Site alignment.

## **7 FINDINGS**

The COS consisted of a desktop review and summary of available historical records obtained through Region of York aerial photographs, Google Earth imagery, geologic maps, and an EcoLog ERIS search which included city directories, and federal, provincial and private environmental databases. The Site Reconnaissance included a visual assessment of the Site and of the Study Area from publicly accessible locations.

The findings of the COS indicated that the Site has existed as a roadway since at least 1954 (the first available aerial photograph), except for the east portion of the Site alignment that was not extended easterly to Dufferin Street until between 1995 and 1999. The surrounding area generally consisted of agricultural and rural residential properties or vacant/wooded lands until approximately 1999 when two residential subdivisions existed or were under construction on the south side of Kirby Road, between Keele and Dufferin Streets. Commercial properties including a gas station, a truck centre, and golf centre appeared to be constructed to the northwest of the Kirby Road and Keele Street intersection between approximately 2005 and 2012. Industrial activities included a railway line (Barrie Go Rail Line) that crossed the Site alignment to the west



of Keele Street in a north-south direction, and a quarry used for aggregate recycling / landscaping materials / transfer station to the east of Dufferin Street and beyond the Site alignment.

The collected information was used to assess and evaluate past and present uses, conditions and activities at the Site and within the project Study Area to identify potentially contaminating activities (PCAs) that result in areas of potential environmental concern (APECs) on the Site alignment. Based on an evaluation of the criteria provided in Section 3.0, PCAs that may contribute to APECs on the Site were identified, and the relative potential (i.e. low, moderate or high) to impact the subsurface soil and/or groundwater conditions at the Site was evaluated. The results are provided in Table C and presented on Drawing 26130-3.

**Table C: Summarized PCAs Contributing to APECs on Site**

APEC No.	APEC Location on Site	PCA Location	Source of Records	Findings	Rationale for APEC Determination	Potential Contaminants of Concern	Relative Potential for Impact
1	Entire Site	Entire Site	Site Visit	-Possible fill materials beneath the road ROW. -Vehicle fluid releases on the roadways.	Possible fill materials may exist beneath the roadway with unknown source(s) and chemical quality; Releases from vehicles may impact surficial soils.	Metals and Inorganics, PAHs, PHCs/BTEX, VOCs	Moderate
2	Entire Site	Entire Site	Site Visit	-Application of de-icing salts on the roadway	De-icing salt has the potential to impact the soil and groundwater beneath the Site alignment which is not considered a contaminant on Site if applied for transportation safety, however, elevated concentrations may have an impact on where excess soil may be reused.	EC and SAR in soil, sodium and chloride in groundwater	High
3	Entire Site – Ditches and Swales	Adjacent agricultural fields and golf centre lands	Site Visit, Aerial Photo	-Possible application of pesticides	Potential accumulation of pesticides in the ditches and swales along the road ROW.	Metals, Organochlorine (OC) Pesticides and Herbicides	Moderate
4	Railway crossing	Barrie Go Railway line west of Keele Street	Site Visit, Aerial Photo	-Railway line	PCA located on Site.	Metals and Inorganics, PAHs, PHCs/BTEX, PCBs, OC Pesticides	High
5	Frontage at 2400 Kirby Road	2400 Kirby Road	EcoLog, Site Visit	-Truck Centre with an associated service garage	PCA located in proximity to the Site.	Metals and Inorganics, PHCs/BTEX, VOCs, PAHs	High



APEC No.	APEC Location on Site	PCA Location	Source of Records	Findings	Rationale for APEC Determination	Potential Contaminants of Concern	Relative Potential for Impact
6	Frontage at Gas Station and Intersection of Keele Street and Kirby Road	11600 Keele Street	EcoLog, Site Visit	-Gas station with associated gas/ diesel USTs; -60 L of gasoline spilled to ground in 2017.	PCA located in proximity to the Site.	Metals and Inorganics, PHCs/BTEX, PAHs	High

## 8 CONCLUSIONS

Based on the review and evaluation of information obtained through the COS, PCAs at six locations were identified at the Site or within the Study Area that are considered to be contributors to APECs on the Site.

The identified on-Site PCA contributors generally included the application of de-icing salts, potential fill materials and possible vehicle fluid releases, and a railway line crossing (Barrie Go Railway Line). Off-Site PCA contributors included the potential application of pesticides on the adjacent agricultural fields and golf centre lands, a gas station, and a truck service centre.

The contaminants of potential concern for the corresponding PCAs contributing to APECs included metals and inorganics, petroleum hydrocarbons (PHCs), benzene, toluene, ethylbenzene and xylenes (BTEX), polycyclic aromatic hydrocarbons (PAHs), volatile organic compounds (VOCs), polychlorinated biphenyls (PCBs) and organochlorine (OCs) pesticides and herbicides.

A subsurface investigation involving sampling and analysis of soil and groundwater within the excavation depths for the proposed construction works is recommended to confirm or refute the potential for contamination from the identified PCAs and associated APECs for portions of the Site to assist in management of excess soil and/or in future planning for potential land acquisitions.



## STATEMENT OF LIMITATIONS AND CONDITIONS

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- d) Construction Services: During construction Thurber should be retained to provide field reviews. Field reviews consist of performing sufficient and timely observations of encountered conditions in order to confirm and document that the site conditions do not materially differ from those interpreted conditions considered in the preparation of the report. Adequate field reviews are necessary for Thurber to provide letters of assurance, in accordance with the requirements of many regulatory authorities.

### 6. RELEASE OF POLLUTANTS OR HAZARDOUS SUBSTANCES

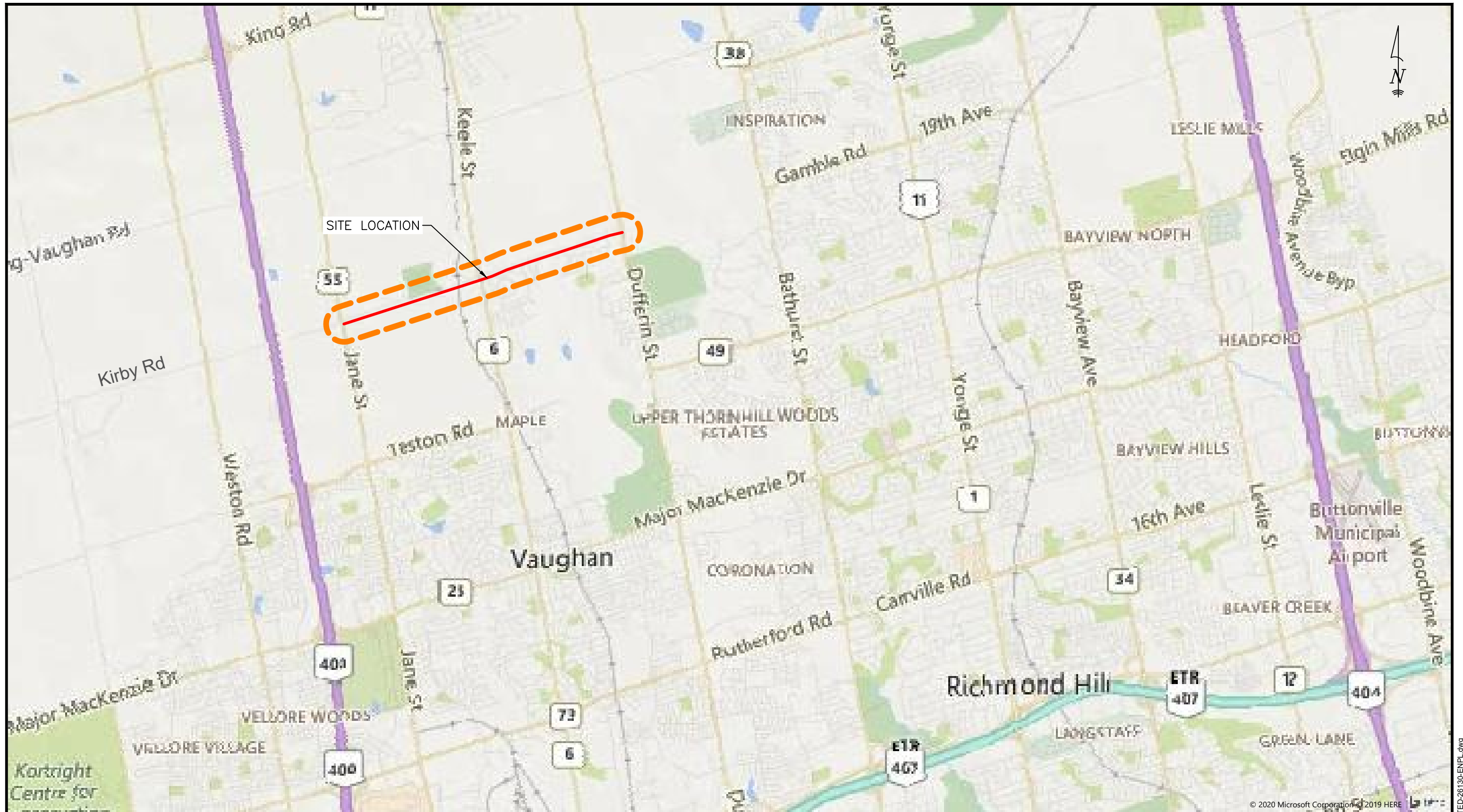
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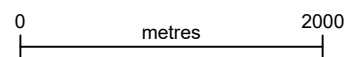


## DRAWINGS



**LEGEND:**

- APPROXIMATE PROPERTY BOUNDARY
- - - APPROXIMATE STUDY AREA (250m Buffer)




HDR Inc.

**KIRBY ROAD CLASS EA STUDY  
VAUGHAN, ONTARIO**

SITE LOCATION PLAN

JOB# 26130



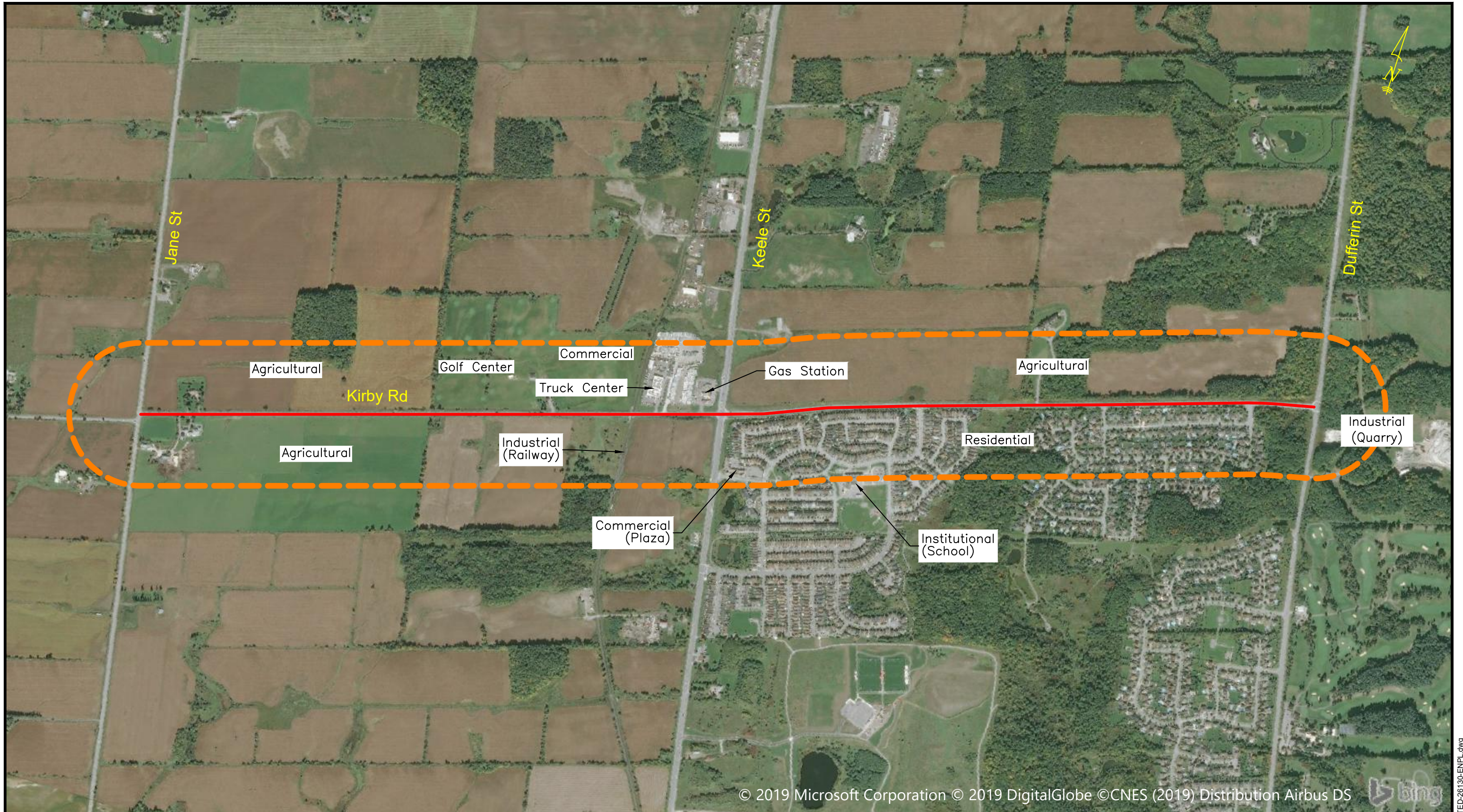
**THURBER ENGINEERING LTD.**

ENGINEER:	DRAWN:	APPROVED:
EC	MFA	PM
DATE:	SCALE:	DRAWING No.
APRIL 2020	1:50,000	26130-1

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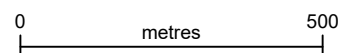




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**LEGEND:**

- APPROXIMATE PROPERTY BOUNDARY
- - - APPROXIMATE STUDY AREA (250m Buffer)




HDR Inc.

**KIRBY ROAD CLASS EA STUDY  
VAUGHAN, ONTARIO**

SITE AND SURROUNDING PROPERTY USE

JOB# 26130

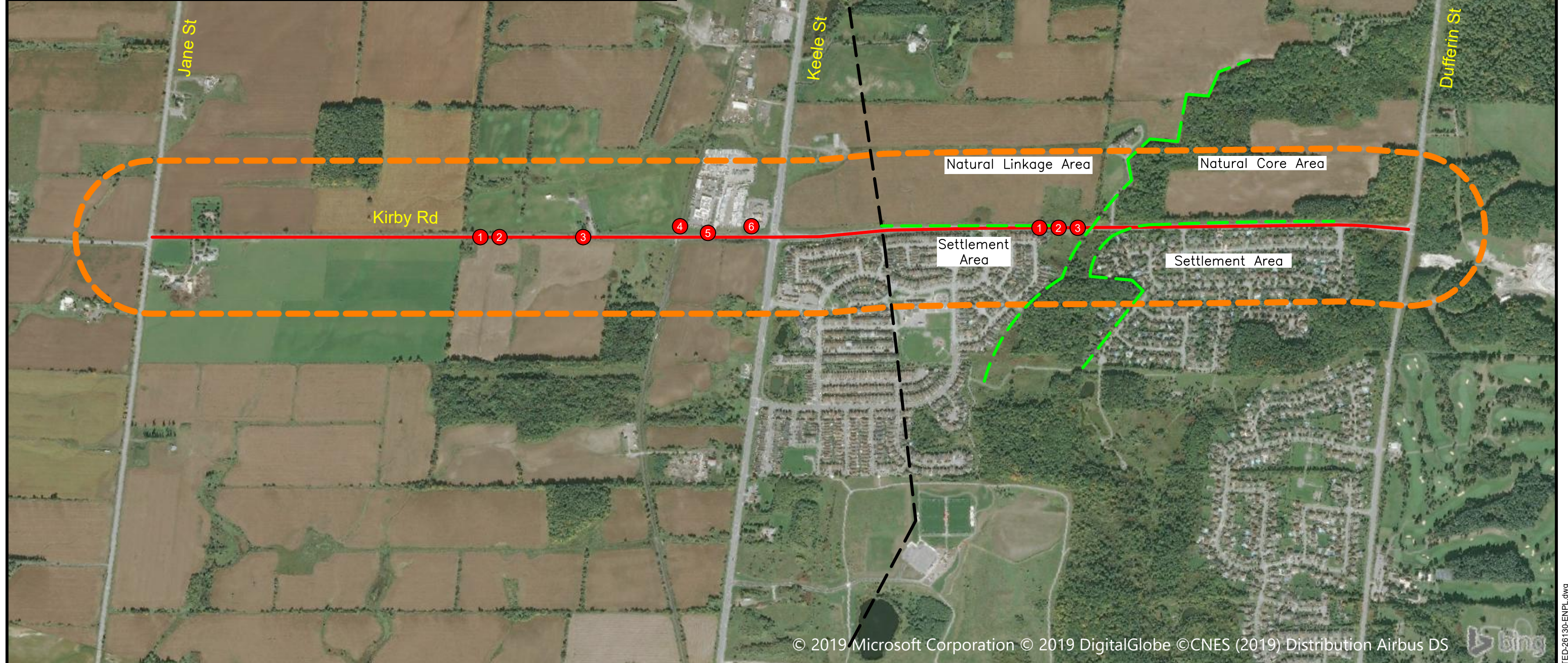


**THURBER ENGINEERING LTD.**

ENGINEER: EC	DRAWN: MFA	APPROVED: PM
DATE: APRIL 2020	SCALE: 1:12,500	DRAWING No.: 26130-2

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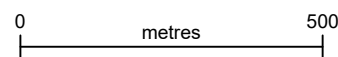
PCA#	PCA Location	Potentially Contaminating Activities
1	Entire Site	-Possible fill materials beneath the road ROW -Accidental release of vehicle fluids on roadways
2	Entire Site	-Application of de-icing salts
3	Entire Site - Ditches and Swales	-Possible application of pesticides from agricultural activities and golf center
4	Railway Crossing	-Railway line
5	Frontage of 2400 Kirby Road	-Truck centre with associated service garage
6	Frontage of 11600 Keele Street/Intersection of Keele Street and Kirby Road	-Gas station with associated gasoline and diesel tanks -60 L of gasoline spilled to ground in 2017



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**LEGEND:**

- APPROXIMATE PROPERTY BOUNDARY
- - - APPROXIMATE STUDY AREA (250m Buffer)
- - - APPROXIMATE OAK RIDGES MORaine BOUNDARY




HDR Inc.

**KIRBY ROAD CLASS EA STUDY  
VAUGHAN, ONTARIO**

POTENTIALLY CONTAMINATING ACTIVITIES

JOB# 26130



**THURBER ENGINEERING LTD.**

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**APPENDIX A**  
City Directory Report



---

CITY  
**DIRECTORY**

**Project Property:** *Kirby Road, Vaughan, ON*  
**Report Type:** *City Directory*  
**Order No:** *20190527025*  
**Information Source:** *Polk's York Region, ON Criss Cross City Directory*  
**Date Completed:** *19/12/2019*

<b>City Directory Information Source</b>
Polk's York Region, ON Criss Cross City Directory

<b>PROJECT NUMBER:</b> 20190527025	
<b>Site Address:</b>	Kirby Road, Vaughan, ON
<b>Year:</b> 1999	
<b>Site Listing:</b>	-No Civic Address
<b>Adjacent Properties:</b>	
<b>2000 Kirby Road</b>	-Address Not Listed
<b>2400 Kirby Road</b>	-Address Not Listed
<b>2480 Kirby Road</b>	-Residential (1 Tenant)
<b>2939 Kirby Road</b>	-Residential (1 Tenant)
<b>11610 Keele Street</b>	-Address Not Listed
<b>11600 Keele Street</b>	-Address Not Listed

<b>PROJECT NUMBER:</b> 20190527025	
------------------------------------	--

<b>Site Address:</b>	Kirby Road, Vaughan, ON
<b>Year: 1994</b>	
<b>Site Listing:</b>	-No Civic Address
<b>Adjacent Properties:</b>	
<b>2000 Kirby Road (Kirby Side)</b>	-Address Not Listed
<b>2400 Kirby Road (Kirby Side)</b>	-Address Not Listed
<b>2480 Kirby Road (Kirby Side)</b>	-Residential (1 Tenant)
<b>2939 Kirby Road (Kirby Side)</b>	-Residential (1 Tenant)
<b>11610 Keele Street</b>	-Address Not Listed
<b>11600 Keele Street</b>	-Address Not Listed

<b>PROJECT NUMBER: 20190527025</b>	
<b>Site Address:</b>	Kirby Road, Vaughan, ON
<b>Year: 1989</b>	

<b>Site Listing:</b>	-No Civic Address
<b>Adjacent Properties:</b>	
<b>2000 Kirby Road (Kirby Side)</b>	-Address Not Listed
<b>2400 Kirby Road (Kirby Side)</b>	-Address Not Listed
<b>2480 Kirby Road (Kirby Side)</b>	-Address Not Listed
<b>2939 Kirby Road (Kirby Side)</b>	-Address Not Listed
<b>11610 Keele Street</b>	-Address Not Listed
<b>11600 Keele Street</b>	-Address Not Listed

<b>PROJECT NUMBER:</b> 20190527025	
<b>Site Address:</b>	Kirby Road, Vaughan, ON
<b>Year:</b> 1984	
<b>Site Listing:</b>	-No Civic Address
<b>Adjacent Properties:</b>	

<b>2000 Kirby Road (Kirby Side)</b>	-Address Not Listed
<b>2400 Kirby Road (Kirby Side)</b>	-Address Not Listed
<b>2480 Kirby Road (Kirby Side)</b>	-Address Not Listed
<b>2939 Kirby Road (Kirby Side)</b>	-Address Not Listed
<b>11610 Keele Street</b>	-Address Not Listed
<b>11600 Keele Street</b>	-Address Not Listed

<b>PROJECT NUMBER: 20190527025</b>	
<b>Site Address:</b>	Kirby Road, Vaughan, ON
<b>Year: 1977/78</b>	
<b>Site Listing:</b>	-No Civic Address
<b>Adjacent Properties:</b>	
<b>2000 Kirby Road (Kirby Side)</b>	-Address Not Listed
<b>2400 Kirby Road (Kirby Side)</b>	-Address Not Listed



<b>2480 Kirby Road (Kirby Side)</b>	-Address Not Listed
<b>2939 Kirby Road (Kirby Side)</b>	-Address Not Listed
<b>11610 Keele Street</b>	-Address Not Listed
<b>11600 Keele Street</b>	-Address Not Listed

<b>PROJECT NUMBER: 20190527025</b>	
<b>Site Address:</b>	Kirby Road, Vaughan, ON
<b>Year: 1972/73</b>	
<b>Site Listing:</b>	-No Civic Address
<b>Adjacent Properties:</b>	
<b>2000 Kirby Road (Kirby Side)</b>	-Street Not Listed
<b>2400 Kirby Road (Kirby Side)</b>	-Street Not Listed
<b>2480 Kirby Road (Kirby Side)</b>	-Street Not Listed
<b>2939 Kirby Road (Kirby Side)</b>	-Street Not Listed

<b>11610 Keele Street</b>	-Address Not Listed
<b>11600 Keele Street</b>	-Address Not Listed

<b>PROJECT NUMBER:</b> 20190527025	
<b>Site Address:</b>	Kirby Road, Vaughan, ON
<b>Year:</b> 1965	
<b>Site Listing:</b>	-No Civic Address
<b>Adjacent Properties:</b>	
<b>2000 Kirby Road (Kirby Side)</b>	-Street Not Listed
<b>2400 Kirby Road (Kirby Side)</b>	-Street Not Listed
<b>2480 Kirby Road (Kirby Side)</b>	-Street Not Listed
<b>2939 Kirby Road (Kirby Side)</b>	-Street Not Listed
<b>11610 Keele Street</b>	-Address Not Listed
<b>11600 Keele Street</b>	-Address Not Listed

<b>PROJECT NUMBER:</b> 20190527025	
<b>Site Address:</b>	Kirby Road, Vaughan, ON
<b>Year:</b> 1958	
<b>Site Listing:</b>	-No Civic Address
<b>Adjacent Properties:</b>	
<b>2000 Kirby Road (Kirby Side)</b>	-Street Not Listed
<b>2400 Kirby Road (Kirby Side)</b>	-Street Not Listed
<b>2480 Kirby Road (Kirby Side)</b>	-Street Not Listed
<b>2939 Kirby Road (Kirby Side)</b>	-Street Not Listed
<b>11610 Keele Street</b>	-Address Not Listed
<b>11600 Keele Street</b>	-Address Not Listed

-All listings for businesses were listed as they are in the city directory.

-Listings that are residential are listed as “residential” with the number of tenants. The name of the residential tenant is not listed in the above city directory.



**APPENDIX B**  
EcoLog ERIS Report



# DATABASE REPORT

**Project Property:** *Kirby Road  
Kirby Road  
Vaughan ON*

**Project No:** *26130*

**Report Type:** *Quote - Custom-Build Your Own Report*

**Order No:** *20190527025*

**Requested by:** *Thurber Engineering Ltd-Toronto*

**Date Completed:** *December 19, 2019*

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# Executive Summary

## **Property Information:**

**Project Property:** Kirby Road  
Kirby Road Vaughan ON

**Project No:** 26130

## **Order Information:**

**Order No:** 20190527025  
**Date Requested:** May 27, 2019  
**Requested by:** Thurber Engineering Ltd-Toronto  
**Report Type:** Quote - Custom-Build Your Own Report

## **Historical/Products:**

**City Directory Search** CD - Subject Site plus 5 Adjacent Properties

## Executive Summary: Report Summary

<i>Database</i>	<i>Name</i>	<i>Searched</i>	<i>Project Property</i>	<i>Boundary to 0.25km</i>	<i>Total</i>
AAGR	<i>Abandoned Aggregate Inventory</i>	Y	0	0	0
AGR	<i>Aggregate Inventory</i>	Y	0	0	0
AMIS	<i>Abandoned Mine Information System</i>	Y	0	0	0
ANDR	<i>Anderson's Waste Disposal Sites</i>	Y	0	0	0
AST	<i>Aboveground Storage Tanks</i>	N	-	-	-
AUWR	<i>Automobile Wrecking &amp; Supplies</i>	Y	0	0	0
BORE	<i>Borehole</i>	Y	0	3	3
CA	<i>Certificates of Approval</i>	Y	0	10	10
CDRY	<i>Dry Cleaning Facilities</i>	Y	0	0	0
CFOT	<i>Commercial Fuel Oil Tanks</i>	Y	0	0	0
CHEM	<i>Chemical Register</i>	Y	0	0	0
CNG	<i>Compressed Natural Gas Stations</i>	Y	0	0	0
COAL	<i>Inventory of Coal Gasification Plants and Coal Tar Sites</i>	Y	0	0	0
CONV	<i>Compliance and Convictions</i>	Y	0	0	0
CPU	<i>Certificates of Property Use</i>	Y	0	0	0
DRL	<i>Drill Hole Database</i>	Y	0	0	0
EASR	<i>Environmental Activity and Sector Registry</i>	Y	0	0	0
EBR	<i>Environmental Registry</i>	Y	0	0	0
ECA	<i>Environmental Compliance Approval</i>	Y	0	8	8
EEM	<i>Environmental Effects Monitoring</i>	Y	0	0	0
EHS	<i>ERIS Historical Searches</i>	Y	0	6	6
EIIS	<i>Environmental Issues Inventory System</i>	Y	0	0	0
EMHE	<i>Emergency Management Historical Event</i>	Y	0	0	0
EPAR	<i>Environmental Penalty Annual Report</i>	Y	0	0	0
EXP	<i>List of Expired Fuels Safety Facilities</i>	Y	0	0	0
FCON	<i>Federal Convictions</i>	Y	0	0	0
FCS	<i>Contaminated Sites on Federal Land</i>	Y	0	0	0
FED TANKS	<i>Federal Identification Registry for Storage Tank Systems (FIRSTS)</i>	N	-	-	-
FOFT	<i>Fisheries &amp; Oceans Fuel Tanks</i>	Y	0	0	0
FST	<i>Fuel Storage Tank</i>	Y	0	4	4
FSTH	<i>Fuel Storage Tank - Historic</i>	Y	0	2	2
GEN	<i>Ontario Regulation 347 Waste Generators Summary</i>	Y	0	3	3
GHG	<i>Greenhouse Gas Emissions from Large Facilities</i>	Y	0	0	0
HINC	<i>TSSA Historic Incidents</i>	Y	0	2	2
IAFT	<i>Indian &amp; Northern Affairs Fuel Tanks</i>	Y	0	0	0
INC	<i>Fuel Oil Spills and Leaks</i>	Y	0	0	0



<b>Database</b>	<b>Name</b>	<b>Searched</b>	<b>Project Property</b>	<b>Boundary to 0.25km</b>	<b>Total</b>
LIMO	<i>Landfill Inventory Management Ontario</i>	Y	0	0	0
MINE	<i>Canadian Mine Locations</i>	Y	0	0	0
MNR	<i>Mineral Occurrences</i>	Y	0	0	0
NATE	<i>National Analysis of Trends in Emergencies System (NATES)</i>	Y	0	0	0
NCPL	<i>Non-Compliance Reports</i>	Y	0	0	0
NDFT	<i>National Defense &amp; Canadian Forces Fuel Tanks</i>	Y	0	0	0
NDSP	<i>National Defense &amp; Canadian Forces Spills</i>	Y	0	0	0
NDWD	<i>National Defence &amp; Canadian Forces Waste Disposal Sites</i>	Y	0	0	0
NEBI	<i>National Energy Board Pipeline Incidents</i>	Y	0	0	0
NEBP	<i>National Energy Board Wells</i>	Y	0	0	0
NEES	<i>National Environmental Emergencies System (NEES)</i>	Y	0	0	0
NPCB	<i>National PCB Inventory</i>	Y	0	0	0
NPRI	<i>National Pollutant Release Inventory</i>	Y	0	0	0
OGWE	<i>Oil and Gas Wells</i>	Y	0	0	0
OOGW	<i>Ontario Oil and Gas Wells</i>	Y	0	0	0
OPCB	<i>Inventory of PCB Storage Sites</i>	Y	0	0	0
ORD	<i>Orders</i>	Y	0	0	0
PAP	<i>Canadian Pulp and Paper</i>	Y	0	0	0
PCFT	<i>Parks Canada Fuel Storage Tanks</i>	Y	0	0	0
PES	<i>Pesticide Register</i>	Y	0	0	0
PINC	<i>Pipeline Incidents</i>	Y	0	1	1
PRT	<i>Private and Retail Fuel Storage Tanks</i>	Y	0	0	0
PTTW	<i>Permit to Take Water</i>	Y	0	0	0
REC	<i>Ontario Regulation 347 Waste Receivers Summary</i>	Y	0	0	0
RSC	<i>Record of Site Condition</i>	Y	0	1	1
RST	<i>Retail Fuel Storage Tanks</i>	Y	0	1	1
SCT	<i>Scott's Manufacturing Directory</i>	Y	0	1	1
SPL	<i>Ontario Spills</i>	Y	0	6	6
SRDS	<i>Wastewater Discharger Registration Database</i>	Y	0	0	0
TANK	<i>Anderson's Storage Tanks</i>	Y	0	0	0
TCFT	<i>Transport Canada Fuel Storage Tanks</i>	Y	0	0	0
VAR	<i>Variances for Abandonment of Underground Storage Tanks</i>	Y	0	0	0
WDS	<i>Waste Disposal Sites - MOE CA Inventory</i>	Y	0	0	0
WDSH	<i>Waste Disposal Sites - MOE 1991 Historical Approval Inventory</i>	Y	0	0	0
WWIS	<i>Water Well Information System</i>	Y	1	24	25
<b>Total:</b>			<b>1</b>	<b>72</b>	<b>73</b>

## Executive Summary: Site Report Summary - Project Property

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev diff (m)</i>	<i>Page Number</i>
<a href="#">14</a>	WWIS		Vaughan ON  <i>Well ID:</i> 7296802	WSW/0.1	-11.27	<a href="#">25</a>

## Executive Summary: Site Report Summary - Surrounding Properties

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev Diff (m)</i>	<i>Page Number</i>
<a href="#">1</a>	CA	MAPLEWOOD RAVINES LTD.	KIRBY RD./KEELE ST. VAUGHAN CITY ON	WSW/4.5	-1.36	<a href="#">28</a>
<a href="#">1</a>	CA	MAPLEWOOD RAVINES LTD.	KIRBY RD./KEELE ST./FOOTHILLS VAUGHAN CITY ON	WSW/4.5	-1.36	<a href="#">28</a>
<a href="#">1</a>	CA	MAPLEWOOD RAVINES LTD.	KEELE ST./KIRBY SIDEROAD P.S. VAUGHAN CITY ON	WSW/4.5	-1.36	<a href="#">28</a>
<a href="#">1</a>	CA	MAPLEWOOD RAVINES LTD.	KEELE ST./KIRBY SIDEROAD, SWM VAUGHAN CITY ON	WSW/4.5	-1.36	<a href="#">29</a>
<a href="#">2</a>	WWIS		VAUGHAN ON <b>Well ID:</b> 7298839	W/17.1	-1.28	<a href="#">29</a>
<a href="#">3</a>	EHS		Pt. Lot 31, Con 4 Vaughan ON	W/23.9	-1.44	<a href="#">32</a>
<a href="#">4</a>	FSTH	SUNGHI ENTERPRISES LTD O/A GAS STN	11600 KEELE ST VAUGHAN ON L6A 1S1	WNW/66.5	-3.63	<a href="#">32</a>
<a href="#">4</a>	FSTH	SUNGHI ENTERPRISES LTD O/A GAS STN	11600 KEELE ST VAUGHAN ON L6A 1S1	WNW/66.5	-3.63	<a href="#">32</a>
<a href="#">4</a>	FST	SUNCOR ENERGY PRODUCTS PARTNERSHIP	11600 KEELE ST VAUGHAN ON L6A 1S1	WNW/66.5	-3.63	<a href="#">33</a>
<a href="#">4</a>	FST	SUNCOR ENERGY PRODUCTS PARTNERSHIP	11600 KEELE ST VAUGHAN ON L6A 1S1	WNW/66.5	-3.63	<a href="#">33</a>
<a href="#">4</a>	FST	SUNCOR ENERGY PRODUCTS PARTNERSHIP	11600 KEELE ST VAUGHAN ON L6A 1S1	WNW/66.5	-3.63	<a href="#">34</a>
<a href="#">4</a>	FST	SUNCOR ENERGY PRODUCTS PARTNERSHIP	11600 KEELE ST VAUGHAN ON L6A 1S1	WNW/66.5	-3.63	<a href="#">34</a>

<b>Map Key</b>	<b>DB</b>	<b>Company/Site Name</b>	<b>Address</b>	<b>Dir/Dist (m)</b>	<b>Elev Diff (m)</b>	<b>Page Number</b>
<a href="#">4</a>	SPL	United Petroleum Transport	11600 keele street vaughan Vaughan ON	WNW/66.5	-3.63	<a href="#">34</a>
<a href="#">5</a>	BORE		ON	NNE/85.5	2.01	<a href="#">35</a>
<a href="#">6</a>	WWIS		lot 31 con 4 ON <b>Well ID:</b> 6922803	WNW/101.5	-3.57	<a href="#">36</a>
<a href="#">7</a>	HINC		11399 KEELE STREET MAPLE ON L6A 4E1	SSE/162.1	0.89	<a href="#">40</a>
<a href="#">8</a>	WWIS		lot 31 con 3 ON <b>Well ID:</b> 6906508	NNE/177.8	-4.21	<a href="#">41</a>
<a href="#">9</a>	WWIS		lot 30 con 3 ON <b>Well ID:</b> 6906496	SE/182.0	1.04	<a href="#">44</a>
<a href="#">10</a>	WWIS		lot 31 con 3 ON <b>Well ID:</b> 6923114	NNE/205.5	-5.19	<a href="#">47</a>
<a href="#">11</a>	CA	Sherwood Court LTC	300 Ravineview Drive Vaughan ON L6A 3P8	SE/246.9	-0.89	<a href="#">53</a>
<a href="#">11</a>	CA	1390958 Ontario Limited	300 Ravineview Drive Vaughan ON L6A 3P8	SE/246.9	-0.89	<a href="#">53</a>
<a href="#">11</a>	EHS		300 Ravineview Dr Vaughan ON L6A3P8	SE/246.9	-0.89	<a href="#">53</a>
<a href="#">11</a>	ECA	1390958 Ontario Limited	300 Ravineview Drive Vaughan ON N1R 3E8	SE/246.9	-0.89	<a href="#">53</a>
<a href="#">11</a>	GEN	Sherwood Court	300 Ravineview Drive Maple ON L6A 3P8	SE/246.9	-0.89	<a href="#">54</a>
<a href="#">11</a>	GEN	Sherwood Court	300 Ravineview Drive Maple ON L6A 3P8	SE/246.9	-0.89	<a href="#">54</a>

<b>Map Key</b>	<b>DB</b>	<b>Company/Site Name</b>	<b>Address</b>	<b>Dir/Dist (m)</b>	<b>Elev Diff (m)</b>	<b>Page Number</b>
<a href="#">11</a>	EHS		300 Ravineview Dr Vaughan ON L6A3P8	SE/246.9	-0.89	<a href="#">54</a>
<a href="#">12</a>	SCT	Mid-Ontario Truck Centre Ltd.	2400 Kirby Rd Maple ON L6A 4R6	W/110.9	-4.72	<a href="#">55</a>
<a href="#">13</a>	EHS		Kirby Rd And Keele St Teston ON	SW/195.5	-10.31	<a href="#">55</a>
<a href="#">15</a>	WWIS		lot 30 con 4 ON <b>Well ID:</b> 6906501	WSW/136.5	-10.75	<a href="#">55</a>
<a href="#">16</a>	RST	ELIMI-TANK INSTALLER	75 BEAVERBROOK CRES MAPLE ON L6A3T3	E/71.0	9.76	<a href="#">58</a>
<a href="#">17</a>	BORE		ON	ENE/34.6	9.69	<a href="#">58</a>
<a href="#">18</a>	GEN	York Catholic District School Board	St. Raphael the Archangel Catholic Elementary Scho 131 Ravineview Drive Maple ON L6A 3T6	E/246.7	5.74	<a href="#">59</a>
<a href="#">18</a>	SPL	York Catholic District School Board	131 Ravineview Dr, Maple Vaughan ON L6A 3T6	E/246.7	5.74	<a href="#">59</a>
<a href="#">19</a>	EHS		11390 Keele St Vaughan ON	WSW/128.5	-14.29	<a href="#">60</a>
<a href="#">20</a>	WWIS		lot 31 con 4 ON <b>Well ID:</b> 6924261	W/31.6	-15.37	<a href="#">60</a>
<a href="#">21</a>	WWIS		lot 31 con 4 MAPLE ON <b>Well ID:</b> 6929027	W/86.0	-15.22	<a href="#">65</a>
<a href="#">22</a>	EHS		SW Corner of Keele St. & Kirby Rd. Vaughan ON	WSW/246.1	-15.44	<a href="#">70</a>
<a href="#">23</a>	WWIS		lot 31 con 4 ON	W/100.3	-15.34	<a href="#">70</a>

<b>Map Key</b>	<b>DB</b>	<b>Company/Site Name</b>	<b>Address</b>	<b>Dir/Dist (m)</b>	<b>Elev Diff (m)</b>	<b>Page Number</b>
			<b>Well ID:</b> 6906612			
<a href="#">24</a>	RSC	1411069 Ontario Inc.	2480 KIRBY RD, VAUGHAN, ON, L6A 1S1, ON L6A 1S1	W/167.1	-16.40	<a href="#">72</a>
<a href="#">25</a>	WWIS		lot 30 con 4 ON <b>Well ID:</b> 6922776	WSW/20.7	-16.29	<a href="#">73</a>
<a href="#">26</a>	WWIS		lot 30 con 4 ON <b>Well ID:</b> 6906610	WSW/114.8	-20.81	<a href="#">74</a>
<a href="#">27</a>	WWIS		lot 30 con 3 ON <b>Well ID:</b> 6923931	E/202.6	-13.10	<a href="#">76</a>
<a href="#">27</a>	WWIS		lot 30 con 3 ON <b>Well ID:</b> 6923932	E/202.6	-13.10	<a href="#">78</a>
<a href="#">27</a>	WWIS		lot 30 con 3 ON <b>Well ID:</b> 6924017	E/202.6	-13.10	<a href="#">80</a>
<a href="#">28</a>	ECA	Maplewood Villages Ltd.	Part of Lot 30, Concession 3 Vaughan ON L4K 4C3	E/203.1	-13.58	<a href="#">82</a>
<a href="#">28</a>	ECA	Maplewood Villages Ltd.	Part of Lot 30, Concession 3 Vaughan ON L4K 4C3	E/203.1	-13.58	<a href="#">82</a>
<a href="#">28</a>	ECA	Mario Cortellucci and Nick Cortellucci	Part of Lots 30 & 31, Concessions 3 & 4 WYS Vaughan ON L4K 1H3	E/203.1	-13.58	<a href="#">82</a>
<a href="#">28</a>	ECA	Maplewood Villages Ltd.	Part of Lot 30, Concession 3 Vaughan ON L4K 4C3	E/203.1	-13.58	<a href="#">82</a>
<a href="#">28</a>	ECA	Mario Cortellucci and Nick Cortellucci	Part of Lots 30 & 31, Concessions 3 & 4 WYS Vaughan ON L4K 1H3	E/203.1	-13.58	<a href="#">83</a>
<a href="#">29</a>	WWIS		lot 31 con 4 ON <b>Well ID:</b> 6922660	W/44.0	-23.40	<a href="#">83</a>

<b>Map Key</b>	<b>DB</b>	<b>Company/Site Name</b>	<b>Address</b>	<b>Dir/Dist (m)</b>	<b>Elev Diff (m)</b>	<b>Page Number</b>
<a href="#">30</a>	ECA	K & K Holdings Limited	Kirby Road west of Keele St Vaughan ON L4K 1H3	W/214.2	-21.68	<a href="#">84</a>
<a href="#">31</a>	CA	K & K Holdings Limited	Kirby Road west of Keele St Vaughan ON	W/214.4	-21.68	<a href="#">84</a>
<a href="#">32</a>	BORE		ON	W/43.2	-25.37	<a href="#">84</a>
<a href="#">33</a>	SPL	The Corporation of the City of Vaughan	300 Laurentian Blvd.<UNOFFICIAL> Vaughan ON L6A 2V3	E/248.2	-22.73	<a href="#">85</a>
<a href="#">34</a>	WWIS		lot 30 con 3 ON <b>Well ID:</b> 6906505	E/77.0	-20.34	<a href="#">86</a>
<a href="#">35</a>	WWIS		lot 30 con 3 ON <b>Well ID:</b> 6906504	ENE/47.5	-17.77	<a href="#">90</a>
<a href="#">36</a>	HINC		10 FOOT HILLS ROAD MAPLE ON L6A 2V6	E/52.3	-18.94	<a href="#">93</a>
<a href="#">37</a>	WWIS		lot 30 con 3 ON <b>Well ID:</b> 6906502	E/82.5	-22.18	<a href="#">93</a>
<a href="#">38</a>	PINC		97 ADIRONDACK DR, MAPLE ON	E/108.9	-20.85	<a href="#">97</a>
<a href="#">38</a>	SPL	Enbridge Gas Distribution Inc.	97 Adirondack Drive, Maple Vaughan ON	E/108.9	-20.85	<a href="#">98</a>
<a href="#">39</a>	WWIS		lot 31 con 5 ON <b>Well ID:</b> 6922625	WSW/29.9	-27.15	<a href="#">98</a>
<a href="#">40</a>	WWIS		lot 31 con 4 ON <b>Well ID:</b> 6913971	W/100.0	-25.89	<a href="#">99</a>
<a href="#">41</a>	CA	MAPLEVIEW RAVINES LTD.	LAURENTIAN BLVD/ADIRONDACK DR. VAUGHAN CITY ON	E/113.8	-16.76	<a href="#">103</a>

<b>Map Key</b>	<b>DB</b>	<b>Company/Site Name</b>	<b>Address</b>	<b>Dir/Dist (m)</b>	<b>Elev Diff (m)</b>	<b>Page Number</b>
<a href="#">41</a>	CA	MAPLEVIEW RAVINES LTD.	LAURENTIAN BLVD/ADIRONDACK DR. VAUGHAN CITY ON	E/113.8	-16.76	<a href="#">103</a>
<a href="#">42</a>	WWIS		Vaughan ON <b>Well ID:</b> 7296803	WSW/6.4	-26.31	<a href="#">103</a>
<a href="#">43</a>	WWIS		lot 31 con 3 ON <b>Well ID:</b> 6906506	ENE/34.0	-14.89	<a href="#">107</a>
<a href="#">44</a>	SPL		LAURENTIAN ROAD AT KIRBY AND DUFFERIN SUBDIVISION<UNOFFICIAL> Vaughan ON	ENE/7.9	-11.83	<a href="#">110</a>
<a href="#">45</a>	WWIS		lot 30 con 4 ON <b>Well ID:</b> 6906611	WSW/144.1	-30.35	<a href="#">111</a>
<a href="#">46</a>	SPL	CONTRACTOR	NEW DEVELOPMENT AT KIRBY RD AND DUFFERIN STREET SANITARY SEWER VAUGHAN CITY ON	ENE/1.7	-1.86	<a href="#">114</a>
<a href="#">47</a>	CA	Maplewood Ravines	Dufferub Street & Kirby Road Vaughan ON	ENE/1.7	-1.86	<a href="#">114</a>
<a href="#">47</a>	ECA	Maplewood Ravines Ltd.	Dufferub Street & Kirby Road Vaughan ON L4K 4C3	ENE/1.7	-1.86	<a href="#">114</a>
<a href="#">48</a>	WWIS		lot 30 con 5 ON <b>Well ID:</b> 6922769	WSW/89.5	-31.30	<a href="#">115</a>



# Executive Summary: Summary By Data Source

## **BORE - Borehole**

A search of the BORE database, dated 1875-Jul 2018 has found that there are 3 BORE site(s) within approximately 0.25 kilometers of the project property.

<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
	ON	85.5	<a href="#"><u>5</u></a>
	ON	34.6	<a href="#"><u>17</u></a>
	ON	43.2	<a href="#"><u>32</u></a>

## **CA - Certificates of Approval**

A search of the CA database, dated 1985-Oct 30, 2011\* has found that there are 10 CA site(s) within approximately 0.25 kilometers of the project property.

<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
MAPLEWOOD RAVINES LTD.	KIRBY RD./KEELE ST./FOOTHILLS VAUGHAN CITY ON	4.5	<a href="#"><u>1</u></a>
MAPLEWOOD RAVINES LTD.	KEELE ST./KIRBY SIDEROAD P.S. VAUGHAN CITY ON	4.5	<a href="#"><u>1</u></a>
MAPLEWOOD RAVINES LTD.	KEELE ST./KIRBY SIDEROAD, SWM VAUGHAN CITY ON	4.5	<a href="#"><u>1</u></a>
MAPLEWOOD RAVINES LTD.	KIRBY RD./KEELE ST. VAUGHAN CITY ON	4.5	<a href="#"><u>1</u></a>
1390958 Ontario Limited	300 Ravineview Drive Vaughan ON L6A 3P8	246.9	<a href="#"><u>11</u></a>

<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
Sherwood Court LTC	300 Ravineview Drive Vaughan ON L6A 3P8	246.9	<a href="#">11</a>
K & K Holdings Limited	Kirby Road west of Keele St Vaughan ON	214.4	<a href="#">31</a>
MAPLEVIEW RAVINES LTD.	LAURENTIAN BLVD/ADIRONDACK DR. VAUGHAN CITY ON	113.8	<a href="#">41</a>
MAPLEVIEW RAVINES LTD.	LAURENTIAN BLVD/ADIRONDACK DR. VAUGHAN CITY ON	113.8	<a href="#">41</a>
Maplewood Ravines	Dufferub Street & Kirby Road Vaughan ON	1.7	<a href="#">47</a>

### **ECA - Environmental Compliance Approval**

A search of the ECA database, dated Oct 2011-Nov 30, 2019 has found that there are 8 ECA site(s) within approximately 0.25 kilometers of the project property.

<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
1390958 Ontario Limited	300 Ravineview Drive Vaughan ON N1R 3E8	246.9	<a href="#">11</a>
Mario Cortellucci and Nick Cortellucci	Part of Lots 30 & 31, Concessions 3 & 4 WYS Vaughan ON L4K 1H3	203.1	<a href="#">28</a>
Maplewood Villages Ltd.	Part of Lot 30, Concession 3 Vaughan ON L4K 4C3	203.1	<a href="#">28</a>
Mario Cortellucci and Nick Cortellucci	Part of Lots 30 & 31, Concessions 3 & 4 WYS Vaughan ON L4K 1H3	203.1	<a href="#">28</a>

<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
Maplewood Villages Ltd.	Part of Lot 30, Concession 3 Vaughan ON L4K 4C3	203.1	<a href="#"><u>28</u></a>
Maplewood Villages Ltd.	Part of Lot 30, Concession 3 Vaughan ON L4K 4C3	203.1	<a href="#"><u>28</u></a>
K & K Holdings Limited	Kirby Road west of Keele St Vaughan ON L4K 1H3	214.2	<a href="#"><u>30</u></a>
Maplewood Ravines Ltd.	Dufferub Street & Kirby Road Vaughan ON L4K 4C3	1.7	<a href="#"><u>47</u></a>

### **EHS - ERIS Historical Searches**

A search of the EHS database, dated 1999-Oct 31, 2019 has found that there are 6 EHS site(s) within approximately 0.25 kilometers of the project property.

<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
	Pt. Lot 31, Con 4 Vaughan ON	23.9	<a href="#"><u>3</u></a>
	300 Ravineview Dr Vaughan ON L6A3P8	246.9	<a href="#"><u>11</u></a>
	300 Ravineview Dr Vaughan ON L6A3P8	246.9	<a href="#"><u>11</u></a>
	Kirby Rd And Keele St Teston ON	195.5	<a href="#"><u>13</u></a>
	11390 Keele St Vaughan ON	128.5	<a href="#"><u>19</u></a>
	SW Corner of Keele St. & Kirby Rd. Vaughan ON	246.1	<a href="#"><u>22</u></a>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
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### **FST - Fuel Storage Tank**

A search of the FST database, dated Feb 28, 2017 has found that there are 4 FST site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
SUNCOR ENERGY PRODUCTS PARTNERSHIP	11600 KEELE ST VAUGHAN ON L6A 1S1	66.5	<a href="#"><u>4</u></a>
SUNCOR ENERGY PRODUCTS PARTNERSHIP	11600 KEELE ST VAUGHAN ON L6A 1S1	66.5	<a href="#"><u>4</u></a>
SUNCOR ENERGY PRODUCTS PARTNERSHIP	11600 KEELE ST VAUGHAN ON L6A 1S1	66.5	<a href="#"><u>4</u></a>
SUNCOR ENERGY PRODUCTS PARTNERSHIP	11600 KEELE ST VAUGHAN ON L6A 1S1	66.5	<a href="#"><u>4</u></a>

### **FSTH - Fuel Storage Tank - Historic**

A search of the FSTH database, dated Pre-Jan 2010\* has found that there are 2 FSTH site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
SUNGHI ENTERPRISES LTD O/A GAS STN	11600 KEELE ST VAUGHAN ON L6A 1S1	66.5	<a href="#"><u>4</u></a>
SUNGHI ENTERPRISES LTD O/A GAS STN	11600 KEELE ST VAUGHAN ON L6A 1S1	66.5	<a href="#"><u>4</u></a>

### **GEN - Ontario Regulation 347 Waste Generators Summary**

A search of the GEN database, dated 1986-Jul 31, 2019 has found that there are 3 GEN site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Sherwood Court	300 Ravineview Drive Maple ON L6A 3P8	246.9	<a href="#">11</a>
Sherwood Court	300 Ravineview Drive Maple ON L6A 3P8	246.9	<a href="#">11</a>
York Catholic District School Board	St. Raphael the Archangel Catholic Elementary Scho 131 Ravineview Drive Maple ON L6A 3T6	246.7	<a href="#">18</a>

### **HINC - TSSA Historic Incidents**

A search of the HINC database, dated 2006-June 2009\* has found that there are 2 HINC site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	11399 KEELE STREET MAPLE ON L6A 4E1	162.1	<a href="#">7</a>
	10 FOOT HILLS ROAD MAPLE ON L6A 2V6	52.3	<a href="#">36</a>

### **PINC - Pipeline Incidents**

A search of the PINC database, dated Feb 28, 2017 has found that there are 1 PINC site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	97 ADIRONDACK DR, MAPLE ON	108.9	<a href="#">38</a>

### **RSC - Record of Site Condition**

A search of the RSC database, dated 1997-Sept 2001, Oct 2004-Nov 2019 has found that there are 1 RSC site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
1411069 Ontario Inc.	2480 KIRBY RD, VAUGHAN, ON, L6A 1S1, ON L6A 1S1	167.1	<a href="#">24</a>

### **RST - Retail Fuel Storage Tanks**

A search of the RST database, dated 1999-Jul 31, 2019 has found that there are 1 RST site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
ELIMI-TANK INSTALLER	75 BEAVERBROOK CRES MAPLE ON L6A3T3	71.0	<a href="#">16</a>

### **SCT - Scott's Manufacturing Directory**

A search of the SCT database, dated 1992-Mar 2011\* has found that there are 1 SCT site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Mid-Ontario Truck Centre Ltd.	2400 Kirby Rd Maple ON L6A 4R6	110.9	<a href="#">12</a>

### **SPL - Ontario Spills**

A search of the SPL database, dated 1988-Jun 2019 has found that there are 6 SPL site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
United Petroleum Transport	11600 keele street vaughan Vaughan ON	66.5	<a href="#">4</a>
York Catholic District School Board	131 Ravineview Dr, Maple Vaughan ON L6A 3T6	246.7	<a href="#">18</a>
The Corporation of the City of Vaughan	300 Laurentian Blvd.<UNOFFICIAL> Vaughan ON L6A 2V3	248.2	<a href="#">33</a>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Enbridge Gas Distribution Inc.	97 Adirondack Drive, Maple Vaughan ON	108.9	<a href="#"><u>38</u></a>
	LAURENTIAN ROAD AT KIRBY AND DUFFERIN SUBDIVISION<UNOFFICIAL> Vaughan ON	7.9	<a href="#"><u>44</u></a>
CONTRACTOR	NEW DEVELOPMENT AT KIRBY RD AND DUFFERIN STREET SANITARY SEWER VAUGHAN CITY ON	1.7	<a href="#"><u>46</u></a>

### **WWIS - Water Well Information System**

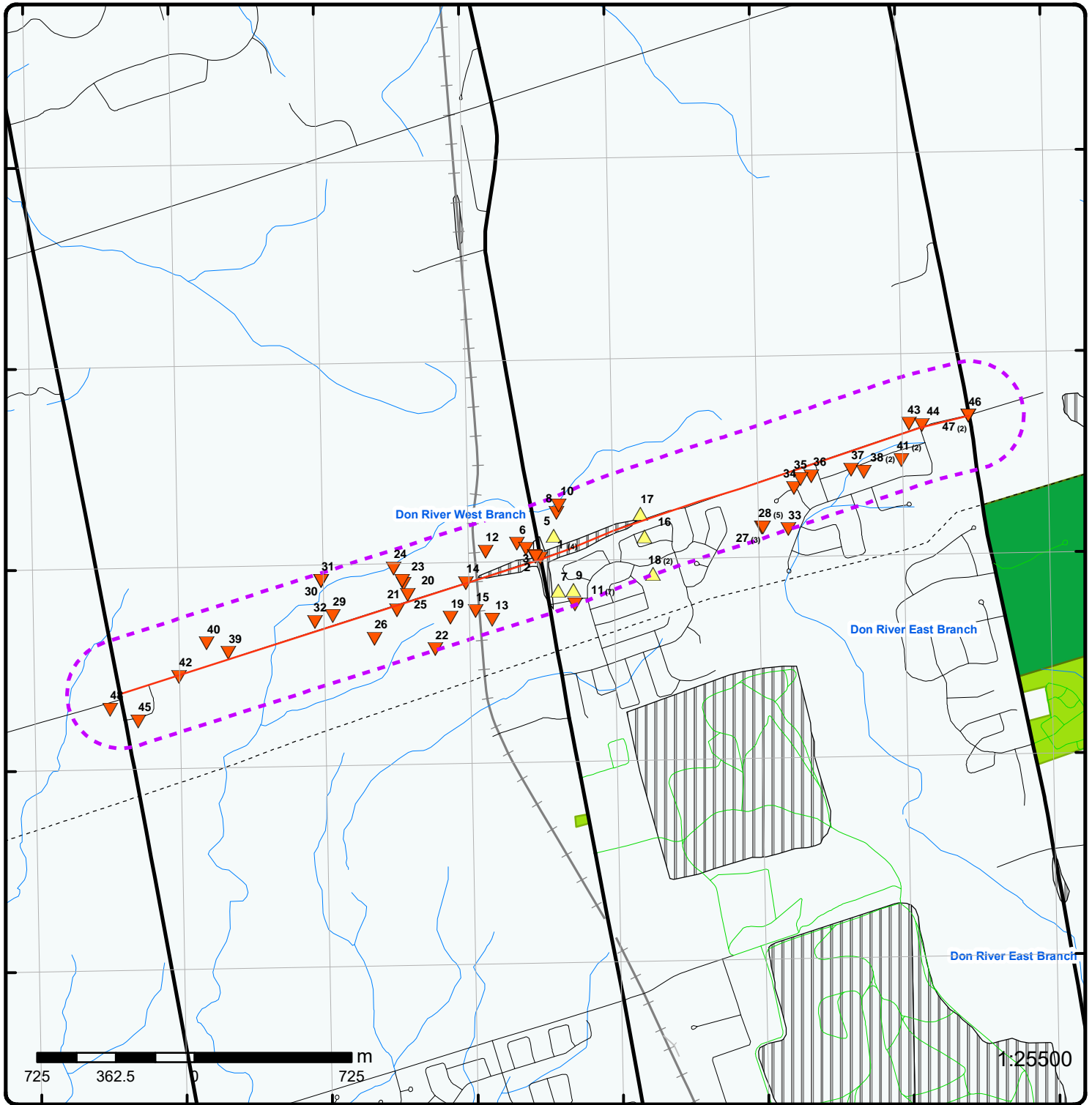
A search of the WWIS database, dated Feb 28, 2019 has found that there are 25 WWIS site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	VAUGHAN ON  <i>Well ID: 7298839</i>	17.1	<a href="#"><u>2</u></a>
	lot 31 con 4 ON  <i>Well ID: 6922803</i>	101.5	<a href="#"><u>6</u></a>
	lot 31 con 3 ON  <i>Well ID: 6906508</i>	177.8	<a href="#"><u>8</u></a>
	lot 30 con 3 ON  <i>Well ID: 6906496</i>	182.0	<a href="#"><u>9</u></a>
	lot 31 con 3 ON  <i>Well ID: 6923114</i>	205.5	<a href="#"><u>10</u></a>
	Vaughan ON  <i>Well ID: 7296802</i>	0.1	<a href="#"><u>14</u></a>
	lot 30 con 4 ON	136.5	<a href="#"><u>15</u></a>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	<i>Well ID:</i> 6906501		
	lot 31 con 4 ON	31.6	<a href="#"><u>20</u></a>
	<i>Well ID:</i> 6924261		
	lot 31 con 4 MAPLE ON	86.0	<a href="#"><u>21</u></a>
	<i>Well ID:</i> 6929027		
	lot 31 con 4 ON	100.3	<a href="#"><u>23</u></a>
	<i>Well ID:</i> 6906612		
	lot 30 con 4 ON	20.7	<a href="#"><u>25</u></a>
	<i>Well ID:</i> 6922776		
	lot 30 con 4 ON	114.8	<a href="#"><u>26</u></a>
	<i>Well ID:</i> 6906610		
	lot 30 con 3 ON	202.6	<a href="#"><u>27</u></a>
	<i>Well ID:</i> 6923931		
	lot 30 con 3 ON	202.6	<a href="#"><u>27</u></a>
	<i>Well ID:</i> 6923932		
	lot 30 con 3 ON	202.6	<a href="#"><u>27</u></a>
	<i>Well ID:</i> 6924017		
	lot 31 con 4 ON	44.0	<a href="#"><u>29</u></a>
	<i>Well ID:</i> 6922660		
	lot 30 con 3 ON	77.0	<a href="#"><u>34</u></a>
	<i>Well ID:</i> 6906505		
	lot 30 con 3 ON	47.5	<a href="#"><u>35</u></a>
	<i>Well ID:</i> 6906504		



<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	lot 30 con 3 ON  <i>Well ID:</i> 6906502	82.5	<a href="#"><u>37</u></a>
	lot 31 con 5 ON  <i>Well ID:</i> 6922625	29.9	<a href="#"><u>39</u></a>
	lot 31 con 4 ON  <i>Well ID:</i> 6913971	100.0	<a href="#"><u>40</u></a>
	Vaughan ON  <i>Well ID:</i> 7296803	6.4	<a href="#"><u>42</u></a>
	lot 31 con 3 ON  <i>Well ID:</i> 6906506	34.0	<a href="#"><u>43</u></a>
	lot 30 con 4 ON  <i>Well ID:</i> 6906611	144.1	<a href="#"><u>45</u></a>
	lot 30 con 5 ON  <i>Well ID:</i> 6922769	89.5	<a href="#"><u>48</u></a>



### Map : 0.25 Kilometer Radius

Order Number: 20190527025

Address: Kirby Road, Vaughan, ON



Project Property	Expressway	Industrial and Resource - Regions	National Park
Buffer Outline	Principal Highway	Main Line	Provincial or Territorial Park
Eris Sites with Higher Elevation	Secondary Highway	Sidetrack	Other Park
Eris Sites with Same Elevation	Major Road	Transit Line	Golf Course or Driving Range
Eris Sites with Lower Elevation	Local road	Abandoned Line	Park or Sports Field
Eris Sites with Unknown Elevation	Trail	Proposed Road	Other Recreation Area
	Ferry Route/Ice Road		

79°33'W

79°31'30"W

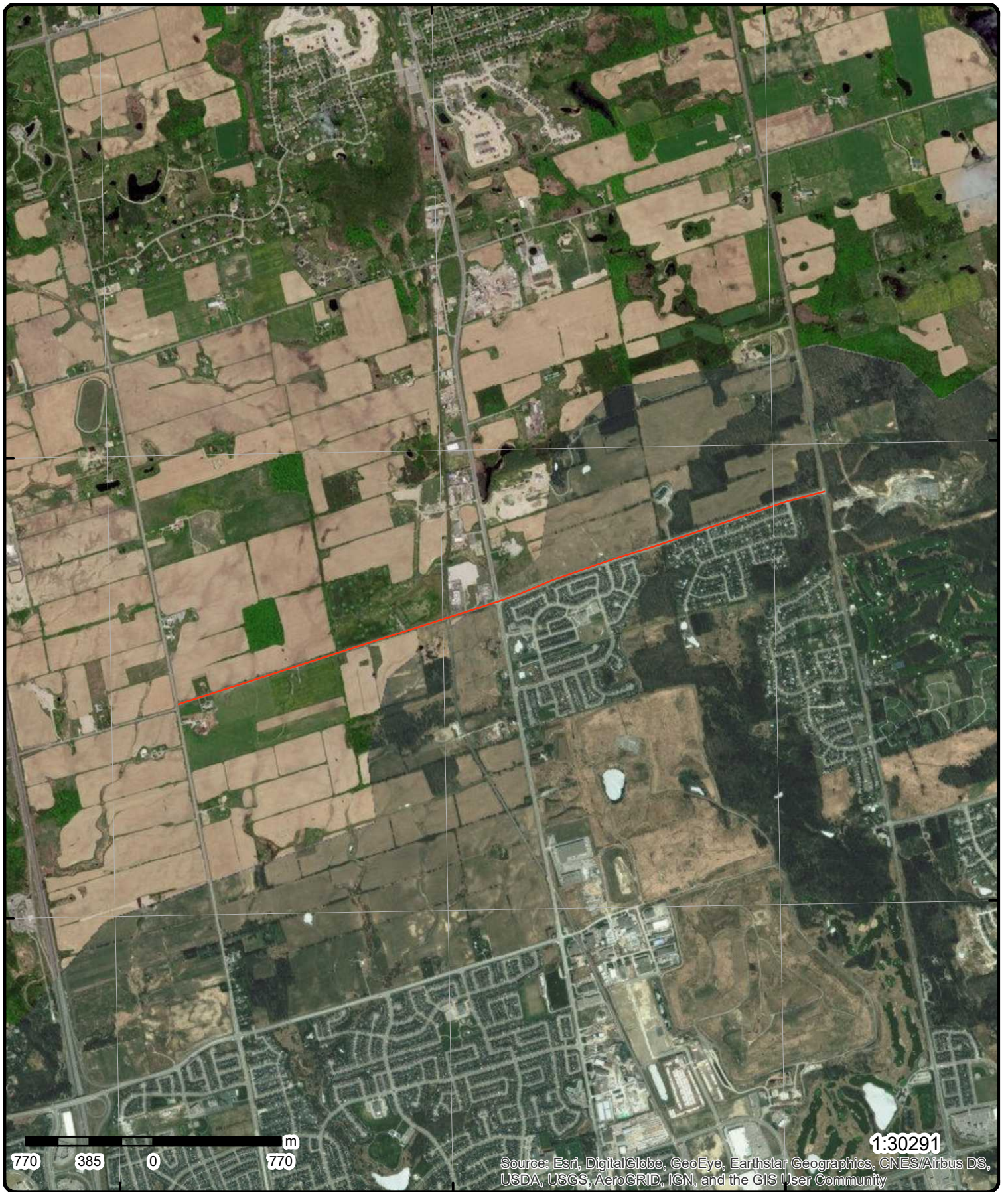
79°30'W

43°54'N

43°54'N

43°52'30"N

43°52'30"N



**Aerial** Year: 2018

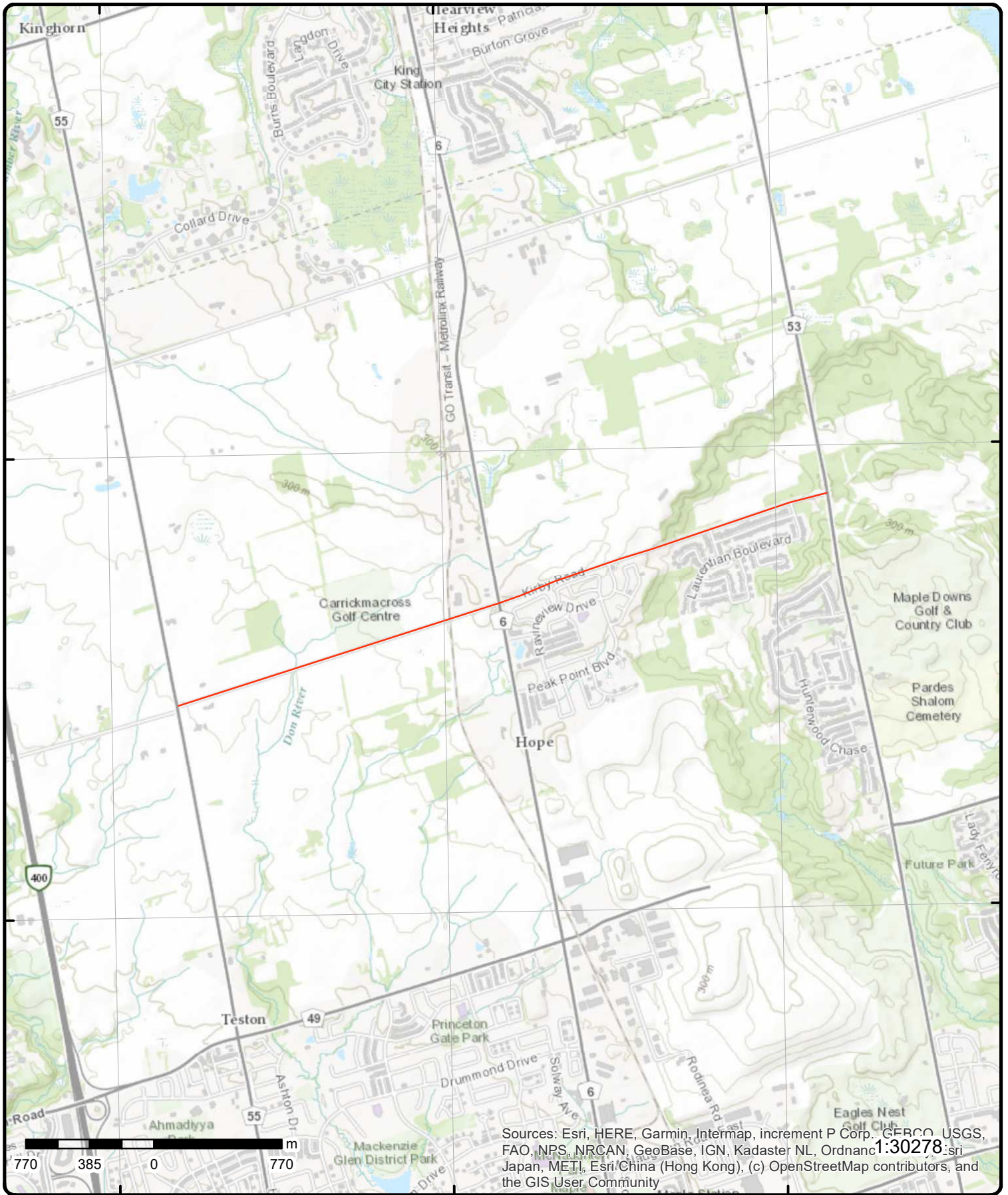
**Address: Kirby Road, Vaughan, ON**

Source: ESRI World Imagery

Order Number: 20190527025



© ERIS Information Limited Partnership



# Topographic Map

Address: Kirby Road, ON

Source: ESRI World Topographic Map

Order Number: 20190527025



© ERIS Information Limited Partnership

# Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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<a href="#">14</a>	1 of 1	WSW/0.1	289.9 / -11.27	Vaughan ON	WWIS
--------------------	--------	---------	----------------	------------	------

**Well ID:** 7296802  
**Construction Date:**  
**Primary Water Use:** Test Hole  
**Sec. Water Use:**  
**Final Well Status:** Test Hole  
**Water Type:**  
**Casing Material:**  
**Audit No:** Z264242  
**Tag:** A232262  
**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:** 10/6/2017  
**Selected Flag:** Yes  
**Abandonment Rec:**  
**Contractor:** 7215  
**Form Version:** 7  
**Owner:**  
**Street Name:** 2400 KIRBY ROAD  
**County:** YORK  
  
**Municipality:** VAUGHAN TOWN (VAUGHAN TWP)  
**Site Info:**  
**Lot:**  
**Concession:**  
**Concession Name:**  
**Easting NAD83:**  
**Northing NAD83:**  
**Zone:**  
**UTM Reliability:**

**Bore Hole Information**

**Bore Hole ID:** 1006758431  
**DP2BR:**  
**Spatial Status:**  
**Code OB:**  
**Code OB Desc:**  
**Open Hole:**  
**Cluster Kind:**  
**Date Completed:** 8/24/2017  
**Remarks:**  
**Elevrc Desc:**  
**Location Source Date:**  
**Improvement Location Source:**  
**Improvement Location Method:**  
**Source Revision Comment:**  
**Supplier Comment:**

**Elevation:** 289.48645  
**Elevrc:**  
**Zone:** 17  
**East83:** 618459  
**North83:** 4860801  
**Org CS:** UTM83  
**UTMRC:** 4  
**UTMRC Desc:** margin of error : 30 m - 100 m  
**Location Method:** wwr

**Overburden and Bedrock Materials Interval**

**Formation ID:** 1006923994  
**Layer:** 1  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 01  
**Most Common Material:** FILL  
**Mat2:**  
**Other Materials:**

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Mat3:</b>		77			
<b>Other Materials:</b>		LOOSE			
<b>Formation Top Depth:</b>		0			
<b>Formation End Depth:</b>		10			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		1006923996			
<b>Layer:</b>		3			
<b>Color:</b>		2			
<b>General Color:</b>		GREY			
<b>Mat1:</b>		05			
<b>Most Common Material:</b>		CLAY			
<b>Mat2:</b>		06			
<b>Other Materials:</b>		SILT			
<b>Mat3:</b>		66			
<b>Other Materials:</b>		DENSE			
<b>Formation Top Depth:</b>		21			
<b>Formation End Depth:</b>		25			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		1006923995			
<b>Layer:</b>		2			
<b>Color:</b>		6			
<b>General Color:</b>		BROWN			
<b>Mat1:</b>		05			
<b>Most Common Material:</b>		CLAY			
<b>Mat2:</b>		28			
<b>Other Materials:</b>		SAND			
<b>Mat3:</b>		11			
<b>Other Materials:</b>		GRAVEL			
<b>Formation Top Depth:</b>		10			
<b>Formation End Depth:</b>		21			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1006924004			
<b>Layer:</b>		2			
<b>Plug From:</b>		1			
<b>Plug To:</b>		11			
<b>Plug Depth UOM:</b>		ft			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1006924003			
<b>Layer:</b>		1			
<b>Plug From:</b>		0			
<b>Plug To:</b>		1			
<b>Plug Depth UOM:</b>		ft			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1006924005			

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Layer:</b>	3				
<b>Plug From:</b>	11				
<b>Plug To:</b>	14				
<b>Plug Depth UOM:</b>	ft				
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>	1006924006				
<b>Layer:</b>	4				
<b>Plug From:</b>	14				
<b>Plug To:</b>	25				
<b>Plug Depth UOM:</b>	ft				
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>					
<b>Method Construction Code:</b>	2				
<b>Method Construction:</b>	Rotary (Convent.)				
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>	1006923993				
<b>Casing No:</b>	0				
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>	1006923999				
<b>Layer:</b>	1				
<b>Material:</b>	5				
<b>Open Hole or Material:</b>	PLASTIC				
<b>Depth From:</b>	0				
<b>Depth To:</b>	15				
<b>Casing Diameter:</b>	2				
<b>Casing Diameter UOM:</b>	inch				
<b>Casing Depth UOM:</b>	ft				
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>	1006924000				
<b>Layer:</b>	1				
<b>Slot:</b>	10				
<b>Screen Top Depth:</b>	15				
<b>Screen End Depth:</b>	25				
<b>Screen Material:</b>	5				
<b>Screen Depth UOM:</b>	ft				
<b>Screen Diameter UOM:</b>	inch				
<b>Screen Diameter:</b>	2				
<b><u>Water Details</u></b>					
<b>Water ID:</b>	1006923998				
<b>Layer:</b>	1				
<b>Kind Code:</b>	8				
<b>Kind:</b>	Untested				
<b>Water Found Depth:</b>	17				
<b>Water Found Depth UOM:</b>	ft				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b><u>Hole Diameter</u></b>					
<b>Hole ID:</b>		1006923997			
<b>Diameter:</b>		9			
<b>Depth From:</b>		0			
<b>Depth To:</b>		25			
<b>Hole Depth UOM:</b>		ft			
<b>Hole Diameter UOM:</b>		inch			
<u>1</u>	1 of 4	WSW/4.5	299.8 / -1.36	MAPLEWOOD RAVINES LTD. KIRBY RD./KEELE ST. VAUGHAN CITY ON	CA
<b>Certificate #:</b>		7-0697-97-			
<b>Application Year:</b>		97			
<b>Issue Date:</b>		7/16/1997			
<b>Approval Type:</b>		Municipal water			
<b>Status:</b>		Approved			
<b>Application Type:</b>					
<b>Client Name:</b>					
<b>Client Address:</b>					
<b>Client City:</b>					
<b>Client Postal Code:</b>					
<b>Project Description:</b>					
<b>Contaminants:</b>					
<b>Emission Control:</b>					
<u>1</u>	2 of 4	WSW/4.5	299.8 / -1.36	MAPLEWOOD RAVINES LTD. KIRBY RD./KEELE ST./FOOTHILLS VAUGHAN CITY ON	CA
<b>Certificate #:</b>		3-0916-97-			
<b>Application Year:</b>		97			
<b>Issue Date:</b>		7/16/1997			
<b>Approval Type:</b>		Municipal sewage			
<b>Status:</b>		Approved			
<b>Application Type:</b>					
<b>Client Name:</b>					
<b>Client Address:</b>					
<b>Client City:</b>					
<b>Client Postal Code:</b>					
<b>Project Description:</b>					
<b>Contaminants:</b>					
<b>Emission Control:</b>					
<u>1</u>	3 of 4	WSW/4.5	299.8 / -1.36	MAPLEWOOD RAVINES LTD. KEELE ST./KIRBY SIDEROAD P.S. VAUGHAN CITY ON	CA
<b>Certificate #:</b>		3-1189-97-			
<b>Application Year:</b>		97			
<b>Issue Date:</b>		11/12/1997			
<b>Approval Type:</b>		Municipal sewage			
<b>Status:</b>		Revised			
<b>Application Type:</b>					
<b>Client Name:</b>					
<b>Client Address:</b>					
<b>Client City:</b>					
<b>Client Postal Code:</b>					
<b>Project Description:</b>					



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Contaminants:</b>					
<b>Emission Control:</b>					
<u>1</u>	4 of 4	WSW/4.5	299.8 / -1.36	MAPLEWOOD RAVINES LTD. KEELE ST./KIRBY SIDEROAD, SWM VAUGHAN CITY ON	CA
<b>Certificate #:</b> 3-1201-97- <b>Application Year:</b> 97 <b>Issue Date:</b> 9/30/1997 <b>Approval Type:</b> Municipal sewage <b>Status:</b> Approved <b>Application Type:</b> <b>Client Name:</b> <b>Client Address:</b> <b>Client City:</b> <b>Client Postal Code:</b> <b>Project Description:</b> <b>Contaminants:</b> <b>Emission Control:</b>					
<u>2</u>	1 of 1	W/17.1	299.9 / -1.28	VAUGHAN ON	WWIS
<b>Well ID:</b> 7298839 <b>Construction Date:</b> <b>Primary Water Use:</b> Test Hole <b>Sec. Water Use:</b> <b>Final Well Status:</b> Test Hole <b>Water Type:</b> <b>Casing Material:</b> <b>Audit No:</b> Z266510 <b>Tag:</b> A238274 <b>Construction Method:</b> <b>Elevation (m):</b> <b>Elevation Reliability:</b> <b>Depth to Bedrock:</b> <b>Well Depth:</b> <b>Overburden/Bedrock:</b> <b>Pump Rate:</b> <b>Static Water Level:</b> <b>Flowing (Y/N):</b> <b>Flow Rate:</b> <b>Clear/Cloudy:</b>					
<b>Data Entry Status:</b> <b>Data Src:</b> <b>Date Received:</b> 11/9/2017 <b>Selected Flag:</b> Yes <b>Abandonment Rec:</b> <b>Contractor:</b> 7215 <b>Form Version:</b> 7 <b>Owner:</b> <b>Street Name:</b> KIRBY ROAD AND KEELE STREET <b>County:</b> YORK <b>Municipality:</b> VAUGHAN TOWN (VAUGHAN TWP) <b>Site Info:</b> <b>Lot:</b> <b>Concession:</b> <b>Concession Name:</b> <b>Easting NAD83:</b> <b>Northing NAD83:</b> <b>Zone:</b> <b>UTM Reliability:</b>					
<b><u>Bore Hole Information</u></b>					
<b>Bore Hole ID:</b> 1006792495 <b>DP2BR:</b> <b>Spatial Status:</b> <b>Code OB:</b> <b>Code OB Desc:</b> <b>Open Hole:</b> <b>Cluster Kind:</b> <b>Date Completed:</b> 10/11/2017 <b>Remarks:</b> <b>Elevrc Desc:</b> <b>Location Source Date:</b> <b>Improvement Location Source:</b> <b>Improvement Location Method:</b> <b>Source Revision Comment:</b>					
<b>Elevation:</b> 299.774291 <b>Elevrc:</b> <b>Zone:</b> 17 <b>East83:</b> 618780 <b>North83:</b> 4860922 <b>Org CS:</b> UTM83 <b>UTMRC:</b> 4 <b>UTMRC Desc:</b> margin of error : 30 m - 100 m <b>Location Method:</b> wwr					

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Supplier Comment:</b>					
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		1007020049			
<b>Layer:</b>		1			
<b>Color:</b>		6			
<b>General Color:</b>		BROWN			
<b>Mat1:</b>		05			
<b>Most Common Material:</b>		CLAY			
<b>Mat2:</b>		06			
<b>Other Materials:</b>		SILT			
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		0			
<b>Formation End Depth:</b>		13			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		1007020051			
<b>Layer:</b>		3			
<b>Color:</b>		6			
<b>General Color:</b>		BROWN			
<b>Mat1:</b>		28			
<b>Most Common Material:</b>		SAND			
<b>Mat2:</b>		06			
<b>Other Materials:</b>		SILT			
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		25			
<b>Formation End Depth:</b>		30			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		1007020050			
<b>Layer:</b>		2			
<b>Color:</b>		2			
<b>General Color:</b>		GREY			
<b>Mat1:</b>		05			
<b>Most Common Material:</b>		CLAY			
<b>Mat2:</b>		06			
<b>Other Materials:</b>		SILT			
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		13			
<b>Formation End Depth:</b>		25			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1007020058			
<b>Layer:</b>		1			
<b>Plug From:</b>		0			
<b>Plug To:</b>		23			
<b>Plug Depth UOM:</b>		ft			

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1007020059			
<b>Layer:</b>		2			
<b>Plug From:</b>		23			
<b>Plug To:</b>		30			
<b>Plug Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>					
<b>Method Construction Code:</b>		2			
<b>Method Construction:</b>		Rotary (Convent.)			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		1007020048			
<b>Casing No:</b>		0			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		1007020054			
<b>Layer:</b>		1			
<b>Material:</b>		5			
<b>Open Hole or Material:</b>		PLASTIC			
<b>Depth From:</b>		0			
<b>Depth To:</b>		25			
<b>Casing Diameter:</b>		2			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>		1007020055			
<b>Layer:</b>		1			
<b>Slot:</b>		10			
<b>Screen Top Depth:</b>		25			
<b>Screen End Depth:</b>		30			
<b>Screen Material:</b>		5			
<b>Screen Depth UOM:</b>		ft			
<b>Screen Diameter UOM:</b>		inch			
<b>Screen Diameter:</b>		2			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		1007020053			
<b>Layer:</b>		1			
<b>Kind Code:</b>					
<b>Kind:</b>					
<b>Water Found Depth:</b>		16			
<b>Water Found Depth UOM:</b>		ft			
<b><u>Hole Diameter</u></b>					
<b>Hole ID:</b>		1007020052			
<b>Diameter:</b>		9			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Depth From:</b> <b>Depth To:</b> <b>Hole Depth UOM:</b> <b>Hole Diameter UOM:</b>		0 30 ft inch			
<u>3</u>	1 of 1	W/23.9	299.7 / -1.44	Pt. Lot 31, Con 4 Vaughan ON	EHS
<b>Order No:</b> <b>Status:</b> <b>Report Type:</b> <b>Report Date:</b> <b>Date Received:</b> <b>Previous Site Name:</b> <b>Lot/Building Size:</b> <b>Additional Info Ordered:</b>		20060207021 C Complete Report 2/16/2006 2/7/2006  Fire Insur. Maps and/or Site Plans		<b>Nearest Intersection:</b> Kirby Road & Keele Street <b>Municipality:</b> <b>Client Prov/State:</b> ON <b>Search Radius (km):</b> 0.25 <b>X:</b> -79.52123 <b>Y:</b> 43.891883	
<u>4</u>	1 of 7	WNW/66.5	297.5 / -3.63	SUNGHI ENTERPRISES LTD O/A GAS STN 11600 KEELE ST VAUGHAN ON L6A 1S1	FSTH
<b>License Issue Date:</b> <b>Tank Status:</b> <b>Tank Status As Of:</b> <b>Operation Type:</b> <b>Facility Type:</b>		11/22/2006 Licensed August 2007 Retail Fuel Outlet Gasoline Station - Self Serve			
<b>--Details--</b>					
<b>Status:</b>		Active			
<b>Year of Installation:</b>					
<b>Corrosion Protection:</b>					
<b>Capacity:</b>		35000			
<b>Tank Fuel Type:</b>		Liquid Fuel Double Wall UST - Diesel			
<b>Status:</b>		Active			
<b>Year of Installation:</b>					
<b>Corrosion Protection:</b>					
<b>Capacity:</b>		50000			
<b>Tank Fuel Type:</b>		Liquid Fuel Double Wall UST - Gasoline			
<b>Status:</b>		Active			
<b>Year of Installation:</b>					
<b>Corrosion Protection:</b>					
<b>Capacity:</b>		50000			
<b>Tank Fuel Type:</b>		Liquid Fuel Double Wall UST - Gasoline			
<b>Status:</b>		Active			
<b>Year of Installation:</b>					
<b>Corrosion Protection:</b>					
<b>Capacity:</b>		50000			
<b>Tank Fuel Type:</b>		Liquid Fuel Double Wall UST - Gasoline			
<u>4</u>	2 of 7	WNW/66.5	297.5 / -3.63	SUNGHI ENTERPRISES LTD O/A GAS STN 11600 KEELE ST VAUGHAN ON L6A 1S1	FSTH
<b>License Issue Date:</b> <b>Tank Status:</b> <b>Tank Status As Of:</b> <b>Operation Type:</b> <b>Facility Type:</b>		11/22/2006 3:59:00 PM Licensed December 2008 Retail Fuel Outlet Gasoline Station - Self Serve			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>--Details--</b>					
		Active			
		<b>Status:</b>			
		<b>Year of Installation:</b>			
		<b>Corrosion Protection:</b>			
		<b>Capacity:</b>	35000		
		<b>Tank Fuel Type:</b>	Liquid Fuel Double Wall UST - Diesel		
		<b>Status:</b>	Active		
		<b>Year of Installation:</b>			
		<b>Corrosion Protection:</b>			
		<b>Capacity:</b>	50000		
		<b>Tank Fuel Type:</b>	Liquid Fuel Double Wall UST - Gasoline		
		<b>Status:</b>	Active		
		<b>Year of Installation:</b>			
		<b>Corrosion Protection:</b>			
		<b>Capacity:</b>	50000		
		<b>Tank Fuel Type:</b>	Liquid Fuel Double Wall UST - Gasoline		
		<b>Status:</b>	Active		
		<b>Year of Installation:</b>			
		<b>Corrosion Protection:</b>			
		<b>Capacity:</b>	50000		
		<b>Tank Fuel Type:</b>	Liquid Fuel Double Wall UST - Gasoline		
<a href="#">4</a>	3 of 7	WNW/66.5	297.5 / -3.63	SUNCOR ENERGY PRODUCTS PARTNERSHIP 11600 KEELE ST VAUGHAN ON L6A 1S1	FST
		<b>Instance No:</b>	42567020		
		<b>Cont Name:</b>			
		<b>Instance Type:</b>	FS Liquid Fuel Tank		
		<b>Fuel Type:</b>	Gasoline		
		<b>Status:</b>	Active		
		<b>Capacity:</b>	50000		
		<b>Tank Material:</b>	Fiberglass (FRP)		
		<b>Corrosion Protection:</b>	Fiberglass		
		<b>Tank Type:</b>	Double Wall UST		
		<b>Install Year:</b>	2006		
		<b>Parent Facility Type:</b>	FS Gasoline Station - Self Serve		
		<b>Facility Type:</b>	FS Liquid Fuel Tank		
<a href="#">4</a>	4 of 7	WNW/66.5	297.5 / -3.63	SUNCOR ENERGY PRODUCTS PARTNERSHIP 11600 KEELE ST VAUGHAN ON L6A 1S1	FST
		<b>Instance No:</b>	42567018		
		<b>Cont Name:</b>			
		<b>Instance Type:</b>	FS Liquid Fuel Tank		
		<b>Fuel Type:</b>	Gasoline		
		<b>Status:</b>	Active		
		<b>Capacity:</b>	50000		
		<b>Tank Material:</b>	Fiberglass (FRP)		
		<b>Corrosion Protection:</b>	Fiberglass		
		<b>Tank Type:</b>	Double Wall UST		
		<b>Install Year:</b>	2006		
		<b>Parent Facility Type:</b>	FS Gasoline Station - Self Serve		
		<b>Facility Type:</b>	FS Liquid Fuel Tank		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<a href="#">4</a>	5 of 7	WNW/66.5	297.5 / -3.63	SUNCOR ENERGY PRODUCTS PARTNERSHIP 11600 KEELE ST VAUGHAN ON L6A 1S1	FST
<b>Instance No:</b> 42567017 <b>Cont Name:</b> <b>Instance Type:</b> FS Liquid Fuel Tank <b>Fuel Type:</b> Diesel <b>Status:</b> Active <b>Capacity:</b> 35000 <b>Tank Material:</b> Fiberglass (FRP) <b>Corrosion Protection:</b> Fiberglass <b>Tank Type:</b> Double Wall UST <b>Install Year:</b> 2006 <b>Parent Facility Type:</b> FS Gasoline Station - Self Serve <b>Facility Type:</b> FS Liquid Fuel Tank					
<a href="#">4</a>	6 of 7	WNW/66.5	297.5 / -3.63	SUNCOR ENERGY PRODUCTS PARTNERSHIP 11600 KEELE ST VAUGHAN ON L6A 1S1	FST
<b>Instance No:</b> 42567019 <b>Cont Name:</b> <b>Instance Type:</b> FS Liquid Fuel Tank <b>Fuel Type:</b> Gasoline <b>Status:</b> Active <b>Capacity:</b> 50000 <b>Tank Material:</b> Fiberglass (FRP) <b>Corrosion Protection:</b> Fiberglass <b>Tank Type:</b> Double Wall UST <b>Install Year:</b> 2006 <b>Parent Facility Type:</b> FS Gasoline Station - Self Serve <b>Facility Type:</b> FS Liquid Fuel Tank					
<a href="#">4</a>	7 of 7	WNW/66.5	297.5 / -3.63	United Petroleum Transport 11600 keele street vaughan Vaughan ON	SPL
<b>Ref No:</b> 2560-ANTLBZ <b>Site No:</b> <b>Incident Dt:</b> 6/27/2017 <b>Year:</b> <b>Incident Cause:</b> <b>Incident Event:</b> Operator/Human error <b>Contaminant Code:</b> 12 <b>Contaminant Name:</b> GASOLINE <b>Contaminant Limit 1:</b> <b>Contam Limit Freq 1:</b> <b>Contaminant UN No 1:</b> 1203 <b>Environment Impact:</b> <b>Nature of Impact:</b> <b>Receiving Medium:</b> <b>Receiving Env:</b> Land <b>MOE Response:</b> <b>Dt MOE Arvl on Scn:</b> <b>MOE Reported Dt:</b> 6/30/2017 <b>Dt Document Closed:</b> <b>Incident Reason:</b> Operator/Human Error <b>Site Name:</b> Petro Canada<UNOFFICIAL> <b>Site County/District:</b> Regional Municipality of York <b>Site Geo Ref Meth:</b>					
<b>Discharger Report:</b> <b>Material Group:</b> <b>Health/Env Conseq:</b> 2 - Minor Environment Corporation <b>Client Type:</b> Miscellaneous Industrial <b>Sector Type:</b> <b>Agency Involved:</b> <b>Nearest Watercourse:</b> <b>Site Address:</b> 11600 keele street vaughan <b>Site District Office:</b> York-Durham <b>Site Postal Code:</b> <b>Site Region:</b> Central <b>Site Municipality:</b> Vaughan <b>Site Lot:</b> <b>Site Conc:</b> <b>Northing:</b> 4860961.32 <b>Easting:</b> 618786.19 <b>Site Geo Ref Accu:</b> <b>Site Map Datum:</b> <b>SAC Action Class:</b> <b>Source Type:</b> Service Station					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Incident Summary:</b>		United Petroleum Transport: 60L gasoline to ground, cntd, cleaned			
<b>Contaminant Qty:</b>		60 L			

<u>5</u>	1 of 1	NNE/85.5	303.2 / 2.01	ON	BORE
<b>Borehole ID:</b>	590631			<b>Inclin FLG:</b>	No
<b>OGF ID:</b>	215501226			<b>SP Status:</b>	Initial Entry
<b>Status:</b>	Unknown			<b>Surv Elev:</b>	No
<b>Type:</b>	Outcrop			<b>Piezometer:</b>	No
<b>Use:</b>				<b>Primary Name:</b>	OGS-OLW-62-736
<b>Completion Date:</b>				<b>Municipality:</b>	
<b>Static Water Level:</b>				<b>Lot:</b>	
<b>Primary Water Use:</b>				<b>Township:</b>	
<b>Sec. Water Use:</b>				<b>Latitude DD:</b>	43.892729
<b>Total Depth m:</b>	2.4			<b>Longitude DD:</b>	-79.520122
<b>Depth Ref:</b>	Ground Surface			<b>UTM Zone:</b>	17
<b>Depth Elev:</b>				<b>Easting:</b>	618862
<b>Drill Method:</b>				<b>Northing:</b>	4861023
<b>Orig Ground Elev m:</b>	303			<b>Location Accuracy:</b>	
<b>Elev Reliabil Note:</b>				<b>Accuracy:</b>	Not Applicable
<b>DEM Ground Elev m:</b>	303				
<b>Concession:</b>					
<b>Location D:</b>					
<b>Survey D:</b>					
<b>Comments:</b>					

#### Borehole Geology Stratum

<b>Geology Stratum ID:</b>	218340146			<b>Mat Consistency:</b>	
<b>Top Depth:</b>	0			<b>Material Moisture:</b>	
<b>Bottom Depth:</b>	2.4			<b>Material Texture:</b>	
<b>Material Color:</b>				<b>Non Geo Mat Type:</b>	
<b>Material 1:</b>	Till			<b>Geologic Formation:</b>	
<b>Material 2:</b>	Silt			<b>Geologic Group:</b>	
<b>Material 3:</b>				<b>Geologic Period:</b>	
<b>Material 4:</b>				<b>Depositional Gen:</b>	
<b>Gsc Material Description:</b>					
<b>Stratum Description:</b>	Di si **Note: Many records provided by the department have a truncated [Stratum Description] field.				

#### Source

<b>Source Type:</b>	Data Survey			<b>Source Appl:</b>	Spatial/Tabular
<b>Source Orig:</b>	Ontario Geological Survey			<b>Source Iden:</b>	6
<b>Source Date:</b>	Varies to 2004			<b>Scale or Res:</b>	1:50,000
<b>Confidence:</b>	H			<b>Horizontal:</b>	NAD83
<b>Observatio:</b>				<b>Verticalda:</b>	Mean Average Sea Level
<b>Source Name:</b>	Ontario Geological Survey Fieldwork Mapping				
<b>Source Details:</b>	YPDT Master Database A: 591478393				
<b>Confiden 1:</b>	Location taken from OGS 1:50,000 maps by CAMC staff or consultants.				

#### Source List

<b>Source Identifier:</b>	6			<b>Horizontal Datum:</b>	NAD83
<b>Source Type:</b>	Data Survey			<b>Vertical Datum:</b>	Mean Average Sea Level
<b>Source Date:</b>	Varies to 2004			<b>Projection Name:</b>	Universal Transvers Mercator
<b>Scale or Resolution:</b>	1:50,000				
<b>Source Name:</b>	Ontario Geological Survey Fieldwork Mapping				
<b>Source Originators:</b>	Ontario Geological Survey				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>6</u>	1 of 1	WNW/101.5	297.6 / -3.57	lot 31 con 4 ON	WWIS

<b>Well ID:</b>	6922803	<b>Data Entry Status:</b>	
<b>Construction Date:</b>		<b>Data Src:</b>	1
<b>Primary Water Use:</b>	Commerical	<b>Date Received:</b>	9/12/1994
<b>Sec. Water Use:</b>		<b>Selected Flag:</b>	Yes
<b>Final Well Status:</b>	Water Supply	<b>Abandonment Rec:</b>	
<b>Water Type:</b>		<b>Contractor:</b>	2576
<b>Casing Material:</b>		<b>Form Version:</b>	1
<b>Audit No:</b>	131037	<b>Owner:</b>	
<b>Tag:</b>		<b>Street Name:</b>	
<b>Construction Method:</b>		<b>County:</b>	YORK
<b>Elevation (m):</b>		<b>Municipality:</b>	VAUGHAN TOWN (VAUGHAN TWP)
<b>Elevation Reliability:</b>		<b>Site Info:</b>	
<b>Depth to Bedrock:</b>		<b>Lot:</b>	031
<b>Well Depth:</b>		<b>Concession:</b>	04
<b>Overburden/Bedrock:</b>		<b>Concession Name:</b>	CON
<b>Pump Rate:</b>		<b>Easting NAD83:</b>	
<b>Static Water Level:</b>		<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>		<b>Zone:</b>	
<b>Flow Rate:</b>		<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>			

#### Bore Hole Information

<b>Bore Hole ID:</b>	10513106	<b>Elevation:</b>	299.423675
<b>DP2BR:</b>		<b>Elevrc:</b>	
<b>Spatial Status:</b>	Improved	<b>Zone:</b>	17
<b>Code OB:</b>	o	<b>East83:</b>	618694
<b>Code OB Desc:</b>	Overburden	<b>North83:</b>	4860983
<b>Open Hole:</b>		<b>Org CS:</b>	N83
<b>Cluster Kind:</b>		<b>UTMRC:</b>	4
<b>Date Completed:</b>	7/27/1994	<b>UTMRC Desc:</b>	margin of error : 30 m - 100 m
<b>Remarks:</b>		<b>Location Method:</b>	
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>	As of Fall, 2005		
<b>Improvement Location Source:</b>	YPDT_Master_A.mdb from Conservation Authority Moraine Coalition		
<b>Improvement Location Method:</b>	Map		
<b>Source Revision Comment:</b>	Sourced from Hunter and Assoc. by CAMC. Source notes: HUNTER 2001 ORM AVI STUDY; Address Maps/OBM (UTM 1982)/Orthophoto (1999)/Parc; Original units in CAMC's source: UTM NAD83 UTM's and Gnd Elev updated by Hunter Brought into CAMC data on: 02/08/2002. Source ID: 6922803		
<b>Supplier Comment:</b>	Changed from lot/centroid coordinates.		

#### Overburden and Bedrock Materials Interval

<b>Formation ID:</b>	932816087
<b>Layer:</b>	3
<b>Color:</b>	2
<b>General Color:</b>	GREY
<b>Mat1:</b>	06
<b>Most Common Material:</b>	SILT
<b>Mat2:</b>	
<b>Other Materials:</b>	
<b>Mat3:</b>	
<b>Other Materials:</b>	
<b>Formation Top Depth:</b>	11
<b>Formation End Depth:</b>	39
<b>Formation End Depth UOM:</b>	ft

#### Overburden and Bedrock Materials Interval



<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Formation ID:</b>		932816091			
<b>Layer:</b>		7			
<b>Color:</b>		2			
<b>General Color:</b>		GREY			
<b>Mat1:</b>		11			
<b>Most Common Material:</b>		GRAVEL			
<b>Mat2:</b>		29			
<b>Other Materials:</b>		FINE GRAVEL			
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		156			
<b>Formation End Depth:</b>		181			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		932816093			
<b>Layer:</b>		9			
<b>Color:</b>		2			
<b>General Color:</b>		GREY			
<b>Mat1:</b>		05			
<b>Most Common Material:</b>		CLAY			
<b>Mat2:</b>		84			
<b>Other Materials:</b>		SILTY			
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		183			
<b>Formation End Depth:</b>		185			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		932816085			
<b>Layer:</b>		1			
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		02			
<b>Most Common Material:</b>		TOPSOIL			
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		0			
<b>Formation End Depth:</b>		1			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		932816089			
<b>Layer:</b>		5			
<b>Color:</b>		6			
<b>General Color:</b>		BROWN			
<b>Mat1:</b>		05			
<b>Most Common Material:</b>		CLAY			
<b>Mat2:</b>		11			
<b>Other Materials:</b>		GRAVEL			
<b>Mat3:</b>		84			
<b>Other Materials:</b>		SILTY			
<b>Formation Top Depth:</b>		85			

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Formation End Depth:</b>		95			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		932816086			
<b>Layer:</b>		2			
<b>Color:</b>		6			
<b>General Color:</b>		BROWN			
<b>Mat1:</b>		05			
<b>Most Common Material:</b>		CLAY			
<b>Mat2:</b>		84			
<b>Other Materials:</b>		SILTY			
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		1			
<b>Formation End Depth:</b>		11			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		932816088			
<b>Layer:</b>		4			
<b>Color:</b>		2			
<b>General Color:</b>		GREY			
<b>Mat1:</b>		05			
<b>Most Common Material:</b>		CLAY			
<b>Mat2:</b>		11			
<b>Other Materials:</b>		GRAVEL			
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		39			
<b>Formation End Depth:</b>		85			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		932816092			
<b>Layer:</b>		8			
<b>Color:</b>		2			
<b>General Color:</b>		GREY			
<b>Mat1:</b>		11			
<b>Most Common Material:</b>		GRAVEL			
<b>Mat2:</b>		28			
<b>Other Materials:</b>		SAND			
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		181			
<b>Formation End Depth:</b>		183			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		932816090			
<b>Layer:</b>		6			
<b>Color:</b>		2			
<b>General Color:</b>		GREY			
<b>Mat1:</b>		05			

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Most Common Material:</b>					
<b>Mat2:</b>		CLAY			
<b>Other Materials:</b>		GRAVEL			
<b>Mat3:</b>		84			
<b>Other Materials:</b>		SILTY			
<b>Formation Top Depth:</b>		95			
<b>Formation End Depth:</b>		156			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		933215496			
<b>Layer:</b>		1			
<b>Plug From:</b>		0			
<b>Plug To:</b>		50			
<b>Plug Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>					
<b>Method Construction Code:</b>		4			
<b>Method Construction:</b>		Rotary (Air)			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		11061676			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930827342			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		170			
<b>Casing Diameter:</b>		6			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930827343			
<b>Layer:</b>		2			
<b>Material:</b>		4			
<b>Open Hole or Material:</b>		OPEN HOLE			
<b>Depth From:</b>					
<b>Depth To:</b>		180			
<b>Casing Diameter:</b>		6			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>		933398738			
<b>Layer:</b>		1			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Slot:		018			
Screen Top Depth:		170			
Screen End Depth:		180			
Screen Material:					
Screen Depth UOM:		ft			
Screen Diameter UOM:		inch			
Screen Diameter:		6			
<b><u>Results of Well Yield Testing</u></b>					
Pump Test ID:		996922803			
Pump Set At:					
Static Level:		129			
Final Level After Pumping:					
Recommended Pump Depth:		165			
Pumping Rate:		25			
Flowing Rate:					
Recommended Pump Rate:		25			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		2			
Pumping Duration MIN:		30			
Flowing:		N			
<b><u>Water Details</u></b>					
Water ID:		934005450			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		170			
Water Found Depth UOM:		ft			

7

1 of 1

SSE/162.1

302.1 / 0.89

11399 KEELE STREET  
MAPLE ON L6A 4E1

HINC

**External File Num:** FS INC 0801-00516  
**Fuel Occurrence Type:** Pipeline Strike  
**Date of Occurrence:** 1/16/2008  
**Fuel Type Involved:** Natural Gas  
**Status Desc:** Completed - Causal Analysis(End)  
**Job Type Desc:** Incident/Near-Miss Occurrence (FS)  
**Oper. Type Involved:** Construction Site (pipeline strike)  
**Service Interruptions:** Yes  
**Property Damage:** No  
**Fuel Life Cycle Stage:** Transmission, Distribution and Transportation  
**Root Cause:** Root Cause: Equipment/Material/Component:No Procedures:No Maintenance:No Design:No Training:No Management:No Human Factors:Yes  
**Reported Details:**  
**Fuel Category:** Gaseous Fuel  
**Occurrence Type:** Incident  
**Affiliation:** Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)  
**County Name:** York  
**Approx. Quant. Rel:**  
**Nearby body of water:**  
**Enter Drainage Syst.:**  
**Approx. Quant. Unit:**  
**Environmental Impact:**

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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8

1 of 1

NNE/177.8

297.0 / -4.21

lot 31 con 3  
ON

WWIS

Well ID: 6906508  
 Construction Date:  
 Primary Water Use: Domestic  
 Sec. Water Use: Livestock  
 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: 12/4/1961  
 Selected Flag: Yes  
 Abandonment Rec:  
 Contractor: 2407  
 Form Version: 1  
 Owner:  
 Street Name:  
 County: YORK  
 Municipality: VAUGHAN TOWN (VAUGHAN TWP)  
 Site Info:  
 Lot: 031  
 Concession: 03  
 Concession Name: CON  
 Easting NAD83:  
 Northing NAD83:  
 Zone:  
 UTM Reliability:

Bore Hole Information

Bore Hole ID: 10497207  
 DP2BR:  
 Spatial Status:  
 Code OB: o  
 Code OB Desc: Overburden  
 Open Hole:  
 Cluster Kind:  
 Date Completed: 9/11/1961  
 Remarks:  
 Elevrc Desc:  
 Location Source Date:  
 Improvement Location Source:  
 Improvement Location Method:  
 Source Revision Comment:  
 Supplier Comment:

Elevation: 297.394439  
 Elevrc:  
 Zone: 17  
 East83: 618875.6  
 North83: 4861126  
 Org CS:  
 UTMRC: 5  
 UTMRC Desc: margin of error : 100 m - 300 m  
 Location Method: p5

Overburden and Bedrock

Materials Interval

Formation ID: 932734113  
 Layer: 3  
 Color: 3  
 General Color: BLUE  
 Mat1: 09  
 Most Common Material: MEDIUM SAND  
 Mat2: 05  
 Other Materials: CLAY  
 Mat3:  
 Other Materials:  
 Formation Top Depth: 90  
 Formation End Depth: 140  
 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Formation ID:</b>		932734114			
<b>Layer:</b>		4			
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		08			
<b>Most Common Material:</b>		FINE SAND			
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		140			
<b>Formation End Depth:</b>		150			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		932734111			
<b>Layer:</b>		1			
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		23			
<b>Most Common Material:</b>		PREVIOUSLY DUG			
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		0			
<b>Formation End Depth:</b>		70			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		932734115			
<b>Layer:</b>		5			
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		10			
<b>Most Common Material:</b>		COARSE SAND			
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		150			
<b>Formation End Depth:</b>		156			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		932734112			
<b>Layer:</b>		2			
<b>Color:</b>		3			
<b>General Color:</b>		BLUE			
<b>Mat1:</b>		05			
<b>Most Common Material:</b>		CLAY			
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		70			
<b>Formation End Depth:</b>		90			

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Formation End Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>					
<b>Method Construction Code:</b>		1			
<b>Method Construction:</b>		Cable Tool			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		11045777			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930809575			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		153			
<b>Casing Diameter:</b>		4			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>		933388806			
<b>Layer:</b>		1			
<b>Slot:</b>		004			
<b>Screen Top Depth:</b>		153			
<b>Screen End Depth:</b>		156			
<b>Screen Material:</b>					
<b>Screen Depth UOM:</b>		ft			
<b>Screen Diameter UOM:</b>		inch			
<b>Screen Diameter:</b>		4			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		996906508			
<b>Pump Set At:</b>					
<b>Static Level:</b>		120			
<b>Final Level After Pumping:</b>		130			
<b>Recommended Pump Depth:</b>		140			
<b>Pumping Rate:</b>		5			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>		5			
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>		1			
<b>Water State After Test:</b>		CLEAR			
<b>Pumping Test Method:</b>		1			
<b>Pumping Duration HR:</b>		24			
<b>Pumping Duration MIN:</b>		0			
<b>Flowing:</b>		N			
<b><u>Water Details</u></b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Water ID:		933989930			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		150			
Water Found Depth UOM:		ft			

<a href="#">9</a>	1 of 1	SE/182.0	302.2 / 1.04	lot 30 con 3 ON	WWIS
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<b>Well ID:</b>	6906496	<b>Data Entry Status:</b>	
<b>Construction Date:</b>		<b>Data Src:</b>	1
<b>Primary Water Use:</b>	Domestic	<b>Date Received:</b>	9/3/1954
<b>Sec. Water Use:</b>	0	<b>Selected Flag:</b>	Yes
<b>Final Well Status:</b>	Water Supply	<b>Abandonment Rec:</b>	
<b>Water Type:</b>		<b>Contractor:</b>	1622
<b>Casing Material:</b>		<b>Form Version:</b>	1
<b>Audit No:</b>		<b>Owner:</b>	
<b>Tag:</b>		<b>Street Name:</b>	
<b>Construction Method:</b>		<b>County:</b>	YORK
<b>Elevation (m):</b>		<b>Municipality:</b>	VAUGHAN TOWN (VAUGHAN TWP)
<b>Elevation Reliability:</b>		<b>Site Info:</b>	
<b>Depth to Bedrock:</b>		<b>Lot:</b>	030
<b>Well Depth:</b>		<b>Concession:</b>	03
<b>Overburden/Bedrock:</b>		<b>Concession Name:</b>	CON
<b>Pump Rate:</b>		<b>Easting NAD83:</b>	
<b>Static Water Level:</b>		<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>		<b>Zone:</b>	
<b>Flow Rate:</b>		<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>			

#### Bore Hole Information

<b>Bore Hole ID:</b>	10497195	<b>Elevation:</b>	302.610778
<b>DP2BR:</b>		<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	17
<b>Code OB:</b>	o	<b>East83:</b>	618951.6
<b>Code OB Desc:</b>	Overburden	<b>North83:</b>	4860771
<b>Open Hole:</b>		<b>Org CS:</b>	
<b>Cluster Kind:</b>		<b>UTMRC:</b>	9
<b>Date Completed:</b>	8/2/1954	<b>UTMRC Desc:</b>	unknown UTM
<b>Remarks:</b>		<b>Location Method:</b>	p9
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

#### Overburden and Bedrock Materials Interval

<b>Formation ID:</b>	932734039
<b>Layer:</b>	7
<b>Color:</b>	3
<b>General Color:</b>	BLUE
<b>Mat1:</b>	09
<b>Most Common Material:</b>	MEDIUM SAND
<b>Mat2:</b>	
<b>Other Materials:</b>	
<b>Mat3:</b>	
<b>Other Materials:</b>	



<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Formation Top Depth:</b>		164			
<b>Formation End Depth:</b>		176			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		932734034			
<b>Layer:</b>		2			
<b>Color:</b>		3			
<b>General Color:</b>		BLUE			
<b>Mat1:</b>		05			
<b>Most Common Material:</b>		CLAY			
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		2			
<b>Formation End Depth:</b>		25			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		932734033			
<b>Layer:</b>		1			
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		02			
<b>Most Common Material:</b>		TOPSOIL			
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		0			
<b>Formation End Depth:</b>		2			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		932734038			
<b>Layer:</b>		6			
<b>Color:</b>		3			
<b>General Color:</b>		BLUE			
<b>Mat1:</b>		05			
<b>Most Common Material:</b>		CLAY			
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		90			
<b>Formation End Depth:</b>		164			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		932734036			
<b>Layer:</b>		4			
<b>Color:</b>		3			
<b>General Color:</b>		BLUE			

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Mat1:</b>			05		
<b>Most Common Material:</b>			CLAY		
<b>Mat2:</b>			09		
<b>Other Materials:</b>			MEDIUM SAND		
<b>Mat3:</b>			12		
<b>Other Materials:</b>			STONES		
<b>Formation Top Depth:</b>			27		
<b>Formation End Depth:</b>			67		
<b>Formation End Depth UOM:</b>			ft		
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>			932734035		
<b>Layer:</b>			3		
<b>Color:</b>			5		
<b>General Color:</b>			YELLOW		
<b>Mat1:</b>			09		
<b>Most Common Material:</b>			MEDIUM SAND		
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>			25		
<b>Formation End Depth:</b>			27		
<b>Formation End Depth UOM:</b>			ft		
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>			932734037		
<b>Layer:</b>			5		
<b>Color:</b>			3		
<b>General Color:</b>			BLUE		
<b>Mat1:</b>			05		
<b>Most Common Material:</b>			CLAY		
<b>Mat2:</b>			12		
<b>Other Materials:</b>			STONES		
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>			67		
<b>Formation End Depth:</b>			90		
<b>Formation End Depth UOM:</b>			ft		
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>					
<b>Method Construction Code:</b>			1		
<b>Method Construction:</b>			Cable Tool		
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>			11045765		
<b>Casing No:</b>			1		
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>			930809563		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		172			
<b>Casing Diameter:</b>		4			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>		933388802			
<b>Layer:</b>		1			
<b>Slot:</b>		006			
<b>Screen Top Depth:</b>		172			
<b>Screen End Depth:</b>		176			
<b>Screen Material:</b>					
<b>Screen Depth UOM:</b>		ft			
<b>Screen Diameter UOM:</b>		inch			
<b>Screen Diameter:</b>		4			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		996906496			
<b>Pump Set At:</b>					
<b>Static Level:</b>		120			
<b>Final Level After Pumping:</b>		140			
<b>Recommended Pump Depth:</b>					
<b>Pumping Rate:</b>		8			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>					
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>		1			
<b>Water State After Test:</b>		CLEAR			
<b>Pumping Test Method:</b>		1			
<b>Pumping Duration HR:</b>		2			
<b>Pumping Duration MIN:</b>		0			
<b>Flowing:</b>		N			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		933989925			
<b>Layer:</b>		1			
<b>Kind Code:</b>		1			
<b>Kind:</b>		FRESH			
<b>Water Found Depth:</b>		164			
<b>Water Found Depth UOM:</b>		ft			
<hr/>					
<a href="#"><u>10</u></a>	1 of 1	NNE/205.5	296.0 / -5.19	lot 31 con 3 ON	WWIS
<b>Well ID:</b>	6923114			<b>Data Entry Status:</b>	
<b>Construction Date:</b>				<b>Data Src:</b>	1
<b>Primary Water Use:</b>	Livestock			<b>Date Received:</b>	3/22/1995
<b>Sec. Water Use:</b>				<b>Selected Flag:</b>	Yes
<b>Final Well Status:</b>	Water Supply			<b>Abandonment Rec:</b>	
<b>Water Type:</b>				<b>Contractor:</b>	1663
<b>Casing Material:</b>				<b>Form Version:</b>	1
<b>Audit No:</b>	140689			<b>Owner:</b>	
<b>Tag:</b>				<b>Street Name:</b>	
<b>Construction Method:</b>				<b>County:</b>	YORK

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Elevation (m):</b>				<b>Municipality:</b>	VAUGHAN TOWN (VAUGHAN TWP)
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b>	031
<b>Well Depth:</b>				<b>Concession:</b>	03
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b>	CON
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					

**Bore Hole Information**

<b>Bore Hole ID:</b>	10513417	<b>Elevation:</b>	296.018127
<b>DP2BR:</b>		<b>Elevrc:</b>	
<b>Spatial Status:</b>	Improved	<b>Zone:</b>	17
<b>Code OB:</b>	o	<b>East83:</b>	618885
<b>Code OB Desc:</b>	Overburden	<b>North83:</b>	4861160
<b>Open Hole:</b>		<b>Org CS:</b>	N83
<b>Cluster Kind:</b>		<b>UTMRC:</b>	4
<b>Date Completed:</b>	9/26/1994	<b>UTMRC Desc:</b>	margin of error : 30 m - 100 m
<b>Remarks:</b>		<b>Location Method:</b>	
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>	As of Fall, 2005		
<b>Improvement Location Source:</b>	YPDT_Master_A.mdb from Conservation Authority Moraine Coalition		
<b>Improvement Location Method:</b>	Map		
<b>Source Revision Comment:</b>	Sourced from Hunter and Assoc. by CAMC. Source notes: HUNTER 2001 ORM AVI STUDY; Address Maps/OBM (UTM 1982)/Orthophoto (1999)/Parc; Original units in CAMC's source: UTM NAD83 UTM's and Gnd Elev updated by Hunter Brought into CAMC data on: 02/08/2002. Source ID: 6923114		
<b>Supplier Comment:</b>	Changed from lot/centroid coordinates.		

**Overburden and Bedrock**

**Materials Interval**

<b>Formation ID:</b>	932817610
<b>Layer:</b>	8
<b>Color:</b>	2
<b>General Color:</b>	GREY
<b>Mat1:</b>	08
<b>Most Common Material:</b>	FINE SAND
<b>Mat2:</b>	
<b>Other Materials:</b>	
<b>Mat3:</b>	
<b>Other Materials:</b>	
<b>Formation Top Depth:</b>	121
<b>Formation End Depth:</b>	144
<b>Formation End Depth UOM:</b>	ft

**Overburden and Bedrock**

**Materials Interval**

<b>Formation ID:</b>	932817604
<b>Layer:</b>	2
<b>Color:</b>	3
<b>General Color:</b>	BLUE
<b>Mat1:</b>	05
<b>Most Common Material:</b>	CLAY
<b>Mat2:</b>	11
<b>Other Materials:</b>	GRAVEL
<b>Mat3:</b>	28
<b>Other Materials:</b>	SAND
<b>Formation Top Depth:</b>	23
<b>Formation End Depth:</b>	34

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		932817609			
<b>Layer:</b>		7			
<b>Color:</b>		2			
<b>General Color:</b>		GREY			
<b>Mat1:</b>		28			
<b>Most Common Material:</b>		SAND			
<b>Mat2:</b>		05			
<b>Other Materials:</b>		CLAY			
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		114			
<b>Formation End Depth:</b>		121			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		932817603			
<b>Layer:</b>		1			
<b>Color:</b>		6			
<b>General Color:</b>		BROWN			
<b>Mat1:</b>		05			
<b>Most Common Material:</b>		CLAY			
<b>Mat2:</b>		28			
<b>Other Materials:</b>		SAND			
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		0			
<b>Formation End Depth:</b>		23			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		932817607			
<b>Layer:</b>		5			
<b>Color:</b>		3			
<b>General Color:</b>		BLUE			
<b>Mat1:</b>		05			
<b>Most Common Material:</b>		CLAY			
<b>Mat2:</b>		28			
<b>Other Materials:</b>		SAND			
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		59			
<b>Formation End Depth:</b>		108			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		932817611			
<b>Layer:</b>		9			
<b>Color:</b>		2			
<b>General Color:</b>		GREY			
<b>Mat1:</b>		28			
<b>Most Common Material:</b>		SAND			

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Mat2:</b>		06			
<b>Other Materials:</b>		SILT			
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		144			
<b>Formation End Depth:</b>		157			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		932817605			
<b>Layer:</b>		3			
<b>Color:</b>		6			
<b>General Color:</b>		BROWN			
<b>Mat1:</b>		05			
<b>Most Common Material:</b>		CLAY			
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		34			
<b>Formation End Depth:</b>		52			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		932817612			
<b>Layer:</b>		10			
<b>Color:</b>		3			
<b>General Color:</b>		BLUE			
<b>Mat1:</b>		05			
<b>Most Common Material:</b>		CLAY			
<b>Mat2:</b>		28			
<b>Other Materials:</b>		SAND			
<b>Mat3:</b>		06			
<b>Other Materials:</b>		SILT			
<b>Formation Top Depth:</b>		157			
<b>Formation End Depth:</b>		168			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		932817606			
<b>Layer:</b>		4			
<b>Color:</b>		6			
<b>General Color:</b>		BROWN			
<b>Mat1:</b>		08			
<b>Most Common Material:</b>		FINE SAND			
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		52			
<b>Formation End Depth:</b>		59			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock Materials Interval</u></b>					

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Formation ID:</b>		932817608			
<b>Layer:</b>		6			
<b>Color:</b>		2			
<b>General Color:</b>		GREY			
<b>Mat1:</b>		09			
<b>Most Common Material:</b>		MEDIUM SAND			
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		108			
<b>Formation End Depth:</b>		114			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		933215992			
<b>Layer:</b>		1			
<b>Plug From:</b>		0			
<b>Plug To:</b>		20			
<b>Plug Depth UOM:</b>		ft			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		933215993			
<b>Layer:</b>		2			
<b>Plug From:</b>		20			
<b>Plug To:</b>		141			
<b>Plug Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>					
<b>Method Construction Code:</b>		2			
<b>Method Construction:</b>		Rotary (Convent.)			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		11061987			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930827646			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		141			
<b>Casing Diameter:</b>		6			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Screen</u></b>					

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Screen ID:</b>		933398936			
<b>Layer:</b>		1			
<b>Slot:</b>		012			
<b>Screen Top Depth:</b>		141			
<b>Screen End Depth:</b>		144			
<b>Screen Material:</b>					
<b>Screen Depth UOM:</b>		ft			
<b>Screen Diameter UOM:</b>		inch			
<b>Screen Diameter:</b>		6			
 <b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		996923114			
<b>Pump Set At:</b>					
<b>Static Level:</b>		118			
<b>Final Level After Pumping:</b>		144			
<b>Recommended Pump Depth:</b>		140			
<b>Pumping Rate:</b>		5			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>		5			
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>		1			
<b>Water State After Test:</b>		CLEAR			
<b>Pumping Test Method:</b>		2			
<b>Pumping Duration HR:</b>		1			
<b>Pumping Duration MIN:</b>		30			
<b>Flowing:</b>		N			
 <b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934361313			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		15			
<b>Test Level:</b>		144			
<b>Test Level UOM:</b>		ft			
 <b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934876554			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		45			
<b>Test Level:</b>		144			
<b>Test Level UOM:</b>		ft			
 <b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934635729			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		30			
<b>Test Level:</b>		144			
<b>Test Level UOM:</b>		ft			
 <b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		935149846			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		60			
<b>Test Level:</b>		144			
<b>Test Level UOM:</b>		ft			



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Water Details</b>					
<b>Water ID:</b>		934005707			
<b>Layer:</b>		1			
<b>Kind Code:</b>		1			
<b>Kind:</b>		FRESH			
<b>Water Found Depth:</b>		114			
<b>Water Found Depth UOM:</b>		ft			
<a href="#">11</a>	1 of 7	SE/246.9	300.3 / -0.89	Sherwood Court LTC 300 Ravineview Drive Vaughan ON L6A 3P8	CA
<b>Certificate #:</b>					
<b>Application Year:</b>					
<b>Issue Date:</b>					
<b>Approval Type:</b>		Industrial air			
<b>Status:</b>		Returned			
<b>Application Type:</b>		New Certificate of Approval			
<b>Client Name:</b>		Central Care Corporation			
<b>Client Address:</b>		614 Coronation Blvd.			
<b>Client City:</b>		Cambridge			
<b>Client Postal Code:</b>		N1R 3E8			
<b>Project Description:</b>					
<b>Contaminants:</b>					
<b>Emission Control:</b>					
<a href="#">11</a>	2 of 7	SE/246.9	300.3 / -0.89	1390958 Ontario Limited 300 Ravineview Drive Vaughan ON L6A 3P8	CA
<b>Certificate #:</b>		0578-62DGPX			
<b>Application Year:</b>		2004			
<b>Issue Date:</b>		6/29/2004			
<b>Approval Type:</b>		Air			
<b>Status:</b>		Approved			
<b>Application Type:</b>					
<b>Client Name:</b>					
<b>Client Address:</b>					
<b>Client City:</b>					
<b>Client Postal Code:</b>					
<b>Project Description:</b>					
<b>Contaminants:</b>					
<b>Emission Control:</b>					
<a href="#">11</a>	3 of 7	SE/246.9	300.3 / -0.89	300 Ravineview Dr Vaughan ON L6A3P8	EHS
<b>Order No:</b>		20160201123		<b>Nearest Intersection:</b>	
<b>Status:</b>		C		<b>Municipality:</b>	
<b>Report Type:</b>		Standard Report		<b>Client Prov/State:</b>	ON
<b>Report Date:</b>		08-FEB-16		<b>Search Radius (km):</b>	.25
<b>Date Received:</b>		02-FEB-16		<b>X:</b>	-79.518577
<b>Previous Site Name:</b>				<b>Y:</b>	43.889272
<b>Lot/Building Size:</b>					
<b>Additional Info Ordered:</b>		Topographic Maps; Aerial Photos			
<a href="#">11</a>	4 of 7	SE/246.9	300.3 / -0.89	1390958 Ontario Limited 300 Ravineview Drive Vaughan ON N1R 3E8	ECA

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<p><b>Approval No:</b> 0578-62DGPX      <b>MOE District:</b> York-Durham  <b>Approval Date:</b> 2004-06-29      <b>City:</b>  <b>Status:</b> Approved      <b>Longitude:</b> -79.51861  <b>Record Type:</b> ECA      <b>Latitude:</b> 43.889244  <b>Link Source:</b> IDS      <b>Geometry X:</b>  <b>SWP Area Name:</b> Toronto      <b>Geometry Y:</b>  <b>Approval Type:</b> ECA-AIR  <b>Project Type:</b> AIR  <b>Address:</b> 300 Ravineview Drive  <b>Full Address:</b>  <b>Full PDF Link:</b> <a href="https://www.accessenvironment.ene.gov.on.ca/instruments/3167-5YXTLU-14.pdf">https://www.accessenvironment.ene.gov.on.ca/instruments/3167-5YXTLU-14.pdf</a></p>					
<a href="#">11</a>	5 of 7	SE/246.9	300.3 / -0.89	<b>Sherwood Court 300 Ravineview Drive Maple ON L6A 3P8</b>	GEN
<p><b>Generator No:</b> ON9170921      <b>PO Box No:</b>  <b>Status:</b>      <b>Country:</b> Canada  <b>Approval Years:</b> 2015      <b>Choice of Contact:</b> CO_OFFICIAL  <b>Contam. Facility:</b> No  <b>MHSW Facility:</b> No      <b>Co Admin:</b>  <b>SIC Code:</b> 623310      <b>Phone No Admin:</b>  <b>SIC Description:</b> 623310</p>					
<b><u>Detail(s)</u></b>					
<p><b>Waste Class:</b> 145  <b>Waste Class Desc:</b> PAINT/PIGMENT/COATING RESIDUES</p>					
<a href="#">11</a>	6 of 7	SE/246.9	300.3 / -0.89	<b>Sherwood Court 300 Ravineview Drive Maple ON L6A 3P8</b>	GEN
<p><b>Generator No:</b> ON9170921      <b>PO Box No:</b>  <b>Status:</b>      <b>Country:</b> Canada  <b>Approval Years:</b> 2014      <b>Choice of Contact:</b> CO_OFFICIAL  <b>Contam. Facility:</b> No  <b>MHSW Facility:</b> No      <b>Co Admin:</b>  <b>SIC Code:</b> 623310      <b>Phone No Admin:</b>  <b>SIC Description:</b> 623310</p>					
<b><u>Detail(s)</u></b>					
<p><b>Waste Class:</b> 145  <b>Waste Class Desc:</b> PAINT/PIGMENT/COATING RESIDUES</p>					
<a href="#">11</a>	7 of 7	SE/246.9	300.3 / -0.89	<b>300 Ravineview Dr Vaughan ON L6A3P8</b>	EHS
<p><b>Order No:</b> 20170130165      <b>Nearest Intersection:</b>  <b>Status:</b> C      <b>Municipality:</b>  <b>Report Type:</b> Custom Report      <b>Client Prov/State:</b> ON  <b>Report Date:</b> 06-FEB-17      <b>Search Radius (km):</b> .25  <b>Date Received:</b> 30-JAN-17      <b>X:</b> -79.518621  <b>Previous Site Name:</b>      <b>Y:</b> 43.889293  <b>Lot/Building Size:</b>  <b>Additional Info Ordered:</b> City Directory; Aerial Photos</p>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<a href="#">12</a>	1 of 1	W/110.9	296.5 / -4.72	Mid-Ontario Truck Centre Ltd. 2400 Kirby Rd Maple ON L6A 4R6	SCT
<b>Established:</b>		01-NOV-94			
<b>Plant Size (ft²):</b>					
<b>Employment:</b>					
<b>--Details--</b>					
<b>Description:</b>		Used Car Dealers			
<b>SIC/NAICS Code:</b>		441120			
<b>Description:</b>		New Car Dealers			
<b>SIC/NAICS Code:</b>		441110			
<b>Description:</b>		General Automotive Repair			
<b>SIC/NAICS Code:</b>		811111			
<b>Description:</b>		Automotive Parts and Accessories Stores			
<b>SIC/NAICS Code:</b>		441310			
<a href="#">13</a>	1 of 1	SW/195.5	290.9 / -10.31	Kirby Rd And Keele St Teston ON	EHS
<b>Order No:</b>		20170818127		<b>Nearest Intersection:</b>	
<b>Status:</b>		C		<b>Municipality:</b> Vaughan	
<b>Report Type:</b>		Custom Report		<b>Client Prov/State:</b> ON	
<b>Report Date:</b>		30-AUG-17		<b>Search Radius (km):</b> .25	
<b>Date Received:</b>		23-AUG-17		<b>X:</b> -79.523745	
<b>Previous Site Name:</b>				<b>Y:</b> 43.889273	
<b>Lot/Building Size:</b>					
<b>Additional Info Ordered:</b>		Fire Insur. Maps and/or Site Plans; Topographic Maps; Aerial Photos			
<a href="#">15</a>	1 of 1	WSW/136.5	290.4 / -10.75	lot 30 con 4 ON	WWIS
<b>Well ID:</b>		6906501		<b>Data Entry Status:</b>	
<b>Construction Date:</b>				<b>Data Src:</b> 1	
<b>Primary Water Use:</b>		Commerical		<b>Date Received:</b> 8/26/1958	
<b>Sec. Water Use:</b>		0		<b>Selected Flag:</b> Yes	
<b>Final Well Status:</b>		Water Supply		<b>Abandonment Rec:</b>	
<b>Water Type:</b>				<b>Contractor:</b> 1515	
<b>Casing Material:</b>				<b>Form Version:</b> 1	
<b>Audit No:</b>				<b>Owner:</b>	
<b>Tag:</b>				<b>Street Name:</b>	
<b>Construction Method:</b>				<b>County:</b> YORK	
<b>Elevation (m):</b>				<b>Municipality:</b> VAUGHAN TOWN (VAUGHAN TWP)	
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b> 030	
<b>Well Depth:</b>				<b>Concession:</b> 04	
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b> CON	
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					
<b><u>Bore Hole Information</u></b>					
<b>Bore Hole ID:</b>		10497200		<b>Elevation:</b> 289.957397	
<b>DP2BR:</b>				<b>Elevrc:</b>	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Spatial Status:</b>				<b>Zone:</b>	17
<b>Code OB:</b>	o			<b>East83:</b>	618503.6
<b>Code OB Desc:</b>	Overburden			<b>North83:</b>	4860672
<b>Open Hole:</b>				<b>Org CS:</b>	
<b>Cluster Kind:</b>				<b>UTMRC:</b>	9
<b>Date Completed:</b>	5/31/1958			<b>UTMRC Desc:</b>	unknown UTM
<b>Remarks:</b>				<b>Location Method:</b>	p9
<b>Elevrc Desc:</b>					
<b>Location Source Date:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					
<b>Source Revision Comment:</b>					
<b>Supplier Comment:</b>					

**Overburden and Bedrock**  
**Materials Interval**

**Formation ID:** 932734063  
**Layer:** 1  
**Color:**  
**General Color:**  
**Mat1:** 24  
**Most Common Material:** PREV. DRILLED  
**Mat2:**  
**Other Materials:**  
**Mat3:**  
**Other Materials:**  
**Formation Top Depth:** 0  
**Formation End Depth:** 30  
**Formation End Depth UOM:** ft

**Overburden and Bedrock**  
**Materials Interval**

**Formation ID:** 932734066  
**Layer:** 4  
**Color:**  
**General Color:**  
**Mat1:** 09  
**Most Common Material:** MEDIUM SAND  
**Mat2:**  
**Other Materials:**  
**Mat3:**  
**Other Materials:**  
**Formation Top Depth:** 150  
**Formation End Depth:** 158  
**Formation End Depth UOM:** ft

**Overburden and Bedrock**  
**Materials Interval**

**Formation ID:** 932734064  
**Layer:** 2  
**Color:**  
**General Color:**  
**Mat1:** 09  
**Most Common Material:** MEDIUM SAND  
**Mat2:** 11  
**Other Materials:** GRAVEL  
**Mat3:**  
**Other Materials:**  
**Formation Top Depth:** 30  
**Formation End Depth:** 140

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		932734065			
<b>Layer:</b>		3			
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		07			
<b>Most Common Material:</b>		QUICKSAND			
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		140			
<b>Formation End Depth:</b>		150			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>					
<b>Method Construction Code:</b>		8			
<b>Method Construction:</b>		Jetting			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		11045770			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930809568			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		153			
<b>Casing Diameter:</b>		3			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>		933388804			
<b>Layer:</b>		1			
<b>Slot:</b>		007			
<b>Screen Top Depth:</b>		153			
<b>Screen End Depth:</b>		158			
<b>Screen Material:</b>					
<b>Screen Depth UOM:</b>		ft			
<b>Screen Diameter UOM:</b>		inch			
<b>Screen Diameter:</b>		3			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		996906501			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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**Pump Set At:**  
**Static Level:** 60  
**Final Level After Pumping:** 145  
**Recommended Pump Depth:**  
**Pumping Rate:** 6  
**Flowing Rate:**  
**Recommended Pump Rate:**  
**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:** N

**Water Details**

**Water ID:** 933989927  
**Layer:** 1  
**Kind Code:** 1  
**Kind:** FRESH  
**Water Found Depth:** 150  
**Water Found Depth UOM:** ft

<a href="#">16</a>	1 of 1	E/71.0	310.9 / 9.76	ELIMI-TANK INSTALLER 75 BEAVERBROOK CRES MAPLE ON L6A3T3	RST
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**Headcode:** 00924800  
**Headcode Desc:** OILS FUEL  
**Phone:** 4168999914  
**List Name:** INFO-DIRECT(TM) BUSINESS FILE  
**Description:**

<a href="#">17</a>	1 of 1	ENE/34.6	310.9 / 9.69	ON	BORE
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<b>Borehole ID:</b> 591007 <b>OGF ID:</b> 215501602 <b>Status:</b> Unknown <b>Type:</b> Outcrop <b>Use:</b> <b>Completion Date:</b> <b>Static Water Level:</b> <b>Primary Water Use:</b> <b>Sec. Water Use:</b> <b>Total Depth m:</b> 2.1 <b>Depth Ref:</b> Ground Surface <b>Depth Elev:</b> <b>Drill Method:</b> <b>Orig Ground Elev m:</b> 310 <b>Elev Reliabil Note:</b> <b>DEM Ground Elev m:</b> 310 <b>Concession:</b> <b>Location D:</b> <b>Survey D:</b> <b>Comments:</b>	<b>Inclin FLG:</b> No <b>SP Status:</b> Initial Entry <b>Surv Elev:</b> No <b>Piezometer:</b> No <b>Primary Name:</b> OGS-OLW-62-735 <b>Municipality:</b> <b>Lot:</b> <b>Township:</b> <b>Latitude DD:</b> 43.893565 <b>Longitude DD:</b> -79.515121 <b>UTM Zone:</b> 17 <b>Easting:</b> 619262 <b>Northing:</b> 4861123 <b>Location Accuracy:</b> <b>Accuracy:</b> Not Applicable
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**Borehole Geology Stratum**

**Geology Stratum ID:** 218340145 **Mat Consistency:**

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Top Depth:</b> <b>Bottom Depth:</b> <b>Material Color:</b> <b>Material 1:</b> <b>Material 2:</b> <b>Material 3:</b> <b>Material 4:</b> <b>Gsc Material Description:</b> <b>Stratum Description:</b>	0 2.1  Till Silt Sand			<b>Material Moisture:</b> <b>Material Texture:</b> <b>Non Geo Mat Type:</b> <b>Geologic Formation:</b> <b>Geologic Group:</b> <b>Geologic Period:</b> <b>Depositional Gen:</b>	
Di si sa **Note: Many records provided by the department have a truncated [Stratum Description] field.					
<b>Source</b>					
<b>Source Type:</b> <b>Source Orig:</b> <b>Source Date:</b> <b>Confidence:</b> <b>Observatio:</b> <b>Source Name:</b> <b>Source Details:</b> <b>Confiden 1:</b>	Data Survey Ontario Geological Survey Varies to 2004 H  Ontario Geological Survey Fieldwork Mapping YPDT Master Database A: 1591016280 Location taken from OGS 1:50,000 maps by CAMC staff or consultants.			<b>Source Appl:</b> <b>Source Iden:</b> <b>Scale or Res:</b> <b>Horizontal:</b> <b>Verticalda:</b>	Spatial/Tabular 6 1:50,000 NAD83 Mean Average Sea Level
<b>Source List</b>					
<b>Source Identifier:</b> <b>Source Type:</b> <b>Source Date:</b> <b>Scale or Resolution:</b> <b>Source Name:</b> <b>Source Originators:</b>	6 Data Survey Varies to 2004 1:50,000 Ontario Geological Survey Fieldwork Mapping Ontario Geological Survey			<b>Horizontal Datum:</b> <b>Vertical Datum:</b> <b>Projection Name:</b>	NAD83 Mean Average Sea Level Universal Transvers Mercator
<u>18</u>	1 of 2	E/246.7	306.9 / 5.74	<b>York Catholic District School Board</b> <b>St. Raphael the Archangel Catholic Elementary</b> <b>Scho 131 Ravineview Drive</b> <b>Maple ON L6A 3T6</b>	GEN
<b>Generator No:</b> <b>Status:</b> <b>Approval Years:</b> <b>Contam. Facility:</b> <b>MHSW Facility:</b> <b>SIC Code:</b> <b>SIC Description:</b>	ON2844029 Registered As of Dec 2018			<b>PO Box No:</b> <b>Country:</b> <b>Choice of Contact:</b> <b>Co Admin:</b> <b>Phone No Admin:</b>	Canada
<b>Detail(s)</b>					
<b>Waste Class:</b> <b>Waste Class Desc:</b>	251 L Waste oils/sludges (petroleum based)				
<u>18</u>	2 of 2	E/246.7	306.9 / 5.74	<b>York Catholic District School Board</b> <b>131 Ravineview Dr, Maple</b> <b>Vaughan ON L6A 3T6</b>	SPL
<b>Ref No:</b> <b>Site No:</b> <b>Incident Dt:</b> <b>Year:</b> <b>Incident Cause:</b> <b>Incident Event:</b> <b>Contaminant Code:</b> <b>Contaminant Name:</b> <b>Contaminant Limit 1:</b> <b>Contam Limit Freq 1:</b>	4171-AN9PBU L6A 3T6 6/12/2017  Leak/Break 13 FUEL (N.O.S.)			<b>Discharger Report:</b> <b>Material Group:</b> <b>Health/Env Conseq:</b> <b>Client Type:</b> <b>Sector Type:</b> <b>Agency Involved:</b> <b>Nearest Watercourse:</b> <b>Site Address:</b> <b>Site District Office:</b> <b>Site Postal Code:</b>	2 - Minor Environment Other (Describe) Miscellaneous Communal  131 Ravineview Dr, Maple York-Durham

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Contaminant UN No 1:</b> <b>Environment Impact:</b> <b>Nature of Impact:</b> <b>Receiving Medium:</b> <b>Receiving Env:</b> <b>MOE Response:</b> <b>Dt MOE Arvl on Scn:</b> <b>MOE Reported Dt:</b> <b>Dt Document Closed:</b> <b>Incident Reason:</b> <b>Site Name:</b> <b>Site County/District:</b> <b>Site Geo Ref Meth:</b> <b>Incident Summary:</b> <b>Contaminant Qty:</b>	1202	Source Water Zone		<b>Site Region:</b> Central <b>Site Municipality:</b> Vaughan <b>Site Lot:</b> <b>Site Conc:</b> <b>Northing:</b> 4860889 <b>Easting:</b> 619322 <b>Site Geo Ref Accu:</b> <b>Site Map Datum:</b> <b>SAC Action Class:</b> <b>Source Type:</b> Motor Vehicle	
		Unknown / N/A		Saint Raphael The Arch Angel<UNOFFICIAL> Regional Municipality of York  Saint Raphael The Arch Angel: fuel to CB 0 L	

<a href="#">19</a>	1 of 1	WSW/128.5	286.9 / -14.29	11390 Keele St Vaughan ON	EHS
<b>Order No:</b> <b>Status:</b> <b>Report Type:</b> <b>Report Date:</b> <b>Date Received:</b> <b>Previous Site Name:</b> <b>Lot/Building Size:</b> <b>Additional Info Ordered:</b>	20120529020 C Custom Report 01-JUN-12 29-MAY-12			<b>Nearest Intersection:</b> <b>Municipality:</b> <b>Client Prov/State:</b> <b>Search Radius (km):</b> <b>X:</b> <b>Y:</b>	ON .25 -79.52612 43.889385
		Fire Insur. Maps and/or Site Plans; City Directory			

<a href="#">20</a>	1 of 1	W/31.6	285.8 / -15.37	lot 31 con 4 ON	WWIS
<b>Well ID:</b> <b>Construction Date:</b> <b>Primary Water Use:</b> <b>Sec. Water Use:</b> <b>Final Well Status:</b> <b>Water Type:</b> <b>Casing Material:</b> <b>Audit No:</b> <b>Tag:</b> <b>Construction Method:</b> <b>Elevation (m):</b> <b>Elevation Reliability:</b> <b>Depth to Bedrock:</b> <b>Well Depth:</b> <b>Overburden/Bedrock:</b> <b>Pump Rate:</b> <b>Static Water Level:</b> <b>Flowing (Y/N):</b> <b>Flow Rate:</b> <b>Clear/Cloudy:</b>	6924261 Domestic Water Supply 186440			<b>Data Entry Status:</b> <b>Data Src:</b> <b>Date Received:</b> <b>Selected Flag:</b> <b>Abandonment Rec:</b> <b>Contractor:</b> <b>Form Version:</b> <b>Owner:</b> <b>Street Name:</b> <b>County:</b> <b>Municipality:</b> <b>Site Info:</b> <b>Lot:</b> <b>Concession:</b> <b>Concession Name:</b> <b>Easting NAD83:</b> <b>Northing NAD83:</b> <b>Zone:</b> <b>UTM Reliability:</b>	1 2/24/1998 Yes 1663 1 YORK VAUGHAN TOWN (VAUGHAN TWP) 031 04 CON

#### Bore Hole Information

<b>Bore Hole ID:</b> <b>DP2BR:</b> <b>Spatial Status:</b> <b>Code OB:</b> <b>Code OB Desc:</b> <b>Open Hole:</b> <b>Cluster Kind:</b>	10514539 Improved o Overburden	<b>Elevation:</b> <b>Elevrc:</b> <b>Zone:</b> <b>East83:</b> <b>North83:</b> <b>Org CS:</b> <b>UTMRC:</b>	286.16867 17 618190 4860748 N83 4
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Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Date Completed:</b>	10/30/1997			<b>UTMRC Desc:</b>	margin of error : 30 m - 100 m
<b>Remarks:</b>				<b>Location Method:</b>	
<b>Elevrc Desc:</b>					
<b>Location Source Date:</b>	As of Fall, 2005				
<b>Improvement Location Source:</b>	YPDT_Master_A.mdb from Conservation Authority Moraine Coalition				
<b>Improvement Location Method:</b>	Map				
<b>Source Revision Comment:</b>	Sourced from Hunter and Assoc. by CAMC. Source notes: HUNTER 2001 ORM AVI STUDY; Address Maps/OBM (UTM 1982)/Orthophoto (1999)/Parc; Original units in CAMC's source: UTM NAD83 UTM's and Gnd Elev updated by Hunter Brought into CAMC data on: 02/08/2002. Source ID: 6924261				
<b>Supplier Comment:</b>	Changed from lot/centroid coordinates.				

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 932823184  
**Layer:** 7  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 08  
**Most Common Material:** FINE SAND  
**Mat2:**  
**Other Materials:**  
**Mat3:**  
**Other Materials:**  
**Formation Top Depth:** 94  
**Formation End Depth:** 114  
**Formation End Depth UOM:** ft

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 932823179  
**Layer:** 2  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 05  
**Most Common Material:** CLAY  
**Mat2:** 11  
**Other Materials:** GRAVEL  
**Mat3:**  
**Other Materials:**  
**Formation Top Depth:** 2  
**Formation End Depth:** 12  
**Formation End Depth UOM:** ft

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 932823183  
**Layer:** 6  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 05  
**Most Common Material:** CLAY  
**Mat2:** 28  
**Other Materials:** SAND  
**Mat3:** 11  
**Other Materials:** GRAVEL  
**Formation Top Depth:** 89  
**Formation End Depth:** 94  
**Formation End Depth UOM:** ft

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>			932823180		
<b>Layer:</b>			3		
<b>Color:</b>			3		
<b>General Color:</b>			BLUE		
<b>Mat1:</b>			05		
<b>Most Common Material:</b>			CLAY		
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>			12		
<b>Formation End Depth:</b>			28		
<b>Formation End Depth UOM:</b>			ft		
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>			932823182		
<b>Layer:</b>			5		
<b>Color:</b>			3		
<b>General Color:</b>			BLUE		
<b>Mat1:</b>			05		
<b>Most Common Material:</b>			CLAY		
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>			73		
<b>Formation End Depth:</b>			89		
<b>Formation End Depth UOM:</b>			ft		
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>			932823185		
<b>Layer:</b>			8		
<b>Color:</b>			6		
<b>General Color:</b>			BROWN		
<b>Mat1:</b>			09		
<b>Most Common Material:</b>			MEDIUM SAND		
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>			114		
<b>Formation End Depth:</b>			118		
<b>Formation End Depth UOM:</b>			ft		
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>			932823178		
<b>Layer:</b>			1		
<b>Color:</b>			6		
<b>General Color:</b>			BROWN		
<b>Mat1:</b>			02		
<b>Most Common Material:</b>			TOPSOIL		
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>					

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		0			
<b>Formation End Depth:</b>		2			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		932823181			
<b>Layer:</b>		4			
<b>Color:</b>		6			
<b>General Color:</b>		BROWN			
<b>Mat1:</b>		05			
<b>Most Common Material:</b>		CLAY			
<b>Mat2:</b>		28			
<b>Other Materials:</b>		SAND			
<b>Mat3:</b>		11			
<b>Other Materials:</b>		GRAVEL			
<b>Formation Top Depth:</b>		28			
<b>Formation End Depth:</b>		73			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		932823186			
<b>Layer:</b>		9			
<b>Color:</b>		6			
<b>General Color:</b>		BROWN			
<b>Mat1:</b>		10			
<b>Most Common Material:</b>		COARSE SAND			
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		118			
<b>Formation End Depth:</b>		130			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		933217550			
<b>Layer:</b>		1			
<b>Plug From:</b>		0			
<b>Plug To:</b>		20			
<b>Plug Depth UOM:</b>		ft			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		933217551			
<b>Layer:</b>		2			
<b>Plug From:</b>		20			
<b>Plug To:</b>		115			
<b>Plug Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>					
<b>Method Construction Code:</b>		2			

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Method Construction:</b>		Rotary (Convent.)			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		11063109			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930828964			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		115			
<b>Casing Diameter:</b>		6			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>		933399699			
<b>Layer:</b>		1			
<b>Slot:</b>		016			
<b>Screen Top Depth:</b>		115			
<b>Screen End Depth:</b>		118			
<b>Screen Material:</b>					
<b>Screen Depth UOM:</b>		ft			
<b>Screen Diameter UOM:</b>		inch			
<b>Screen Diameter:</b>		6			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		996924261			
<b>Pump Set At:</b>					
<b>Static Level:</b>		70			
<b>Final Level After Pumping:</b>		86			
<b>Recommended Pump Depth:</b>		100			
<b>Pumping Rate:</b>		10			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>		10			
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>		1			
<b>Water State After Test:</b>		CLEAR			
<b>Pumping Test Method:</b>		1			
<b>Pumping Duration HR:</b>		1			
<b>Pumping Duration MIN:</b>		0			
<b>Flowing:</b>		N			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934638425			
<b>Test Type:</b>					
<b>Test Duration:</b>		30			
<b>Test Level:</b>		86			
<b>Test Level UOM:</b>		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Draw Down &amp; Recovery</u>					
<b>Pump Test Detail ID:</b>		935151151			
<b>Test Type:</b>					
<b>Test Duration:</b>		60			
<b>Test Level:</b>		86			
<b>Test Level UOM:</b>		ft			
<u>Draw Down &amp; Recovery</u>					
<b>Pump Test Detail ID:</b>		934887413			
<b>Test Type:</b>					
<b>Test Duration:</b>		45			
<b>Test Level:</b>		86			
<b>Test Level UOM:</b>		ft			
<u>Draw Down &amp; Recovery</u>					
<b>Pump Test Detail ID:</b>		934364083			
<b>Test Type:</b>					
<b>Test Duration:</b>		15			
<b>Test Level:</b>		86			
<b>Test Level UOM:</b>		ft			
<u>Water Details</u>					
<b>Water ID:</b>		934006640			
<b>Layer:</b>		1			
<b>Kind Code:</b>		1			
<b>Kind:</b>		FRESH			
<b>Water Found Depth:</b>		89			
<b>Water Found Depth UOM:</b>		ft			

<u>21</u>	1 of 1	W/86.0	286.0 / -15.22	lot 31 con 4 MAPLE ON	WWIS
<b>Well ID:</b>	6929027			<b>Data Entry Status:</b>	
<b>Construction Date:</b>				<b>Data Src:</b>	
<b>Primary Water Use:</b>	Domestic			<b>Date Received:</b>	6/24/2005
<b>Sec. Water Use:</b>	Irrigation			<b>Selected Flag:</b>	Yes
<b>Final Well Status:</b>	Water Supply			<b>Abandonment Rec:</b>	
<b>Water Type:</b>				<b>Contractor:</b>	1663
<b>Casing Material:</b>				<b>Form Version:</b>	3
<b>Audit No:</b>	Z24750			<b>Owner:</b>	
<b>Tag:</b>	A013036			<b>Street Name:</b>	KIRBY ROAD
<b>Construction Method:</b>				<b>County:</b>	YORK
<b>Elevation (m):</b>				<b>Municipality:</b>	VAUGHAN TOWN (VAUGHAN TWP)
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b>	031
<b>Well Depth:</b>				<b>Concession:</b>	04
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b>	
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					
<u>Bore Hole Information</u>					
<b>Bore Hole ID:</b>	11327996			<b>Elevation:</b>	286.412048
<b>DP2BR:</b>				<b>Elevrc:</b>	
<b>Spatial Status:</b>				<b>Zone:</b>	17

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Code OB:</b>	0			<b>East83:</b>	618171
<b>Code OB Desc:</b>	Overburden			<b>North83:</b>	4860799
<b>Open Hole:</b>				<b>Org CS:</b>	UTM83
<b>Cluster Kind:</b>				<b>UTMRC:</b>	4
<b>Date Completed:</b>	5/26/2005			<b>UTMRC Desc:</b>	margin of error : 30 m - 100 m
<b>Remarks:</b>				<b>Location Method:</b>	wwr
<b>Elevrc Desc:</b>					
<b>Location Source Date:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					
<b>Source Revision Comment:</b>					
<b>Supplier Comment:</b>					

**Overburden and Bedrock**  
**Materials Interval**

**Formation ID:** 933037940  
**Layer:** 7  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 09  
**Most Common Material:** MEDIUM SAND  
**Mat2:** 11  
**Other Materials:** GRAVEL  
**Mat3:**  
**Other Materials:**  
**Formation Top Depth:** 45.4  
**Formation End Depth:** 48.4  
**Formation End Depth UOM:** m

**Overburden and Bedrock**  
**Materials Interval**

**Formation ID:** 933037937  
**Layer:** 4  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 09  
**Most Common Material:** MEDIUM SAND  
**Mat2:**  
**Other Materials:**  
**Mat3:**  
**Other Materials:**  
**Formation Top Depth:** 20.4  
**Formation End Depth:** 23.7  
**Formation End Depth UOM:** m

**Overburden and Bedrock**  
**Materials Interval**

**Formation ID:** 933037939  
**Layer:** 6  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 09  
**Most Common Material:** MEDIUM SAND  
**Mat2:** 08  
**Other Materials:** FINE SAND  
**Mat3:**  
**Other Materials:**  
**Formation Top Depth:** 26.8  
**Formation End Depth:** 45.4  
**Formation End Depth UOM:** m

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		933037934			
<b>Layer:</b>		1			
<b>Color:</b>		8			
<b>General Color:</b>		BLACK			
<b>Mat1:</b>		02			
<b>Most Common Material:</b>		TOPSOIL			
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		0			
<b>Formation End Depth:</b>		0.3			
<b>Formation End Depth UOM:</b>		m			
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		933037935			
<b>Layer:</b>		2			
<b>Color:</b>		6			
<b>General Color:</b>		BROWN			
<b>Mat1:</b>		05			
<b>Most Common Material:</b>		CLAY			
<b>Mat2:</b>		28			
<b>Other Materials:</b>		SAND			
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		0.3			
<b>Formation End Depth:</b>		3.65			
<b>Formation End Depth UOM:</b>		m			
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		933037938			
<b>Layer:</b>		5			
<b>Color:</b>		2			
<b>General Color:</b>		GREY			
<b>Mat1:</b>		05			
<b>Most Common Material:</b>		CLAY			
<b>Mat2:</b>		05			
<b>Other Materials:</b>		CLAY			
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		23.7			
<b>Formation End Depth:</b>		26.8			
<b>Formation End Depth UOM:</b>		m			
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		933037936			
<b>Layer:</b>		3			
<b>Color:</b>		2			
<b>General Color:</b>		GREY			
<b>Mat1:</b>		05			
<b>Most Common Material:</b>		CLAY			
<b>Mat2:</b>		11			

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Other Materials: Mat3:</b>		GRAVEL			
<b>Other Materials: Formation Top Depth:</b>		3.65			
<b>Formation End Depth:</b>		20.4			
<b>Formation End Depth UOM:</b>		m			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		933271292			
<b>Layer:</b>		1			
<b>Plug From:</b>		0			
<b>Plug To:</b>		6			
<b>Plug Depth UOM:</b>		m			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		2			
<b>Method Construction Code:</b>		Rotary (Convent.)			
<b>Method Construction:</b>					
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		11342851			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930872984			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>		0			
<b>Depth To:</b>		46			
<b>Casing Diameter:</b>		15.8			
<b>Casing Diameter UOM:</b>		cm			
<b>Casing Depth UOM:</b>		m			
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>		933413230			
<b>Layer:</b>		1			
<b>Slot:</b>		30			
<b>Screen Top Depth:</b>		46			
<b>Screen End Depth:</b>		48.4			
<b>Screen Material:</b>		1			
<b>Screen Depth UOM:</b>		m			
<b>Screen Diameter UOM:</b>		cm			
<b>Screen Diameter:</b>		15			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		11353298			
<b>Pump Set At:</b>					
<b>Static Level:</b>		24.7			
<b>Final Level After Pumping:</b>		25.1			



<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Recommended Pump Depth:</b>		30			
<b>Pumping Rate:</b>		454			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>					
<b>Levels UOM:</b>		m			
<b>Rate UOM:</b>		LPM			
<b>Water State After Test Code:</b>		1			
<b>Water State After Test:</b>		CLEAR			
<b>Pumping Test Method:</b>		1			
<b>Pumping Duration HR:</b>		1			
<b>Pumping Duration MIN:</b>		0			
<b>Flowing:</b>					
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		11404740			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		15			
<b>Test Level:</b>		25.1			
<b>Test Level UOM:</b>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		11404743			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		40			
<b>Test Level:</b>		25.1			
<b>Test Level UOM:</b>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		11404741			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		1			
<b>Test Level:</b>		25.1			
<b>Test Level UOM:</b>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		11404745			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		60			
<b>Test Level:</b>		25.1			
<b>Test Level UOM:</b>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		11404742			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		15			
<b>Test Level:</b>		24.7			
<b>Test Level UOM:</b>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		11404744			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		30			
<b>Test Level:</b>		25.1			
<b>Test Level UOM:</b>		m			

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

**Water ID:** 934061338  
**Layer:** 1  
**Kind Code:** 1  
**Kind:** FRESH  
**Water Found Depth:** 40  
**Water Found Depth UOM:** m

22      1 of 1      **WSW/246.1**      **285.7 / -15.44**      **SW Corner of Keele St. & Kirby Rd. Vaughan ON**      **EHS**

<b>Order No:</b>	20030110018	<b>Nearest Intersection:</b>	
<b>Status:</b>	C	<b>Municipality:</b>	
<b>Report Type:</b>	Complete Report	<b>Client Prov/State:</b>	ON
<b>Report Date:</b>	1/13/03	<b>Search Radius (km):</b>	0.90
<b>Date Received:</b>	1/10/03	<b>X:</b>	-79.527023
<b>Previous Site Name:</b>		<b>Y:</b>	43.888083
<b>Lot/Building Size:</b>			
<b>Additional Info Ordered:</b>			

23      1 of 1      **W/100.3**      **285.8 / -15.34**      **lot 31 con 4 ON**      **WWIS**

<b>Well ID:</b>	6906612	<b>Data Entry Status:</b>	
<b>Construction Date:</b>		<b>Data Src:</b>	1
<b>Primary Water Use:</b>	Domestic	<b>Date Received:</b>	10/31/1958
<b>Sec. Water Use:</b>	0	<b>Selected Flag:</b>	Yes
<b>Final Well Status:</b>	Water Supply	<b>Abandonment Rec:</b>	
<b>Water Type:</b>		<b>Contractor:</b>	2318
<b>Casing Material:</b>		<b>Form Version:</b>	1
<b>Audit No:</b>		<b>Owner:</b>	
<b>Tag:</b>		<b>Street Name:</b>	
<b>Construction Method:</b>		<b>County:</b>	YORK
<b>Elevation (m):</b>		<b>Municipality:</b>	VAUGHAN TOWN (VAUGHAN TWP)
<b>Elevation Reliability:</b>		<b>Site Info:</b>	
<b>Depth to Bedrock:</b>		<b>Lot:</b>	031
<b>Well Depth:</b>		<b>Concession:</b>	04
<b>Overburden/Bedrock:</b>		<b>Concession Name:</b>	CON
<b>Pump Rate:</b>		<b>Easting NAD83:</b>	
<b>Static Water Level:</b>		<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>		<b>Zone:</b>	
<b>Flow Rate:</b>		<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>			

**Bore Hole Information**

<b>Bore Hole ID:</b>	10497311	<b>Elevation:</b>	286.37326
<b>DP2BR:</b>		<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	17
<b>Code OB:</b>	o	<b>East83:</b>	618164.6
<b>Code OB Desc:</b>	Overburden	<b>North83:</b>	4860812
<b>Open Hole:</b>		<b>Org CS:</b>	
<b>Cluster Kind:</b>		<b>UTMRC:</b>	9
<b>Date Completed:</b>	7/22/1958	<b>UTMRC Desc:</b>	unknown UTM
<b>Remarks:</b>		<b>Location Method:</b>	p9
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
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**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 932734646  
**Layer:** 2  
**Color:** 3  
**General Color:** BLUE  
**Mat1:** 05  
**Most Common Material:** CLAY  
**Mat2:**  
**Other Materials:**  
**Mat3:**  
**Other Materials:**  
**Formation Top Depth:** 20  
**Formation End Depth:** 100  
**Formation End Depth UOM:** ft

**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 932734647  
**Layer:** 3  
**Color:**  
**General Color:**  
**Mat1:** 10  
**Most Common Material:** COARSE SAND  
**Mat2:**  
**Other Materials:**  
**Mat3:**  
**Other Materials:**  
**Formation Top Depth:** 100  
**Formation End Depth:** 110  
**Formation End Depth UOM:** ft

**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 932734645  
**Layer:** 1  
**Color:**  
**General Color:**  
**Mat1:** 23  
**Most Common Material:** PREVIOUSLY DUG  
**Mat2:**  
**Other Materials:**  
**Mat3:**  
**Other Materials:**  
**Formation Top Depth:** 0  
**Formation End Depth:** 20  
**Formation End Depth UOM:** ft

**Method of Construction & Well  
Use**

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

**Pipe Information**

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Pipe ID:</b>		11045881			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930809682			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		107			
<b>Casing Diameter:</b>		4			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>		933388868			
<b>Layer:</b>		1			
<b>Slot:</b>		008			
<b>Screen Top Depth:</b>		107			
<b>Screen End Depth:</b>		110			
<b>Screen Material:</b>					
<b>Screen Depth UOM:</b>		ft			
<b>Screen Diameter UOM:</b>		inch			
<b>Screen Diameter:</b>		4			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		996906612			
<b>Pump Set At:</b>					
<b>Static Level:</b>		30			
<b>Final Level After Pumping:</b>		70			
<b>Recommended Pump Depth:</b>					
<b>Pumping Rate:</b>		8			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>					
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>		1			
<b>Water State After Test:</b>		CLEAR			
<b>Pumping Test Method:</b>		1			
<b>Pumping Duration HR:</b>		4			
<b>Pumping Duration MIN:</b>		0			
<b>Flowing:</b>		N			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		933990019			
<b>Layer:</b>		1			
<b>Kind Code:</b>		1			
<b>Kind:</b>		FRESH			
<b>Water Found Depth:</b>		100			
<b>Water Found Depth UOM:</b>		ft			

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1 of 1

W/167.1

284.8 / -16.40

1411069 Ontario Inc.  
2480 KIRBY RD, VAUGHAN, ON, L6A 1S1,  
ON L6A 1S1

RSC

RSC ID:

16105

Cert Date:

9-Feb-07

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>RA No:</b>				<b>Cert Prop Use No:</b>	No CPU
<b>RSC Type:</b>				<b>Intended Prop Use:</b>	Commercial
<b>Curr Property Use:</b>	Commercial			<b>Qual Person Name:</b>	Tony Guglietti
<b>Ministry District:</b>	VAUGHAN			<b>Stratified (Y/N):</b>	
<b>Filing Date:</b>	25-Apr-07			<b>Audit (Y/N):</b>	
<b>Date Ack:</b>				<b>Entire Leg Prop. (Y/N):</b>	Yes
<b>Date Returned:</b>				<b>Accuracy Estimate:</b>	0 to 1 meters
<b>Restoration Type:</b>				<b>Telephone:</b>	905-6691615
<b>Soil Type:</b>				<b>Fax:</b>	905-6691646
<b>Criteria:</b>				<b>Email:</b>	
<b>CPU Issued Sect 1686:</b>	No				
<b>Asmt Roll No:</b>					
<b>Prop ID No (PIN):</b>					
<b>Property Municipal Address:</b>		2480 KIRBY RD, VAUGHAN, ON, L6A 1S1,			
<b>Mailing Address:</b>		Suite UNIT 1, 1 BRADWICK DR, CONCORD, ON, L4K 2T4			
<b>Latitude &amp; Longitude:</b>		43.89100640N 79.52474620W (converted from UTM)			
<b>UTM Coordinates:</b>		NAD83 17-618494-4860825			
<b>Consultant:</b>					
<b>Filing Owner:</b>					
<b>Legal Desc:</b>		Part Lot 31, Concession 4 City of Vaughan Regional Municipality of York Newmarket Land Titles Office (No. 65)			
<b>Measurement Method:</b>		Digitized from a map			
<b>Applicable Standards:</b>		ESA Phase 1			
<b>RSC PDF:</b>					

<a href="#">25</a>	1 of 1	WSW/20.7	284.9 / -16.29	lot 30 con 4 ON	WWIS
<b>Well ID:</b>	6922776			<b>Data Entry Status:</b>	
<b>Construction Date:</b>				<b>Data Src:</b>	1
<b>Primary Water Use:</b>				<b>Date Received:</b>	9/2/1994
<b>Sec. Water Use:</b>				<b>Selected Flag:</b>	Yes
<b>Final Well Status:</b>				<b>Abandonment Rec:</b>	
<b>Water Type:</b>				<b>Contractor:</b>	1508
<b>Casing Material:</b>				<b>Form Version:</b>	1
<b>Audit No:</b>	144935			<b>Owner:</b>	
<b>Tag:</b>				<b>Street Name:</b>	
<b>Construction Method:</b>				<b>County:</b>	YORK
<b>Elevation (m):</b>				<b>Municipality:</b>	VAUGHAN TOWN (VAUGHAN TWP)
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b>	030
<b>Well Depth:</b>				<b>Concession:</b>	04
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b>	CON
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					
<b><u>Bore Hole Information</u></b>					
<b>Bore Hole ID:</b>	10513079			<b>Elevation:</b>	284.630584
<b>DP2BR:</b>				<b>Elevrc:</b>	
<b>Spatial Status:</b>	Improved			<b>Zone:</b>	17
<b>Code OB:</b>	-			<b>East83:</b>	618140
<b>Code OB Desc:</b>	No formation data			<b>North83:</b>	4860677
<b>Open Hole:</b>				<b>Org CS:</b>	N83
<b>Cluster Kind:</b>				<b>UTMRC:</b>	3
<b>Date Completed:</b>	3/6/1993			<b>UTMRC Desc:</b>	margin of error : 10 - 30 m
<b>Remarks:</b>				<b>Location Method:</b>	
<b>Elevrc Desc:</b>					
<b>Location Source Date:</b>	September 2003				
<b>Improvement Location Source:</b>	Ministry of Environment Oak Ridges Moraine Policy Initiative 2001 (MOE ORM 2001): Database Revision and Update and Preparation of Profiles and Maps by Hunter and Associates, Ltd.				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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**Improvement Location Method:** GIS10000  
**Source Revision Comment:** Location change based on OBM (UTM 1982)/Orthophoto (1999)/Parcels 2001  
**Supplier Comment:**

**Method of Construction & Well Use**

**Method Construction ID:**  
**Method Construction Code:** 0  
**Method Construction:** Not Known  
**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 11061649  
**Casing No:** 1  
**Comment:**  
**Alt Name:**

<a href="#">26</a>	1 of 1	WSW/114.8	280.4 / -20.81	lot 30 con 4 ON	WWIS
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<b>Well ID:</b> 6906610 <b>Construction Date:</b> <b>Primary Water Use:</b> Domestic <b>Sec. Water Use:</b> 0 <b>Final Well Status:</b> Water Supply <b>Water Type:</b> <b>Casing Material:</b> <b>Audit No:</b> <b>Tag:</b> <b>Construction Method:</b> <b>Elevation (m):</b> <b>Elevation Reliability:</b> <b>Depth to Bedrock:</b> <b>Well Depth:</b> <b>Overburden/Bedrock:</b> <b>Pump Rate:</b> <b>Static Water Level:</b> <b>Flowing (Y/N):</b> <b>Flow Rate:</b> <b>Clear/Cloudy:</b>	<b>Data Entry Status:</b> <b>Data Src:</b> 1 <b>Date Received:</b> 9/3/1954 <b>Selected Flag:</b> Yes <b>Abandonment Rec:</b> <b>Contractor:</b> 1622 <b>Form Version:</b> 1 <b>Owner:</b> <b>Street Name:</b> <b>County:</b> YORK <b>Municipality:</b> VAUGHAN TOWN (VAUGHAN TWP) <b>Site Info:</b> <b>Lot:</b> 030 <b>Concession:</b> 04 <b>Concession Name:</b> CON <b>Easting NAD83:</b> <b>Northing NAD83:</b> <b>Zone:</b> <b>UTM Reliability:</b>
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**Bore Hole Information**

<b>Bore Hole ID:</b> 10497309 <b>DP2BR:</b> <b>Spatial Status:</b> <b>Code OB:</b> 0 <b>Code OB Desc:</b> Overburden <b>Open Hole:</b> <b>Cluster Kind:</b> <b>Date Completed:</b> 8/26/1954 <b>Remarks:</b> <b>Elevrc Desc:</b> <b>Location Source Date:</b> <b>Improvement Location Source:</b> <b>Improvement Location Method:</b> <b>Source Revision Comment:</b> <b>Supplier Comment:</b>	<b>Elevation:</b> 280.262237 <b>Elevrc:</b> <b>Zone:</b> 17 <b>East83:</b> 618036.6 <b>North83:</b> 4860545 <b>Org CS:</b> <b>UTMRC:</b> 9 <b>UTMRC Desc:</b> unknown UTM <b>Location Method:</b> p9
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**Overburden and Bedrock**

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		932734638			
<b>Layer:</b>		1			
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		23			
<b>Most Common Material:</b>		PREVIOUSLY DUG			
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		0			
<b>Formation End Depth:</b>		40			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		932734639			
<b>Layer:</b>		2			
<b>Color:</b>		3			
<b>General Color:</b>		BLUE			
<b>Mat1:</b>		05			
<b>Most Common Material:</b>		CLAY			
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		40			
<b>Formation End Depth:</b>		60			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		932734640			
<b>Layer:</b>		3			
<b>Color:</b>		3			
<b>General Color:</b>		BLUE			
<b>Mat1:</b>		09			
<b>Most Common Material:</b>		MEDIUM SAND			
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		60			
<b>Formation End Depth:</b>		70			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well</u></b>					
<b><u>Use</u></b>					
<b>Method Construction ID:</b>					
<b>Method Construction Code:</b>		8			
<b>Method Construction:</b>		Jetting			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		11045879			
<b>Casing No:</b>		1			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Comment:  
Alt Name:

**Construction Record - Casing**

Casing ID: 930809680  
 Layer: 1  
 Material: 1  
 Open Hole or Material: STEEL  
 Depth From:  
 Depth To: 65  
 Casing Diameter: 2  
 Casing Diameter UOM: inch  
 Casing Depth UOM: ft

**Construction Record - Screen**

Screen ID: 933388866  
 Layer: 1  
 Slot: 006  
 Screen Top Depth: 65  
 Screen End Depth: 70  
 Screen Material:  
 Screen Depth UOM: ft  
 Screen Diameter UOM: inch  
 Screen Diameter: 2

**Results of Well Yield Testing**

Pump Test ID: 996906610  
 Pump Set At:  
 Static Level: 60  
 Final Level After Pumping:  
 Recommended Pump Depth:  
 Pumping Rate: 3  
 Flowing Rate:  
 Recommended Pump Rate:  
 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: N

**Water Details**

Water ID: 933990017  
 Layer: 1  
 Kind Code: 1  
 Kind: FRESH  
 Water Found Depth: 60  
 Water Found Depth UOM: ft

[27](#) 1 of 3 E/202.6 288.1 / -13.10 lot 30 con 3 ON WWIS

Well ID: 6923931 Data Entry Status:  
 Construction Date: Data Src: 1  
 Primary Water Use: Not Used Date Received: 7/23/1997  
 Sec. Water Use: Selected Flag: Yes



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Final Well Status:</b>	Abandoned-Other			<b>Abandonment Rec:</b>	
<b>Water Type:</b>				<b>Contractor:</b>	6032
<b>Casing Material:</b>				<b>Form Version:</b>	1
<b>Audit No:</b>	84588			<b>Owner:</b>	
<b>Tag:</b>				<b>Street Name:</b>	
<b>Construction Method:</b>				<b>County:</b>	YORK
<b>Elevation (m):</b>				<b>Municipality:</b>	VAUGHAN TOWN (VAUGHAN TWP)
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b>	030
<b>Well Depth:</b>				<b>Concession:</b>	03
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b>	CON
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					

**Bore Hole Information**

<b>Bore Hole ID:</b>	10514232	<b>Elevation:</b>	288.103698
<b>DP2BR:</b>		<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	17
<b>Code OB:</b>	0	<b>East83:</b>	619821.6
<b>Code OB Desc:</b>	Overburden	<b>North83:</b>	4861058
<b>Open Hole:</b>		<b>Org CS:</b>	
<b>Cluster Kind:</b>		<b>UTMRC:</b>	9
<b>Date Completed:</b>	6/26/1997	<b>UTMRC Desc:</b>	unknown UTM
<b>Remarks:</b>		<b>Location Method:</b>	lot
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

**Overburden and Bedrock Materials Interval**

<b>Formation ID:</b>	932821867
<b>Layer:</b>	1
<b>Color:</b>	
<b>General Color:</b>	
<b>Mat1:</b>	24
<b>Most Common Material:</b>	PREV. DRILLED
<b>Mat2:</b>	
<b>Other Materials:</b>	
<b>Mat3:</b>	
<b>Other Materials:</b>	
<b>Formation Top Depth:</b>	0
<b>Formation End Depth:</b>	25
<b>Formation End Depth UOM:</b>	ft

**Method of Construction & Well Use**

<b>Method Construction ID:</b>	
<b>Method Construction Code:</b>	B
<b>Method Construction:</b>	Other Method
<b>Other Method Construction:</b>	

**Pipe Information**

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pipe ID:		11062802			
Casing No:		1			
Comment:					
Alt Name:					
<b><u>Construction Record - Casing</u></b>					
Casing ID:		930828622			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:					
Depth To:		25			
Casing Diameter:		2			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<b><u>Construction Record - Screen</u></b>					
Screen ID:		933399510			
Layer:		1			
Slot:					
Screen Top Depth:					
Screen End Depth:					
Screen Material:					
Screen Depth UOM:		ft			
Screen Diameter UOM:		inch			
Screen Diameter:					
<b><u>Results of Well Yield Testing</u></b>					
Pump Test ID:		996923931			
Pump Set At:					
Static Level:		25			
Final Level After Pumping:					
Recommended Pump Depth:					
Pumping Rate:					
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:					
Water State After Test:					
Pumping Test Method:					
Pumping Duration HR:					
Pumping Duration MIN:					
Flowing:		N			

<a href="#">27</a>	2 of 3	E/202.6	288.1 / -13.10	lot 30 con 3 ON	WWIS
Well ID:	6923932			Data Entry Status:	
Construction Date:				Data Src:	1
Primary Water Use:	Not Used			Date Received:	7/23/1997
Sec. Water Use:				Selected Flag:	Yes
Final Well Status:	Abandoned-Other			Abandonment Rec:	
Water Type:				Contractor:	6032
Casing Material:				Form Version:	1
Audit No:	84597			Owner:	
Tag:				Street Name:	
Construction Method:				County:	YORK
Elevation (m):				Municipality:	VAUGHAN TOWN (VAUGHAN TWP)

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Elevation Reliability:</b> <b>Depth to Bedrock:</b> <b>Well Depth:</b> <b>Overburden/Bedrock:</b> <b>Pump Rate:</b> <b>Static Water Level:</b> <b>Flowing (Y/N):</b> <b>Flow Rate:</b> <b>Clear/Cloudy:</b>				<b>Site Info:</b> <b>Lot:</b> 030 <b>Concession:</b> 03 <b>Concession Name:</b> CON <b>Easting NAD83:</b> <b>Northing NAD83:</b> <b>Zone:</b> <b>UTM Reliability:</b>	
<b><u>Bore Hole Information</u></b>					
<b>Bore Hole ID:</b> 10514233 <b>DP2BR:</b> <b>Spatial Status:</b> <b>Code OB:</b> 0 <b>Code OB Desc:</b> Overburden <b>Open Hole:</b> <b>Cluster Kind:</b> <b>Date Completed:</b> 6/26/1997 <b>Remarks:</b> <b>Elevrc Desc:</b> <b>Location Source Date:</b> <b>Improvement Location Source:</b> <b>Improvement Location Method:</b> <b>Source Revision Comment:</b> <b>Supplier Comment:</b>				<b>Elevation:</b> 288.103698 <b>Elevrc:</b> <b>Zone:</b> 17 <b>East83:</b> 619821.6 <b>North83:</b> 4861058 <b>Org CS:</b> <b>UTMRC:</b> 9 <b>UTMRC Desc:</b> unknown UTM <b>Location Method:</b> lot	
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b> 932821868 <b>Layer:</b> 1 <b>Color:</b> <b>General Color:</b> <b>Mat1:</b> 24 <b>Most Common Material:</b> PREV. DRILLED <b>Mat2:</b> <b>Other Materials:</b> <b>Mat3:</b> <b>Other Materials:</b> <b>Formation Top Depth:</b> 0 <b>Formation End Depth:</b> 27 <b>Formation End Depth UOM:</b> ft					
<b><u>Method of Construction &amp; Well</u></b>					
<b><u>Use</u></b>					
<b>Method Construction ID:</b> <b>Method Construction Code:</b> B <b>Method Construction:</b> Other Method <b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b> 11062803 <b>Casing No:</b> 1 <b>Comment:</b> <b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Casing ID:</b> 930828623					
<b>Layer:</b> 1					
<b>Material:</b> 5					
<b>Open Hole or Material:</b> PLASTIC					
<b>Depth From:</b>					
<b>Depth To:</b> 27					
<b>Casing Diameter:</b> 2					
<b>Casing Diameter UOM:</b> inch					
<b>Casing Depth UOM:</b> ft					
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b> 933399511					
<b>Layer:</b> 1					
<b>Slot:</b>					
<b>Screen Top Depth:</b>					
<b>Screen End Depth:</b>					
<b>Screen Material:</b>					
<b>Screen Depth UOM:</b> ft					
<b>Screen Diameter UOM:</b> inch					
<b>Screen Diameter:</b>					
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b> 996923932					
<b>Pump Set At:</b>					
<b>Static Level:</b> 21					
<b>Final Level After Pumping:</b>					
<b>Recommended Pump Depth:</b>					
<b>Pumping Rate:</b>					
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>					
<b>Levels UOM:</b> ft					
<b>Rate UOM:</b> GPM					
<b>Water State After Test Code:</b>					
<b>Water State After Test:</b>					
<b>Pumping Test Method:</b>					
<b>Pumping Duration HR:</b>					
<b>Pumping Duration MIN:</b>					
<b>Flowing:</b> N					
<a href="#">27</a>	3 of 3	E/202.6	288.1 / -13.10	lot 30 con 3 ON	WWIS
<b>Well ID:</b> 6924017					
<b>Construction Date:</b>					
<b>Primary Water Use:</b> Not Used					
<b>Sec. Water Use:</b>					
<b>Final Well Status:</b> Abandoned-Other					
<b>Water Type:</b>					
<b>Casing Material:</b>					
<b>Audit No:</b> 84624					
<b>Tag:</b>					
<b>Construction Method:</b>					
<b>Elevation (m):</b>					
<b>Elevation Reliability:</b>					
<b>Depth to Bedrock:</b>					
<b>Well Depth:</b>					
<b>Overburden/Bedrock:</b>					
<b>Pump Rate:</b>					
<b>Static Water Level:</b>					
<b>Flowing (Y/N):</b>					
<b>Flow Rate:</b>					
<b>Data Entry Status:</b>					
<b>Data Src:</b> 1					
<b>Date Received:</b> 8/11/1997					
<b>Selected Flag:</b> Yes					
<b>Abandonment Rec:</b>					
<b>Contractor:</b> 6032					
<b>Form Version:</b> 1					
<b>Owner:</b>					
<b>Street Name:</b>					
<b>County:</b> YORK					
<b>Municipality:</b> VAUGHAN TOWN (VAUGHAN TWP)					
<b>Site Info:</b>					
<b>Lot:</b> 030					
<b>Concession:</b> 03					
<b>Concession Name:</b> CON					
<b>Easting NAD83:</b>					
<b>Northing NAD83:</b>					
<b>Zone:</b>					
<b>UTM Reliability:</b>					

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<i>Clear/Cloudy:</i>					
<b><u>Bore Hole Information</u></b>					
<b>Bore Hole ID:</b>	10514318			<b>Elevation:</b>	288.103698
<b>DP2BR:</b>				<b>Elevrc:</b>	
<b>Spatial Status:</b>				<b>Zone:</b>	17
<b>Code OB:</b>	o			<b>East83:</b>	619821.6
<b>Code OB Desc:</b>	Overburden			<b>North83:</b>	4861058
<b>Open Hole:</b>				<b>Org CS:</b>	
<b>Cluster Kind:</b>				<b>UTMRC:</b>	9
<b>Date Completed:</b>	7/21/1997			<b>UTMRC Desc:</b>	unknown UTM
<b>Remarks:</b>				<b>Location Method:</b>	lot
<b>Elevrc Desc:</b>					
<b>Location Source Date:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					
<b>Source Revision Comment:</b>					
<b>Supplier Comment:</b>					
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>	932822268				
<b>Layer:</b>	1				
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>	23				
<b>Most Common Material:</b>	PREVIOUSLY DUG				
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>	0				
<b>Formation End Depth:</b>	272				
<b>Formation End Depth UOM:</b>	ft				
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>					
<b>Method Construction Code:</b>	0				
<b>Method Construction:</b>	Not Known				
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>	11062888				
<b>Casing No:</b>	1				
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>	930828739				
<b>Layer:</b>	1				
<b>Material:</b>	1				
<b>Open Hole or Material:</b>	STEEL				
<b>Depth From:</b>					
<b>Depth To:</b>	0				
<b>Casing Diameter:</b>	2				
<b>Casing Diameter UOM:</b>	inch				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Casing Depth UOM:</b>		ft			
<a href="#">28</a>	1 of 5	E/203.1	287.6 / -13.58	Maplewood Villages Ltd. Part of Lot 30, Concession 3 Vaughan ON L4K 4C3	ECA
<b>Approval No:</b>	0832-4ULJLQ	<b>MOE District:</b>	York-Durham		
<b>Approval Date:</b>	2001-03-14	<b>City:</b>			
<b>Status:</b>	Approved	<b>Longitude:</b>	-79.5081		
<b>Record Type:</b>	ECA	<b>Latitude:</b>	43.892900000000004		
<b>Link Source:</b>	IDS	<b>Geometry X:</b>			
<b>SWP Area Name:</b>	Toronto	<b>Geometry Y:</b>			
<b>Approval Type:</b>	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS				
<b>Project Type:</b>	MUNICIPAL AND PRIVATE SEWAGE WORKS				
<b>Address:</b>	Part of Lot 30, Concession 3				
<b>Full Address:</b>					
<b>Full PDF Link:</b>	<a href="https://www.accessenvironment.ene.gov.on.ca/instruments/5384-4UDKQN-14.pdf">https://www.accessenvironment.ene.gov.on.ca/instruments/5384-4UDKQN-14.pdf</a>				
<a href="#">28</a>	2 of 5	E/203.1	287.6 / -13.58	Maplewood Villages Ltd. Part of Lot 30, Concession 3 Vaughan ON L4K 4C3	ECA
<b>Approval No:</b>	0424-4U8JF8	<b>MOE District:</b>	York-Durham		
<b>Approval Date:</b>	2001-03-02	<b>City:</b>			
<b>Status:</b>	Approved	<b>Longitude:</b>	-79.5081		
<b>Record Type:</b>	ECA	<b>Latitude:</b>	43.892900000000004		
<b>Link Source:</b>	IDS	<b>Geometry X:</b>			
<b>SWP Area Name:</b>	Toronto	<b>Geometry Y:</b>			
<b>Approval Type:</b>	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS				
<b>Project Type:</b>	MUNICIPAL AND PRIVATE SEWAGE WORKS				
<b>Address:</b>	Part of Lot 30, Concession 3				
<b>Full Address:</b>					
<b>Full PDF Link:</b>	<a href="https://www.accessenvironment.ene.gov.on.ca/instruments/2034-4U5K9C-14.pdf">https://www.accessenvironment.ene.gov.on.ca/instruments/2034-4U5K9C-14.pdf</a>				
<a href="#">28</a>	3 of 5	E/203.1	287.6 / -13.58	Mario Cortellucci and Nick Cortellucci Part of Lots 30 & 31, Concessions 3 & 4 WYS Vaughan ON L4K 1H3	ECA
<b>Approval No:</b>	2398-5CYHK4	<b>MOE District:</b>	York-Durham		
<b>Approval Date:</b>	2002-08-14	<b>City:</b>			
<b>Status:</b>	Approved	<b>Longitude:</b>	-79.5081		
<b>Record Type:</b>	ECA	<b>Latitude:</b>	43.892900000000004		
<b>Link Source:</b>	IDS	<b>Geometry X:</b>			
<b>SWP Area Name:</b>	Toronto	<b>Geometry Y:</b>			
<b>Approval Type:</b>	ECA-Municipal and Private Water Works				
<b>Project Type:</b>	Municipal and Private Water Works				
<b>Address:</b>	Part of Lots 30 & 31, Concessions 3 & 4 WYS				
<b>Full Address:</b>					
<b>Full PDF Link:</b>					
<a href="#">28</a>	4 of 5	E/203.1	287.6 / -13.58	Maplewood Villages Ltd. Part of Lot 30, Concession 3 Vaughan ON L4K 4C3	ECA
<b>Approval No:</b>	1627-4U7MWG	<b>MOE District:</b>	York-Durham		
<b>Approval Date:</b>	2001-03-02	<b>City:</b>			
<b>Status:</b>	Approved	<b>Longitude:</b>	-79.5081		
<b>Record Type:</b>	ECA	<b>Latitude:</b>	43.892900000000004		
<b>Link Source:</b>	IDS	<b>Geometry X:</b>			
<b>SWP Area Name:</b>	Toronto	<b>Geometry Y:</b>			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB	
<b>Approval Type:</b> <b>Project Type:</b> <b>Address:</b> <b>Full Address:</b> <b>Full PDF Link:</b>		ECA-Municipal and Private Water Works Municipal and Private Water Works Part of Lot 30, Concession 3				
<a href="#">28</a>	5 of 5	E/203.1	287.6 / -13.58	Mario Cortellucci and Nick Cortellucci Part of Lots 30 & 31, Concessions 3 & 4 WYS Vaughan ON L4K 1H3	ECA	
<b>Approval No:</b> <b>Approval Date:</b> <b>Status:</b> <b>Record Type:</b> <b>Link Source:</b> <b>SWP Area Name:</b> <b>Approval Type:</b> <b>Project Type:</b> <b>Address:</b> <b>Full Address:</b> <b>Full PDF Link:</b>		6352-5CYH4R 2002-08-14 Approved ECA IDS Toronto ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS MUNICIPAL AND PRIVATE SEWAGE WORKS Part of Lots 30 & 31, Concessions 3 & 4 WYS https://www.accessenvironment.ene.gov.on.ca/instruments/6663-5CUR4N-14.pdf			<b>MOE District:</b> <b>City:</b> <b>Longitude:</b> <b>Latitude:</b> <b>Geometry X:</b> <b>Geometry Y:</b>	York-Durham York-Durham -79.5081 43.8929000000000004
<a href="#">29</a>	1 of 1	W/44.0	277.8 / -23.40	lot 31 con 4 ON	WWIS	
<b>Well ID:</b> <b>Construction Date:</b> <b>Primary Water Use:</b> <b>Sec. Water Use:</b> <b>Final Well Status:</b> <b>Water Type:</b> <b>Casing Material:</b> <b>Audit No:</b> <b>Tag:</b> <b>Construction Method:</b> <b>Elevation (m):</b> <b>Elevation Reliability:</b> <b>Depth to Bedrock:</b> <b>Well Depth:</b> <b>Overburden/Bedrock:</b> <b>Pump Rate:</b> <b>Static Water Level:</b> <b>Flowing (Y/N):</b> <b>Flow Rate:</b> <b>Clear/Cloudy:</b>		6922660 149018			<b>Data Entry Status:</b> <b>Data Src:</b> <b>Date Received:</b> <b>Selected Flag:</b> <b>Abandonment Rec:</b> <b>Contractor:</b> <b>Form Version:</b> <b>Owner:</b> <b>Street Name:</b> <b>County:</b> <b>Municipality:</b> <b>Site Info:</b> <b>Lot:</b> <b>Concession:</b> <b>Concession Name:</b> <b>Easting NAD83:</b> <b>Northing NAD83:</b> <b>Zone:</b> <b>UTM Reliability:</b>	1 7/15/1994 Yes 1129 1 YORK VAUGHAN TOWN (VAUGHAN TWP) 031 04 CON
<b><u>Bore Hole Information</u></b>						
<b>Bore Hole ID:</b> <b>DP2BR:</b> <b>Spatial Status:</b> <b>Code OB:</b> <b>Code OB Desc:</b> <b>Open Hole:</b> <b>Cluster Kind:</b> <b>Date Completed:</b> <b>Remarks:</b> <b>Elevrc Desc:</b> <b>Location Source Date:</b> <b>Improvement Location Source:</b>		10512963 Improved No formation data 2/2/1994 September 2003 Ministry of Environment Oak Ridges Moraine Policy Initiative 2001 (MOE ORM 2001): Database Revision and Update and Preparation of Profiles and Maps by Hunter and Associates, Ltd.			<b>Elevation:</b> <b>Elevrc:</b> <b>Zone:</b> <b>East83:</b> <b>North83:</b> <b>Org CS:</b> <b>UTMRC:</b> <b>UTMRC Desc:</b> <b>Location Method:</b>	278.074798 17 617844 4860650 N83 3 margin of error : 10 - 30 m

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Improvement Location Method:</b> GIS10000 <b>Source Revision Comment:</b> Location change based on OBM (UTM 1982)/Orthophoto (1999)/Parcels 2001 <b>Supplier Comment:</b>					
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b> <b>Method Construction Code:</b> 0 <b>Method Construction:</b> Not Known <b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b> 11061533 <b>Casing No:</b> 1 <b>Comment:</b> <b>Alt Name:</b>					
<a href="#">30</a>	1 of 1	W/214.2	279.5 / -21.68	K & K Holdings Limited Kirby Road west of Keele St Vaughan ON L4K 1H3	ECA
<b>Approval No:</b> 4932-84VGSZ <b>Approval Date:</b> 2010-04-26 <b>Status:</b> Approved <b>Record Type:</b> ECA <b>Link Source:</b> IDS <b>SWP Area Name:</b> Toronto <b>Approval Type:</b> ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS <b>Project Type:</b> MUNICIPAL AND PRIVATE SEWAGE WORKS <b>Address:</b> Kirby Road west of Keele St <b>Full Address:</b> <b>Full PDF Link:</b> <a href="https://www.accessenvironment.ene.gov.on.ca/instruments/3304-84PP5X-14.pdf">https://www.accessenvironment.ene.gov.on.ca/instruments/3304-84PP5X-14.pdf</a>					
<a href="#">31</a>	1 of 1	W/214.4	279.5 / -21.68	K & K Holdings Limited Kirby Road west of Keele St Vaughan ON	CA
<b>Certificate #:</b> 4932-84VGSZ <b>Application Year:</b> 2010 <b>Issue Date:</b> 4/26/2010 <b>Approval Type:</b> Municipal and Private Sewage Works <b>Status:</b> Approved <b>Application Type:</b> <b>Client Name:</b> <b>Client Address:</b> <b>Client City:</b> <b>Client Postal Code:</b> <b>Project Description:</b> <b>Contaminants:</b> <b>Emission Control:</b>					
<a href="#">32</a>	1 of 1	W/43.2	275.8 / -25.37	ON	BORE
<b>Borehole ID:</b> 590997 <b>OGF ID:</b> 215501592 <b>Status:</b> Unknown <b>Type:</b> Outcrop <b>Inclin FLG:</b> No <b>SP Status:</b> Initial Entry <b>Surv Elev:</b> No <b>Piezometer:</b> No					



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Use:</b> <b>Completion Date:</b> <b>Static Water Level:</b> <b>Primary Water Use:</b> <b>Sec. Water Use:</b> <b>Total Depth m:</b> .9 <b>Depth Ref:</b> Ground Surface <b>Depth Elev:</b> <b>Drill Method:</b> <b>Orig Ground Elev m:</b> 276 <b>Elev Reliabil Note:</b> <b>DEM Ground Elev m:</b> 276 <b>Concession:</b> <b>Location D:</b> <b>Survey D:</b> <b>Comments:</b>		<b>Primary Name:</b> OGS-OLW-62-741 <b>Municipality:</b> <b>Lot:</b> <b>Township:</b> <b>Latitude DD:</b> 43.889305 <b>Longitude DD:</b> -79.533901 <b>UTM Zone:</b> 17 <b>Easting:</b> 617762 <b>Northing:</b> 4860623 <b>Location Accuracy:</b> <b>Accuracy:</b> Not Applicable			
<b><u>Borehole Geology Stratum</u></b>					
<b>Geology Stratum ID:</b> 218340152 <b>Top Depth:</b> 0 <b>Bottom Depth:</b> .9 <b>Material Color:</b> <b>Material 1:</b> Till <b>Material 2:</b> Silt <b>Material 3:</b> Sand <b>Material 4:</b> <b>Gsc Material Description:</b> <b>Stratum Description:</b>		<b>Mat Consistency:</b> <b>Material Moisture:</b> <b>Material Texture:</b> <b>Non Geo Mat Type:</b> <b>Geologic Formation:</b> <b>Geologic Group:</b> <b>Geologic Period:</b> <b>Depositional Gen:</b>		Di si sa **Note: Many records provided by the department have a truncated [Stratum Description] field.	
<b><u>Source</u></b>					
<b>Source Type:</b> Data Survey <b>Source Orig:</b> Ontario Geological Survey <b>Source Date:</b> Varies to 2004 <b>Confidence:</b> H <b>Observatio:</b> <b>Source Name:</b> Ontario Geological Survey Fieldwork Mapping <b>Source Details:</b> YPDT Master Database A: 1571795378 <b>Confiden 1:</b> Location taken from OGS 1:50,000 maps by CAMC staff or consultants.		<b>Source Appl:</b> Spatial/Tabular <b>Source Iden:</b> 6 <b>Scale or Res:</b> 1:50,000 <b>Horizontal:</b> NAD83 <b>Verticalda:</b> Mean Average Sea Level			
<b><u>Source List</u></b>					
<b>Source Identifier:</b> 6 <b>Source Type:</b> Data Survey <b>Source Date:</b> Varies to 2004 <b>Scale or Resolution:</b> 1:50,000 <b>Source Name:</b> Ontario Geological Survey Fieldwork Mapping <b>Source Originators:</b> Ontario Geological Survey		<b>Horizontal Datum:</b> NAD83 <b>Vertical Datum:</b> Mean Average Sea Level <b>Projection Name:</b> Universal Transvers Mercator			

<a href="#"><u>33</u></a>	1 of 1	E/248.2	278.4 / -22.73	The Corporation of the City of Vaughan 300 Laurentian Blvd.<UNOFFICIAL> Vaughan ON L6A 2V3	SPL
<b>Ref No:</b> 6763-6A5H4T <b>Site No:</b> <b>Incident Dt:</b> 3/3/2005 <b>Year:</b> <b>Incident Cause:</b> Pipe Or Hose Leak <b>Incident Event:</b> <b>Contaminant Code:</b> <b>Contaminant Name:</b> SEWAGE,RAW UNCHLORINATED		<b>Discharger Report:</b> 0 <b>Material Group:</b> Waste <b>Health/Env Conseq:</b> <b>Client Type:</b> <b>Sector Type:</b> Sewer <b>Agency Involved:</b> <b>Nearest Watercourse:</b> <b>Site Address:</b>			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: Environment Impact: Nature of Impact: Receiving Medium: Receiving Env: MOE Response: Dt MOE Arvl on Scn: MOE Reported Dt: Dt Document Closed: Incident Reason: Site Name: Site County/District: Site Geo Ref Meth: Incident Summary: Contaminant Qty:	Not Anticipated Soil Contamination Land   3/3/2005  Equipment Failure 300 Laurentian Blvd.<UNOFFICIAL>			Site District Office: Site Postal Code: Site Region: Site Municipality: Site Lot: Site Conc: Northing: Easting: Site Geo Ref Accu: Site Map Datum: SAC Action Class: Source Type:	York-Durham  Vaughan  Spill to Land
<a href="#">34</a>	1 of 1	E/77.0	280.8 / -20.34	lot 30 con 3 ON	WWIS

Well ID: 6906505  
Construction Date:  
Primary Water Use:  
Sec. Water Use:  
Final Well Status: Test Hole  
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: 2/2/1960  
Selected Flag: Yes  
Abandonment Rec:  
Contractor: 2801  
Form Version: 1  
Owner:  
Street Name:  
County: YORK  
Municipality: VAUGHAN TOWN (VAUGHAN TWP)  
Site Info:  
Lot: 030  
Concession: 03  
Concession Name: CON  
Easting NAD83:  
Northing NAD83:  
Zone:  
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10497204  
DP2BR:  
Spatial Status:  
Code OB: o  
Code OB Desc: Overburden  
Open Hole:  
Cluster Kind:  
Date Completed: 9/16/1959  
Remarks:  
Elevrc Desc:  
Location Source Date:  
Improvement Location Source:  
Improvement Location Method:  
Source Revision Comment:  
Supplier Comment:

Elevation: 279.949279  
Elevrc:  
Zone: 17  
East83: 619970.6  
North83: 4861241  
Org CS:  
UTMRC: 9  
UTMRC Desc: unknown UTM  
Location Method: p9

Overburden and Bedrock  
Materials Interval

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Formation ID:</b>		932734095			
<b>Layer:</b>		7			
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		05			
<b>Most Common Material:</b>		CLAY			
<b>Mat2:</b>		09			
<b>Other Materials:</b>		MEDIUM SAND			
<b>Mat3:</b>		11			
<b>Other Materials:</b>		GRAVEL			
<b>Formation Top Depth:</b>		69			
<b>Formation End Depth:</b>		179			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		932734094			
<b>Layer:</b>		6			
<b>Color:</b>		3			
<b>General Color:</b>		BLUE			
<b>Mat1:</b>		05			
<b>Most Common Material:</b>		CLAY			
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		58			
<b>Formation End Depth:</b>		69			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		932734099			
<b>Layer:</b>		11			
<b>Color:</b>		3			
<b>General Color:</b>		BLUE			
<b>Mat1:</b>		05			
<b>Most Common Material:</b>		CLAY			
<b>Mat2:</b>		11			
<b>Other Materials:</b>		GRAVEL			
<b>Mat3:</b>		13			
<b>Other Materials:</b>		BOULDERS			
<b>Formation Top Depth:</b>		267			
<b>Formation End Depth:</b>		279			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		932734091			
<b>Layer:</b>		3			
<b>Color:</b>		3			
<b>General Color:</b>		BLUE			
<b>Mat1:</b>		05			
<b>Most Common Material:</b>		CLAY			
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		31			

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Formation End Depth:</b>			42		
<b>Formation End Depth UOM:</b>			ft		
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>			932734093		
<b>Layer:</b>			5		
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>			09		
<b>Most Common Material:</b>			MEDIUM SAND		
<b>Mat2:</b>			11		
<b>Other Materials:</b>			GRAVEL		
<b>Mat3:</b>			06		
<b>Other Materials:</b>			SILT		
<b>Formation Top Depth:</b>			53		
<b>Formation End Depth:</b>			58		
<b>Formation End Depth UOM:</b>			ft		
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>			932734089		
<b>Layer:</b>			1		
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>			09		
<b>Most Common Material:</b>			MEDIUM SAND		
<b>Mat2:</b>			06		
<b>Other Materials:</b>			SILT		
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>			0		
<b>Formation End Depth:</b>			12		
<b>Formation End Depth UOM:</b>			ft		
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>			932734096		
<b>Layer:</b>			8		
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>			05		
<b>Most Common Material:</b>			CLAY		
<b>Mat2:</b>			06		
<b>Other Materials:</b>			SILT		
<b>Mat3:</b>			09		
<b>Other Materials:</b>			MEDIUM SAND		
<b>Formation Top Depth:</b>			179		
<b>Formation End Depth:</b>			259		
<b>Formation End Depth UOM:</b>			ft		
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>			932734092		
<b>Layer:</b>			4		
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>			05		

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Most Common Material:</b> CLAY					
<b>Mat2:</b> 09					
<b>Other Materials:</b> MEDIUM SAND					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b> 42					
<b>Formation End Depth:</b> 53					
<b>Formation End Depth UOM:</b> ft					
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b> 932734097					
<b>Layer:</b> 9					
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b> 09					
<b>Most Common Material:</b> MEDIUM SAND					
<b>Mat2:</b> 11					
<b>Other Materials:</b> GRAVEL					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b> 259					
<b>Formation End Depth:</b> 262					
<b>Formation End Depth UOM:</b> ft					
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b> 932734090					
<b>Layer:</b> 2					
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b> 05					
<b>Most Common Material:</b> CLAY					
<b>Mat2:</b> 09					
<b>Other Materials:</b> MEDIUM SAND					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b> 12					
<b>Formation End Depth:</b> 31					
<b>Formation End Depth UOM:</b> ft					
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b> 932734098					
<b>Layer:</b> 10					
<b>Color:</b> 3					
<b>General Color:</b> BLUE					
<b>Mat1:</b> 05					
<b>Most Common Material:</b> CLAY					
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b> 262					
<b>Formation End Depth:</b> 267					
<b>Formation End Depth UOM:</b> ft					
<b><u>Method of Construction &amp; Well Use</u></b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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**Method Construction ID:**  
**Method Construction Code:** 2  
**Method Construction:** Rotary (Convent.)  
**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 11045774  
**Casing No:** 1  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 930809572  
**Layer:** 1  
**Material:**  
**Open Hole or Material:**  
**Depth From:**  
**Depth To:**  
**Casing Diameter:** 5  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

<a href="#">35</a>	1 of 1	ENE/47.5	283.4 / -17.77	lot 30 con 3 ON	WWIS
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<b>Well ID:</b> 6906504 <b>Construction Date:</b> <b>Primary Water Use:</b> <b>Sec. Water Use:</b> <b>Final Well Status:</b> Test Hole <b>Water Type:</b> <b>Casing Material:</b> <b>Audit No:</b> <b>Tag:</b> <b>Construction Method:</b> <b>Elevation (m):</b> <b>Elevation Reliability:</b> <b>Depth to Bedrock:</b> <b>Well Depth:</b> <b>Overburden/Bedrock:</b> <b>Pump Rate:</b> <b>Static Water Level:</b> <b>Flowing (Y/N):</b> <b>Flow Rate:</b> <b>Clear/Cloudy:</b>	<b>Data Entry Status:</b> <b>Data Src:</b> 1 <b>Date Received:</b> 2/2/1960 <b>Selected Flag:</b> Yes <b>Abandonment Rec:</b> <b>Contractor:</b> 2801 <b>Form Version:</b> 1 <b>Owner:</b> <b>Street Name:</b> <b>County:</b> YORK <b>Municipality:</b> VAUGHAN TOWN (VAUGHAN TWP) <b>Site Info:</b> <b>Lot:</b> 030 <b>Concession:</b> 03 <b>Concession Name:</b> CON <b>Easting NAD83:</b> <b>Northing NAD83:</b> <b>Zone:</b> <b>UTM Reliability:</b>
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**Bore Hole Information**

<b>Bore Hole ID:</b> 10497203 <b>DP2BR:</b> <b>Spatial Status:</b> <b>Code OB:</b> o <b>Code OB Desc:</b> Overburden <b>Open Hole:</b> <b>Cluster Kind:</b> <b>Date Completed:</b> 9/11/1959 <b>Remarks:</b> <b>Elevrc Desc:</b> <b>Location Source Date:</b>	<b>Elevation:</b> 283.75711 <b>Elevrc:</b> <b>Zone:</b> 17 <b>East83:</b> 619999.6 <b>North83:</b> 4861282 <b>Org CS:</b> <b>UTMRC:</b> 9 <b>UTMRC Desc:</b> unknown UTM <b>Location Method:</b> p9
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<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					
<b>Source Revision Comment:</b>					
<b>Supplier Comment:</b>					
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		932734086			
<b>Layer:</b>		4			
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		09			
<b>Most Common Material:</b>		MEDIUM SAND			
<b>Mat2:</b>		06			
<b>Other Materials:</b>		SILT			
<b>Mat3:</b>		05			
<b>Other Materials:</b>		CLAY			
<b>Formation Top Depth:</b>		227			
<b>Formation End Depth:</b>		257			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		932734084			
<b>Layer:</b>		2			
<b>Color:</b>		6			
<b>General Color:</b>		BROWN			
<b>Mat1:</b>		05			
<b>Most Common Material:</b>		CLAY			
<b>Mat2:</b>		09			
<b>Other Materials:</b>		MEDIUM SAND			
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		14			
<b>Formation End Depth:</b>		33			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		932734087			
<b>Layer:</b>		5			
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		06			
<b>Most Common Material:</b>		SILT			
<b>Mat2:</b>		09			
<b>Other Materials:</b>		MEDIUM SAND			
<b>Mat3:</b>		11			
<b>Other Materials:</b>		GRAVEL			
<b>Formation Top Depth:</b>		257			
<b>Formation End Depth:</b>		280			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		932734085			
<b>Layer:</b>		3			
<b>Color:</b>		3			

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>General Color:</b>		BLUE			
<b>Mat1:</b>		05			
<b>Most Common Material:</b>		CLAY			
<b>Mat2:</b>		09			
<b>Other Materials:</b>		MEDIUM SAND			
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		33			
<b>Formation End Depth:</b>		227			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		932734088			
<b>Layer:</b>		6			
<b>Color:</b>		3			
<b>General Color:</b>		BLUE			
<b>Mat1:</b>		05			
<b>Most Common Material:</b>		CLAY			
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		280			
<b>Formation End Depth:</b>		281			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		932734083			
<b>Layer:</b>		1			
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		09			
<b>Most Common Material:</b>		MEDIUM SAND			
<b>Mat2:</b>		06			
<b>Other Materials:</b>		SILT			
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		0			
<b>Formation End Depth:</b>		14			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well</u></b>					
<b><u>Use</u></b>					
<b>Method Construction ID:</b>					
<b>Method Construction Code:</b>		2			
<b>Method Construction:</b>		Rotary (Convent.)			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		11045773			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Casing ID:</b> <b>Layer:</b> <b>Material:</b> <b>Open Hole or Material:</b> <b>Depth From:</b> <b>Depth To:</b> <b>Casing Diameter:</b> <b>Casing Diameter UOM:</b> <b>Casing Depth UOM:</b>		930809571 1			
<a href="#">36</a>	1 of 1	E/52.3	282.2 / -18.94	10 FOOT HILLS ROAD MAPLE ON L6A 2V6	HINC
<b>External File Num:</b> <b>Fuel Occurrence Type:</b> <b>Date of Occurrence:</b> <b>Fuel Type Involved:</b> <b>Status Desc:</b> <b>Job Type Desc:</b> <b>Oper. Type Involved:</b> <b>Service Interruptions:</b> <b>Property Damage:</b> <b>Fuel Life Cycle Stage:</b> <b>Root Cause:</b>  <b>Reported Details:</b> <b>Fuel Category:</b> <b>Occurrence Type:</b> <b>Affiliation:</b> <b>County Name:</b> <b>Approx. Quant. Rel:</b> <b>Nearby body of water:</b> <b>Enter Drainage Syst.:</b> <b>Approx. Quant. Unit:</b> <b>Environmental Impact:</b>		FS INC 0906-03491 Pipeline Strike 6/11/2009 Natural Gas Completed - Causal Analysis(End) Incident/Near-Miss Occurrence (FS) Construction Site (pipeline strike) Yes No Transmission, Distribution and Transportation Root Cause: Equipment/Material/Component:No Procedures:No Maintenance:No Design:No Training:No Management:Yes Human Factors:Yes  Gaseous Fuel Incident Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.) York			
<a href="#">37</a>	1 of 1	E/82.5	279.0 / -22.18	lot 30 con 3 ON	WWIS
<b>Well ID:</b> <b>Construction Date:</b> <b>Primary Water Use:</b> <b>Sec. Water Use:</b> <b>Final Well Status:</b> <b>Water Type:</b> <b>Casing Material:</b> <b>Audit No:</b> <b>Tag:</b> <b>Construction Method:</b> <b>Elevation (m):</b> <b>Elevation Reliability:</b> <b>Depth to Bedrock:</b> <b>Well Depth:</b> <b>Overburden/Bedrock:</b> <b>Pump Rate:</b> <b>Static Water Level:</b> <b>Flowing (Y/N):</b> <b>Flow Rate:</b> <b>Clear/Cloudy:</b>		6906502 Test Hole		<b>Data Entry Status:</b> <b>Data Src:</b> <b>Date Received:</b> <b>Selected Flag:</b> <b>Abandonment Rec:</b> <b>Contractor:</b> <b>Form Version:</b> <b>Owner:</b> <b>Street Name:</b> <b>County:</b> <b>Municipality:</b> <b>Site Info:</b> <b>Lot:</b> <b>Concession:</b> <b>Concession Name:</b> <b>Easting NAD83:</b> <b>Northing NAD83:</b> <b>Zone:</b> <b>UTM Reliability:</b>	1 2/2/1960 Yes 2801 1 YORK VAUGHAN TOWN (VAUGHAN TWP) 030 03 CON

**Bore Hole Information**

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Bore Hole ID:</b>	10497201			<b>Elevation:</b>	279.234466
<b>DP2BR:</b>				<b>Elevrc:</b>	
<b>Spatial Status:</b>				<b>Zone:</b>	17
<b>Code OB:</b>	o			<b>East83:</b>	620232.6
<b>Code OB Desc:</b>	Overburden			<b>North83:</b>	4861324
<b>Open Hole:</b>				<b>Org CS:</b>	
<b>Cluster Kind:</b>				<b>UTMRC:</b>	9
<b>Date Completed:</b>	8/20/1959			<b>UTMRC Desc:</b>	unknown UTM
<b>Remarks:</b>				<b>Location Method:</b>	p9
<b>Elevrc Desc:</b>					
<b>Location Source Date:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					
<b>Source Revision Comment:</b>					
<b>Supplier Comment:</b>					

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 932734078  
**Layer:** 12  
**Color:** 3  
**General Color:** BLUE  
**Mat1:** 05  
**Most Common Material:** CLAY  
**Mat2:** 11  
**Other Materials:** GRAVEL  
**Mat3:** 13  
**Other Materials:** BOULDERS  
**Formation Top Depth:** 316  
**Formation End Depth:** 330  
**Formation End Depth UOM:** ft

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 932734071  
**Layer:** 5  
**Color:**  
**General Color:**  
**Mat1:** 09  
**Most Common Material:** MEDIUM SAND  
**Mat2:** 06  
**Other Materials:** SILT  
**Mat3:**  
**Other Materials:**  
**Formation Top Depth:** 43  
**Formation End Depth:** 46  
**Formation End Depth UOM:** ft

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 932734067  
**Layer:** 1  
**Color:**  
**General Color:**  
**Mat1:** 05  
**Most Common Material:** CLAY  
**Mat2:** 09  
**Other Materials:** MEDIUM SAND  
**Mat3:**  
**Other Materials:**

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Formation Top Depth:</b>			0		
<b>Formation End Depth:</b>			2		
<b>Formation End Depth UOM:</b>			ft		
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>			932734075		
<b>Layer:</b>			9		
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>			09		
<b>Most Common Material:</b>			MEDIUM SAND		
<b>Mat2:</b>			11		
<b>Other Materials:</b>			GRAVEL		
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>			264		
<b>Formation End Depth:</b>			268		
<b>Formation End Depth UOM:</b>			ft		
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>			932734076		
<b>Layer:</b>			10		
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>			14		
<b>Most Common Material:</b>			HARDPAN		
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>			268		
<b>Formation End Depth:</b>			272		
<b>Formation End Depth UOM:</b>			ft		
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>			932734073		
<b>Layer:</b>			7		
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>			09		
<b>Most Common Material:</b>			MEDIUM SAND		
<b>Mat2:</b>			05		
<b>Other Materials:</b>			CLAY		
<b>Mat3:</b>			11		
<b>Other Materials:</b>			GRAVEL		
<b>Formation Top Depth:</b>			53		
<b>Formation End Depth:</b>			144		
<b>Formation End Depth UOM:</b>			ft		
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>			932734077		
<b>Layer:</b>			11		
<b>Color:</b>			3		
<b>General Color:</b>			BLUE		

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Mat1:</b>			05		
<b>Most Common Material:</b>			CLAY		
<b>Mat2:</b>			09		
<b>Other Materials:</b>			MEDIUM SAND		
<b>Mat3:</b>			11		
<b>Other Materials:</b>			GRAVEL		
<b>Formation Top Depth:</b>			272		
<b>Formation End Depth:</b>			316		
<b>Formation End Depth UOM:</b>			ft		
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>			932734068		
<b>Layer:</b>			2		
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>			05		
<b>Most Common Material:</b>			CLAY		
<b>Mat2:</b>			11		
<b>Other Materials:</b>			GRAVEL		
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>			2		
<b>Formation End Depth:</b>			6		
<b>Formation End Depth UOM:</b>			ft		
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>			932734072		
<b>Layer:</b>			6		
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>			05		
<b>Most Common Material:</b>			CLAY		
<b>Mat2:</b>			11		
<b>Other Materials:</b>			GRAVEL		
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>			46		
<b>Formation End Depth:</b>			53		
<b>Formation End Depth UOM:</b>			ft		
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>			932734070		
<b>Layer:</b>			4		
<b>Color:</b>			6		
<b>General Color:</b>			BROWN		
<b>Mat1:</b>			05		
<b>Most Common Material:</b>			CLAY		
<b>Mat2:</b>			11		
<b>Other Materials:</b>			GRAVEL		
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>			16		
<b>Formation End Depth:</b>			43		
<b>Formation End Depth UOM:</b>			ft		
<b><u>Overburden and Bedrock</u></b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		932734069			
<b>Layer:</b>		3			
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		05			
<b>Most Common Material:</b>		CLAY			
<b>Mat2:</b>		09			
<b>Other Materials:</b>		MEDIUM SAND			
<b>Mat3:</b>		13			
<b>Other Materials:</b>		BOULDERS			
<b>Formation Top Depth:</b>		6			
<b>Formation End Depth:</b>		16			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		932734074			
<b>Layer:</b>		8			
<b>Color:</b>		3			
<b>General Color:</b>		BLUE			
<b>Mat1:</b>		05			
<b>Most Common Material:</b>		CLAY			
<b>Mat2:</b>		09			
<b>Other Materials:</b>		MEDIUM SAND			
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		144			
<b>Formation End Depth:</b>		264			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well</u></b>					
<b><u>Use</u></b>					
<b>Method Construction ID:</b>					
<b>Method Construction Code:</b>		2			
<b>Method Construction:</b>		Rotary (Convent.)			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		11045771			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930809569			
<b>Layer:</b>		1			
<b>Material:</b>					
<b>Open Hole or Material:</b>					
<b>Depth From:</b>					
<b>Depth To:</b>					
<b>Casing Diameter:</b>		5			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b>38</b>	<b>1 of 2</b>	<b>E/108.9</b>	<b>280.3 / -20.85</b>	<b>97 ADIRONDACK DR, MAPLE</b>	<b>PINC</b>

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>ON</b>					
<b>Incident ID:</b>				<b>Health Impact:</b>	
<b>Incident No:</b>	1869532			<b>Environment Impact:</b>	
<b>Type:</b>	FS-Pipeline Incident			<b>Property Damage:</b>	No
<b>Status Code:</b>	Pipeline Damage Reason Est			<b>Service Interrupt:</b>	
<b>Fuel Occurrence Tp:</b>				<b>Enforce Policy:</b>	Yes
<b>Fuel Type:</b>				<b>Public Relation:</b>	
<b>Tank Status:</b>	RC Established			<b>Pipeline System:</b>	
<b>Task No:</b>	6177130			<b>Depth:</b>	
<b>Spills Action Centre:</b>				<b>Pipe Material:</b>	
<b>Method Details:</b>	E-mail			<b>PSIG:</b>	
<b>Fuel Category:</b>	Natural Gas			<b>Attribute Category:</b>	FS-Perform P-line Inc Invest
<b>Date of Occurrence:</b>				<b>Regulator Location:</b>	
<b>Occurrence Start Date:</b>	2016/05/31				
<b>Operation Type:</b>					
<b>Pipeline Type:</b>					
<b>Regulator Type:</b>					
<b>Summary:</b>	97 ADIRONDACK DR, MAPLE - PIPELINE HIT - 1/2"				
<b>Reported By:</b>	Andrew Chin - Enbridge Gas				
<b>Affiliation:</b>					
<b>Occurrence Desc:</b>					
<b>Damage Reason:</b>	No notification made to the one call center				
<b>Notes:</b>					
<a href="#">38</a>	2 of 2	E/108.9	280.3 / -20.85	<b>Enbridge Gas Distribution Inc. 97 Adirondack Drive, Maple Vaughan ON</b>	<b>SPL</b>
<b>Ref No:</b>	1340-AA5KTR			<b>Discharger Report:</b>	
<b>Site No:</b>	NA			<b>Material Group:</b>	
<b>Incident Dt:</b>	2016/05/20			<b>Health/Env Conseq:</b>	
<b>Year:</b>				<b>Client Type:</b>	
<b>Incident Cause:</b>				<b>Sector Type:</b>	Unknown / N/A
<b>Incident Event:</b>	Leak/Break			<b>Agency Involved:</b>	
<b>Contaminant Code:</b>	35			<b>Nearest Watercourse:</b>	
<b>Contaminant Name:</b>	NATURAL GAS (METHANE)			<b>Site Address:</b>	97 Adirondack Drive, Maple
<b>Contaminant Limit 1:</b>				<b>Site District Office:</b>	
<b>Contam Limit Freq 1:</b>				<b>Site Postal Code:</b>	
<b>Contaminant UN No 1:</b>				<b>Site Region:</b>	
<b>Environment Impact:</b>				<b>Site Municipality:</b>	Vaughan
<b>Nature of Impact:</b>				<b>Site Lot:</b>	
<b>Receiving Medium:</b>				<b>Site Conc:</b>	
<b>Receiving Env:</b>	Air			<b>Northing:</b>	
<b>MOE Response:</b>	No			<b>Easting:</b>	
<b>Dt MOE Arvl on Scn:</b>				<b>Site Geo Ref Accu:</b>	
<b>MOE Reported Dt:</b>	2016/05/20			<b>Site Map Datum:</b>	
<b>Dt Document Closed:</b>	2016/08/16			<b>SAC Action Class:</b>	TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill
<b>Incident Reason:</b>	Operator/Human Error			<b>Source Type:</b>	
<b>Site Name:</b>	Household<UNOFFICIAL>				
<b>Site County/District:</b>					
<b>Site Geo Ref Meth:</b>					
<b>Incident Summary:</b>	TSSA FSB: 1/2" pl single service line strike, made safe				
<b>Contaminant Qty:</b>	0 L				
<a href="#">39</a>	1 of 1	WSW/29.9	274.0 / -27.15	<b>lot 31 con 5 ON</b>	<b>WWIS</b>
<b>Well ID:</b>	6922625			<b>Data Entry Status:</b>	
<b>Construction Date:</b>				<b>Data Src:</b>	1

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB	
				<b>Primary Water Use:</b> <b>Sec. Water Use:</b> <b>Final Well Status:</b> <b>Water Type:</b> <b>Casing Material:</b> <b>Audit No:</b> 149016 <b>Tag:</b> <b>Construction Method:</b> <b>Elevation (m):</b> <b>Elevation Reliability:</b> <b>Depth to Bedrock:</b> <b>Well Depth:</b> <b>Overburden/Bedrock:</b> <b>Pump Rate:</b> <b>Static Water Level:</b> <b>Flowing (Y/N):</b> <b>Flow Rate:</b> <b>Clear/Cloudy:</b>	<b>Date Received:</b> 6/20/1994 <b>Selected Flag:</b> Yes <b>Abandonment Rec:</b> <b>Contractor:</b> 6809 <b>Form Version:</b> 1 <b>Owner:</b> <b>Street Name:</b> <b>County:</b> YORK <b>Municipality:</b> VAUGHAN TOWN (VAUGHAN TWP) <b>Site Info:</b> <b>Lot:</b> 031 <b>Concession:</b> 05 <b>Concession Name:</b> CON <b>Easting NAD83:</b> <b>Northing NAD83:</b> <b>Zone:</b> <b>UTM Reliability:</b>	
<b><u>Bore Hole Information</u></b>						
				<b>Bore Hole ID:</b> 10512928 <b>DP2BR:</b> <b>Spatial Status:</b> Improved <b>Code OB:</b> - <b>Code OB Desc:</b> No formation data <b>Open Hole:</b> <b>Cluster Kind:</b> <b>Date Completed:</b> 3/31/1994 <b>Remarks:</b> <b>Elevrc Desc:</b> <b>Location Source Date:</b> September 2003 <b>Improvement Location Source:</b> Ministry of Environment Oak Ridges Moraine Policy Initiative 2001 (MOE ORM 2001): Database Revision and Update and Preparation of Profiles and Maps by Hunter and Associates, Ltd. <b>Improvement Location Method:</b> GIS10000 <b>Source Revision Comment:</b> Location change based on OBM (UTM 1982)/Orthophoto (1999)/Parcels 2001 <b>Supplier Comment:</b>	<b>Elevation:</b> 273.863983 <b>Elevrc:</b> <b>Zone:</b> 17 <b>East83:</b> 617363 <b>North83:</b> 4860481 <b>Org CS:</b> N83 <b>UTMRC:</b> 3 <b>UTMRC Desc:</b> margin of error : 10 - 30 m <b>Location Method:</b>	
<b><u>Method of Construction &amp; Well Use</u></b>						
				<b>Method Construction ID:</b> <b>Method Construction Code:</b> 0 <b>Method Construction:</b> Not Known <b>Other Method Construction:</b>		
<b><u>Pipe Information</u></b>						
				<b>Pipe ID:</b> 11061498 <b>Casing No:</b> 1 <b>Comment:</b> <b>Alt Name:</b>		
<a href="#">40</a>	1 of 1	W/100.0	275.3 / -25.89	lot 31 con 4 ON	WWIS	
				<b>Well ID:</b> 6913971 <b>Construction Date:</b> <b>Primary Water Use:</b> Domestic <b>Sec. Water Use:</b> 0 <b>Final Well Status:</b> Water Supply <b>Water Type:</b>	<b>Data Entry Status:</b> <b>Data Src:</b> 1 <b>Date Received:</b> 6/7/1977 <b>Selected Flag:</b> Yes <b>Abandonment Rec:</b> <b>Contractor:</b> 3108	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Casing Material:</b>				<b>Form Version:</b>	1
<b>Audit No:</b>				<b>Owner:</b>	
<b>Tag:</b>				<b>Street Name:</b>	
<b>Construction Method:</b>				<b>County:</b>	YORK
<b>Elevation (m):</b>				<b>Municipality:</b>	VAUGHAN TOWN (VAUGHAN TWP)
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b>	031
<b>Well Depth:</b>				<b>Concession:</b>	04
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b>	CON
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					

**Bore Hole Information**

<b>Bore Hole ID:</b>	10504548	<b>Elevation:</b>	275.431732
<b>DP2BR:</b>		<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	17
<b>Code OB:</b>	o	<b>East83:</b>	617264.6
<b>Code OB Desc:</b>	Overburden	<b>North83:</b>	4860523
<b>Open Hole:</b>		<b>Org CS:</b>	
<b>Cluster Kind:</b>		<b>UTMRC:</b>	5
<b>Date Completed:</b>	4/26/1977	<b>UTMRC Desc:</b>	margin of error : 100 m - 300 m
<b>Remarks:</b>		<b>Location Method:</b>	p5
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

**Overburden and Bedrock**

**Materials Interval**

<b>Formation ID:</b>	932768049
<b>Layer:</b>	5
<b>Color:</b>	6
<b>General Color:</b>	BROWN
<b>Mat1:</b>	28
<b>Most Common Material:</b>	SAND
<b>Mat2:</b>	
<b>Other Materials:</b>	
<b>Mat3:</b>	
<b>Other Materials:</b>	
<b>Formation Top Depth:</b>	91
<b>Formation End Depth:</b>	95
<b>Formation End Depth UOM:</b>	ft

**Overburden and Bedrock**

**Materials Interval**

<b>Formation ID:</b>	932768047
<b>Layer:</b>	3
<b>Color:</b>	6
<b>General Color:</b>	BROWN
<b>Mat1:</b>	05
<b>Most Common Material:</b>	CLAY
<b>Mat2:</b>	72
<b>Other Materials:</b>	GRAVELLY
<b>Mat3:</b>	
<b>Other Materials:</b>	



<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Formation Top Depth:</b>		18			
<b>Formation End Depth:</b>		66			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		932768048			
<b>Layer:</b>		4			
<b>Color:</b>		2			
<b>General Color:</b>		GREY			
<b>Mat1:</b>		05			
<b>Most Common Material:</b>		CLAY			
<b>Mat2:</b>		81			
<b>Other Materials:</b>		SANDY			
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		66			
<b>Formation End Depth:</b>		91			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		932768046			
<b>Layer:</b>		2			
<b>Color:</b>		6			
<b>General Color:</b>		BROWN			
<b>Mat1:</b>		05			
<b>Most Common Material:</b>		CLAY			
<b>Mat2:</b>		81			
<b>Other Materials:</b>		SANDY			
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		3			
<b>Formation End Depth:</b>		18			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		932768045			
<b>Layer:</b>		1			
<b>Color:</b>		8			
<b>General Color:</b>		BLACK			
<b>Mat1:</b>		02			
<b>Most Common Material:</b>		TOPSOIL			
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		0			
<b>Formation End Depth:</b>		3			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>					
<b>Method Construction Code:</b>		2			
<b>Method Construction:</b>		Rotary (Convent.)			
<b>Other Method Construction:</b>					

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		11053118			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930817581			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		91			
<b>Casing Diameter:</b>		6			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>		933392900			
<b>Layer:</b>		1			
<b>Slot:</b>		014			
<b>Screen Top Depth:</b>		92			
<b>Screen End Depth:</b>		95			
<b>Screen Material:</b>					
<b>Screen Depth UOM:</b>		ft			
<b>Screen Diameter UOM:</b>		inch			
<b>Screen Diameter:</b>		6			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		996913971			
<b>Pump Set At:</b>					
<b>Static Level:</b>		53			
<b>Final Level After Pumping:</b>		90			
<b>Recommended Pump Depth:</b>		94			
<b>Pumping Rate:</b>		15			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>		7			
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>		1			
<b>Water State After Test:</b>		CLEAR			
<b>Pumping Test Method:</b>		1			
<b>Pumping Duration HR:</b>		2			
<b>Pumping Duration MIN:</b>		0			
<b>Flowing:</b>		N			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		933997131			
<b>Layer:</b>		1			
<b>Kind Code:</b>		5			
<b>Kind:</b>		Not stated			
<b>Water Found Depth:</b>		91			
<b>Water Found Depth UOM:</b>		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<a href="#">41</a>	1 of 2	E/113.8	284.4 / -16.76	MAPLEVIEW RAVINES LTD. LAURENTIAN BLVD/ADIRONDACK DR. VAUGHAN CITY ON	CA

**Certificate #:** 7-0615-97-  
**Application Year:** 97  
**Issue Date:** 7/8/1997  
**Approval Type:** Municipal water  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

<a href="#">41</a>	2 of 2	E/113.8	284.4 / -16.76	MAPLEVIEW RAVINES LTD. LAURENTIAN BLVD/ADIRONDACK DR. VAUGHAN CITY ON	CA
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**Certificate #:** 3-0802-97-  
**Application Year:** 97  
**Issue Date:** 7/8/1997  
**Approval Type:** Municipal sewage  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

<a href="#">42</a>	1 of 1	WSW/6.4	274.9 / -26.31	Vaughan ON	WWIS
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<b>Well ID:</b> 7296803	<b>Data Entry Status:</b>
<b>Construction Date:</b>	<b>Data Src:</b>
<b>Primary Water Use:</b> Test Hole	<b>Date Received:</b> 10/6/2017
<b>Sec. Water Use:</b>	<b>Selected Flag:</b> Yes
<b>Final Well Status:</b> Test Hole	<b>Abandonment Rec:</b>
<b>Water Type:</b>	<b>Contractor:</b> 7215
<b>Casing Material:</b>	<b>Form Version:</b> 7
<b>Audit No:</b> Z264200	<b>Owner:</b>
<b>Tag:</b> A232251	<b>Street Name:</b> 2932 KIRBY ROAD
<b>Construction Method:</b>	<b>County:</b> YORK
<b>Elevation (m):</b>	<b>Municipality:</b> VAUGHAN TOWN (VAUGHAN TWP)
<b>Elevation Reliability:</b>	<b>Site Info:</b>
<b>Depth to Bedrock:</b>	<b>Lot:</b>
<b>Well Depth:</b>	<b>Concession:</b>
<b>Overburden/Bedrock:</b>	<b>Concession Name:</b>
<b>Pump Rate:</b>	<b>Easting NAD83:</b>
<b>Static Water Level:</b>	<b>Northing NAD83:</b>
<b>Flowing (Y/N):</b>	<b>Zone:</b>
<b>Flow Rate:</b>	<b>UTM Reliability:</b>
<b>Clear/Cloudy:</b>	

**Bore Hole Information**

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Bore Hole ID:</b>	1006758468			<b>Elevation:</b>	274.654663
<b>DP2BR:</b>				<b>Elevrc:</b>	
<b>Spatial Status:</b>				<b>Zone:</b>	17
<b>Code OB:</b>				<b>East83:</b>	617136
<b>Code OB Desc:</b>				<b>North83:</b>	4860370
<b>Open Hole:</b>				<b>Org CS:</b>	UTM83
<b>Cluster Kind:</b>				<b>UTMRC:</b>	4
<b>Date Completed:</b>	8/23/2017			<b>UTMRC Desc:</b>	margin of error : 30 m - 100 m
<b>Remarks:</b>				<b>Location Method:</b>	wwr
<b>Elevrc Desc:</b>					
<b>Location Source Date:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					
<b>Source Revision Comment:</b>					
<b>Supplier Comment:</b>					

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 1006924010  
**Layer:** 3  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 28  
**Most Common Material:** SAND  
**Mat2:**  
**Other Materials:**  
**Mat3:**  
**Other Materials:**  
**Formation Top Depth:** 20  
**Formation End Depth:** 23  
**Formation End Depth UOM:** ft

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 1006924008  
**Layer:** 1  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 01  
**Most Common Material:** FILL  
**Mat2:**  
**Other Materials:**  
**Mat3:**  
**Other Materials:**  
**Formation Top Depth:** 0  
**Formation End Depth:** 4  
**Formation End Depth UOM:** ft

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 1006924009  
**Layer:** 2  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 06  
**Most Common Material:** SILT  
**Mat2:** 34  
**Other Materials:** TILL  
**Mat3:** 05  
**Other Materials:** CLAY

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Formation Top Depth:</b>	4				
<b>Formation End Depth:</b>	20				
<b>Formation End Depth UOM:</b>	ft				
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>	1006924011				
<b>Layer:</b>	4				
<b>Color:</b>	2				
<b>General Color:</b>	GREY				
<b>Mat1:</b>	06				
<b>Most Common Material:</b>	SILT				
<b>Mat2:</b>	28				
<b>Other Materials:</b>	SAND				
<b>Mat3:</b>	66				
<b>Other Materials:</b>	DENSE				
<b>Formation Top Depth:</b>	23				
<b>Formation End Depth:</b>	50				
<b>Formation End Depth UOM:</b>	ft				
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>	1006924012				
<b>Layer:</b>	5				
<b>Color:</b>	2				
<b>General Color:</b>	GREY				
<b>Mat1:</b>	28				
<b>Most Common Material:</b>	SAND				
<b>Mat2:</b>	06				
<b>Other Materials:</b>	SILT				
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>	50				
<b>Formation End Depth:</b>	65				
<b>Formation End Depth UOM:</b>	ft				
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>	1006924020				
<b>Layer:</b>	2				
<b>Plug From:</b>	1				
<b>Plug To:</b>	50				
<b>Plug Depth UOM:</b>	ft				
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>	1006924022				
<b>Layer:</b>	4				
<b>Plug From:</b>	53				
<b>Plug To:</b>	65				
<b>Plug Depth UOM:</b>	ft				
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>	1006924019				
<b>Layer:</b>	1				
<b>Plug From:</b>	0				

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Plug To:</b>	1				
<b>Plug Depth UOM:</b>	ft				
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>	1006924021				
<b>Layer:</b>	3				
<b>Plug From:</b>	50				
<b>Plug To:</b>	53				
<b>Plug Depth UOM:</b>	ft				
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>					
<b>Method Construction Code:</b>	2				
<b>Method Construction:</b>	Rotary (Convent.)				
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>	1006924007				
<b>Casing No:</b>	0				
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>	1006924015				
<b>Layer:</b>	1				
<b>Material:</b>	5				
<b>Open Hole or Material:</b>	PLASTIC				
<b>Depth From:</b>	0				
<b>Depth To:</b>	55				
<b>Casing Diameter:</b>	2				
<b>Casing Diameter UOM:</b>	inch				
<b>Casing Depth UOM:</b>	ft				
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>	1006924016				
<b>Layer:</b>	1				
<b>Slot:</b>	10				
<b>Screen Top Depth:</b>	55				
<b>Screen End Depth:</b>	65				
<b>Screen Material:</b>	5				
<b>Screen Depth UOM:</b>	ft				
<b>Screen Diameter UOM:</b>	inch				
<b>Screen Diameter:</b>	2				
<b><u>Hole Diameter</u></b>					
<b>Hole ID:</b>	1006924013				
<b>Diameter:</b>	9				
<b>Depth From:</b>	0				
<b>Depth To:</b>	65				
<b>Hole Depth UOM:</b>	ft				
<b>Hole Diameter UOM:</b>	inch				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<a href="#">43</a>	1 of 1	ENE/34.0	286.3 / -14.89	lot 31 con 3 ON	WWIS
<b>Well ID:</b> 6906506 <b>Construction Date:</b> <b>Primary Water Use:</b> <b>Sec. Water Use:</b> <b>Final Well Status:</b> Test Hole <b>Water Type:</b> <b>Casing Material:</b> <b>Audit No:</b> <b>Tag:</b> <b>Construction Method:</b> <b>Elevation (m):</b> <b>Elevation Reliability:</b> <b>Depth to Bedrock:</b> <b>Well Depth:</b> <b>Overburden/Bedrock:</b> <b>Pump Rate:</b> <b>Static Water Level:</b> <b>Flowing (Y/N):</b> <b>Flow Rate:</b> <b>Clear/Cloudy:</b>		<b>Data Entry Status:</b> <b>Data Src:</b> 1 <b>Date Received:</b> 2/2/1960 <b>Selected Flag:</b> Yes <b>Abandonment Rec:</b> <b>Contractor:</b> 2801 <b>Form Version:</b> 1 <b>Owner:</b> <b>Street Name:</b> <b>County:</b> YORK <b>Municipality:</b> VAUGHAN TOWN (VAUGHAN TWP) <b>Site Info:</b> <b>Lot:</b> 031 <b>Concession:</b> 03 <b>Concession Name:</b> CON <b>Easting NAD83:</b> <b>Northing NAD83:</b> <b>Zone:</b> <b>UTM Reliability:</b>			
<b><u>Bore Hole Information</u></b>					
<b>Bore Hole ID:</b> 10497205 <b>DP2BR:</b> <b>Spatial Status:</b> <b>Code OB:</b> 0 <b>Code OB Desc:</b> Overburden <b>Open Hole:</b> <b>Cluster Kind:</b> <b>Date Completed:</b> 8/12/1959 <b>Remarks:</b> <b>Elevrc Desc:</b> <b>Location Source Date:</b> <b>Improvement Location Source:</b> <b>Improvement Location Method:</b> <b>Source Revision Comment:</b> <b>Supplier Comment:</b>		<b>Elevation:</b> 284.297546 <b>Elevrc:</b> <b>Zone:</b> 17 <b>East83:</b> 620498.6 <b>North83:</b> 4861537 <b>Org CS:</b> <b>UTMRC:</b> 9 <b>UTMRC Desc:</b> unknown UTM <b>Location Method:</b> p9			
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b> 932734104 <b>Layer:</b> 5 <b>Color:</b> <b>General Color:</b> <b>Mat1:</b> 05 <b>Most Common Material:</b> CLAY <b>Mat2:</b> 11 <b>Other Materials:</b> GRAVEL <b>Mat3:</b> 09 <b>Other Materials:</b> MEDIUM SAND <b>Formation Top Depth:</b> 130 <b>Formation End Depth:</b> 158 <b>Formation End Depth UOM:</b> ft					
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b> 932734107					

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Layer:</b>		8			
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		14			
<b>Most Common Material:</b>		HARDPAN			
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		240			
<b>Formation End Depth:</b>		243			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		932734103			
<b>Layer:</b>		4			
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		05			
<b>Most Common Material:</b>		CLAY			
<b>Mat2:</b>		09			
<b>Other Materials:</b>		MEDIUM SAND			
<b>Mat3:</b>		06			
<b>Other Materials:</b>		SILT			
<b>Formation Top Depth:</b>		25			
<b>Formation End Depth:</b>		130			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		932734100			
<b>Layer:</b>		1			
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		02			
<b>Most Common Material:</b>		TOPSOIL			
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		0			
<b>Formation End Depth:</b>		1			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		932734101			
<b>Layer:</b>		2			
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		05			
<b>Most Common Material:</b>		CLAY			
<b>Mat2:</b>		09			
<b>Other Materials:</b>		MEDIUM SAND			
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		1			
<b>Formation End Depth:</b>		19			
<b>Formation End Depth UOM:</b>		ft			



<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>			932734108		
<b>Layer:</b>			9		
<b>Color:</b>			3		
<b>General Color:</b>			BLUE		
<b>Mat1:</b>			05		
<b>Most Common Material:</b>			CLAY		
<b>Mat2:</b>			11		
<b>Other Materials:</b>			GRAVEL		
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>			243		
<b>Formation End Depth:</b>			275		
<b>Formation End Depth UOM:</b>			ft		
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>			932734106		
<b>Layer:</b>			7		
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>			05		
<b>Most Common Material:</b>			CLAY		
<b>Mat2:</b>			06		
<b>Other Materials:</b>			SILT		
<b>Mat3:</b>			13		
<b>Other Materials:</b>			BOULDERS		
<b>Formation Top Depth:</b>			227		
<b>Formation End Depth:</b>			240		
<b>Formation End Depth UOM:</b>			ft		
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>			932734105		
<b>Layer:</b>			6		
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>			05		
<b>Most Common Material:</b>			CLAY		
<b>Mat2:</b>			06		
<b>Other Materials:</b>			SILT		
<b>Mat3:</b>			11		
<b>Other Materials:</b>			GRAVEL		
<b>Formation Top Depth:</b>			158		
<b>Formation End Depth:</b>			227		
<b>Formation End Depth UOM:</b>			ft		
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>			932734102		
<b>Layer:</b>			3		
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>			05		
<b>Most Common Material:</b>			CLAY		
<b>Mat2:</b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Other Materials:</b>					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		19			
<b>Formation End Depth:</b>		25			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		932734109			
<b>Layer:</b>		10			
<b>Color:</b>		3			
<b>General Color:</b>		BLUE			
<b>Mat1:</b>		05			
<b>Most Common Material:</b>		CLAY			
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		275			
<b>Formation End Depth:</b>		287			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well</u></b>					
<b><u>Use</u></b>					
<b>Method Construction ID:</b>		2			
<b>Method Construction Code:</b>		2			
<b>Method Construction:</b>		Rotary (Convent.)			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		11045775			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930809573			
<b>Layer:</b>		1			
<b>Material:</b>					
<b>Open Hole or Material:</b>					
<b>Depth From:</b>					
<b>Depth To:</b>					
<b>Casing Diameter:</b>		5			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			

<a href="#">44</a>	1 of 1	ENE/7.9	289.3 / -11.83	LAURENTIAN ROAD AT KIRBY AND DUFFERIN SUBDIVISION<UNOFFICIAL> Vaughan ON	SPL
<b>Ref No:</b>	3800-67YRSB			<b>Discharger Report:</b>	
<b>Site No:</b>				<b>Material Group:</b>	Waste
<b>Incident Dt:</b>	12/24/2004			<b>Health/Env Conseq:</b>	
<b>Year:</b>				<b>Client Type:</b>	
<b>Incident Cause:</b>	Pipe Or Hose Leak			<b>Sector Type:</b>	Pipeline
<b>Incident Event:</b>				<b>Agency Involved:</b>	
<b>Contaminant Code:</b>	44			<b>Nearest Watercourse:</b>	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Contaminant Name:</b>		SEWAGE,RAW UNCHLORINATED		<b>Site Address:</b>	
<b>Contaminant Limit 1:</b>				<b>Site District Office:</b>	York-Durham
<b>Contam Limit Freq 1:</b>				<b>Site Postal Code:</b>	
<b>Contaminant UN No 1:</b>				<b>Site Region:</b>	Central
<b>Environment Impact:</b>		Not Anticipated		<b>Site Municipality:</b>	Vaughan
<b>Nature of Impact:</b>		Surface Water Pollution		<b>Site Lot:</b>	
<b>Receiving Medium:</b>		Water		<b>Site Conc:</b>	
<b>Receiving Env:</b>				<b>Northing:</b>	
<b>MOE Response:</b>				<b>Easting:</b>	
<b>Dt MOE Arvl on Scn:</b>				<b>Site Geo Ref Accu:</b>	
<b>MOE Reported Dt:</b>		12/24/2004		<b>Site Map Datum:</b>	
<b>Dt Document Closed:</b>				<b>SAC Action Class:</b>	
<b>Incident Reason:</b>		Equipment Failure		<b>Source Type:</b>	
<b>Site Name:</b>		LAURENTIAN ROAD AT KIRBY AND DUFFERIN SUBDIVISION<UNOFFICIAL>			
<b>Site County/District:</b>					
<b>Site Geo Ref Meth:</b>					
<b>Incident Summary:</b>		Laurentian Road, broken forcemain			
<b>Contaminant Qty:</b>					

<a href="#">45</a>	1 of 1	WSW/144.1	270.8 / -30.35	lot 30 con 4 ON	WWIS
<b>Well ID:</b>		6906611		<b>Data Entry Status:</b>	
<b>Construction Date:</b>				<b>Data Src:</b>	1
<b>Primary Water Use:</b>		Domestic		<b>Date Received:</b>	1/17/1967
<b>Sec. Water Use:</b>		Livestock		<b>Selected Flag:</b>	Yes
<b>Final Well Status:</b>		Water Supply		<b>Abandonment Rec:</b>	
<b>Water Type:</b>				<b>Contractor:</b>	1622
<b>Casing Material:</b>				<b>Form Version:</b>	1
<b>Audit No:</b>				<b>Owner:</b>	
<b>Tag:</b>				<b>Street Name:</b>	
<b>Construction Method:</b>				<b>County:</b>	YORK
<b>Elevation (m):</b>				<b>Municipality:</b>	VAUGHAN TOWN (VAUGHAN TWP)
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b>	030
<b>Well Depth:</b>				<b>Concession:</b>	04
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b>	CON
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					
<b><u>Bore Hole Information</u></b>					
<b>Bore Hole ID:</b>		10497310		<b>Elevation:</b>	270.975067
<b>DP2BR:</b>				<b>Elevrc:</b>	
<b>Spatial Status:</b>				<b>Zone:</b>	17
<b>Code OB:</b>		o		<b>East83:</b>	616947.6
<b>Code OB Desc:</b>		Overburden		<b>North83:</b>	4860165
<b>Open Hole:</b>				<b>Org CS:</b>	
<b>Cluster Kind:</b>				<b>UTMRC:</b>	5
<b>Date Completed:</b>		8/19/1966		<b>UTMRC Desc:</b>	margin of error : 100 m - 300 m
<b>Remarks:</b>				<b>Location Method:</b>	p5
<b>Elevrc Desc:</b>					
<b>Location Source Date:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					
<b>Source Revision Comment:</b>					
<b>Supplier Comment:</b>					

**Overburden and Bedrock**

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		932734644			
<b>Layer:</b>		4			
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		11			
<b>Most Common Material:</b>		GRAVEL			
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		92			
<b>Formation End Depth:</b>		96			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		932734641			
<b>Layer:</b>		1			
<b>Color:</b>		6			
<b>General Color:</b>		BROWN			
<b>Mat1:</b>		05			
<b>Most Common Material:</b>		CLAY			
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		0			
<b>Formation End Depth:</b>		10			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		932734642			
<b>Layer:</b>		2			
<b>Color:</b>		3			
<b>General Color:</b>		BLUE			
<b>Mat1:</b>		05			
<b>Most Common Material:</b>		CLAY			
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		10			
<b>Formation End Depth:</b>		30			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		932734643			
<b>Layer:</b>		3			
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		14			
<b>Most Common Material:</b>		HARDPAN			
<b>Mat2:</b>		11			
<b>Other Materials:</b>		GRAVEL			
<b>Mat3:</b>					
<b>Other Materials:</b>					

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Formation Top Depth:</b>		30			
<b>Formation End Depth:</b>		92			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>					
<b>Method Construction Code:</b>		1			
<b>Method Construction:</b>		Cable Tool			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		11045880			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930809681			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		92			
<b>Casing Diameter:</b>		5			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>		933388867			
<b>Layer:</b>		1			
<b>Slot:</b>		020			
<b>Screen Top Depth:</b>		92			
<b>Screen End Depth:</b>		96			
<b>Screen Material:</b>					
<b>Screen Depth UOM:</b>		ft			
<b>Screen Diameter UOM:</b>		inch			
<b>Screen Diameter:</b>		5			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		996906611			
<b>Pump Set At:</b>					
<b>Static Level:</b>		30			
<b>Final Level After Pumping:</b>		92			
<b>Recommended Pump Depth:</b>		92			
<b>Pumping Rate:</b>		8			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>		8			
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>		1			
<b>Water State After Test:</b>		CLEAR			
<b>Pumping Test Method:</b>		1			
<b>Pumping Duration HR:</b>		8			
<b>Pumping Duration MIN:</b>		0			
<b>Flowing:</b>		N			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b><u>Water Details</u></b>					
<b>Water ID:</b>		933990018			
<b>Layer:</b>		1			
<b>Kind Code:</b>		1			
<b>Kind:</b>		FRESH			
<b>Water Found Depth:</b>		92			
<b>Water Found Depth UOM:</b>		ft			
<a href="#"><u>46</u></a>	1 of 1	<b>ENE/1.7</b>	<b>299.3 / -1.86</b>	<b>CONTRACTOR NEW DEVELOPMENT AT KIRBY RD AND DUFFERIN STREET SANITARY SEWER VAUGHAN CITY ON</b>	<b>SPL</b>
<b>Ref No:</b>	161571			<b>Discharger Report:</b>	
<b>Site No:</b>				<b>Material Group:</b>	
<b>Incident Dt:</b>	10/26/1998			<b>Health/Env Conseq:</b>	
<b>Year:</b>				<b>Client Type:</b>	
<b>Incident Cause:</b>	PIPE/HOSE LEAK			<b>Sector Type:</b>	
<b>Incident Event:</b>				<b>Agency Involved:</b>	
<b>Contaminant Code:</b>				<b>Nearest Watercourse:</b>	
<b>Contaminant Name:</b>				<b>Site Address:</b>	
<b>Contaminant Limit 1:</b>				<b>Site District Office:</b>	
<b>Contam Limit Freq 1:</b>				<b>Site Postal Code:</b>	
<b>Contaminant UN No 1:</b>				<b>Site Region:</b>	
<b>Environment Impact:</b>	POSSIBLE			<b>Site Municipality:</b>	27101
<b>Nature of Impact:</b>	Soil contamination			<b>Site Lot:</b>	
<b>Receiving Medium:</b>	LAND			<b>Site Conc:</b>	
<b>Receiving Env:</b>				<b>Northing:</b>	
<b>MOE Response:</b>				<b>Easting:</b>	
<b>Dt MOE Arvl on Scn:</b>				<b>Site Geo Ref Accu:</b>	
<b>MOE Reported Dt:</b>	10/30/1998			<b>Site Map Datum:</b>	
<b>Dt Document Closed:</b>				<b>SAC Action Class:</b>	
<b>Incident Reason:</b>	EQUIPMENT FAILURE			<b>Source Type:</b>	
<b>Site Name:</b>					
<b>Site County/District:</b>					
<b>Site Geo Ref Meth:</b>					
<b>Incident Summary:</b>	NIRAN CONSTRUCTION: APPROX 80M3 SEWAGE & WATER LEAKED INTO GROUND				
<b>Contaminant Qty:</b>					
<a href="#"><u>47</u></a>	1 of 2	<b>ENE/1.7</b>	<b>299.3 / -1.86</b>	<b>Maplewood Ravines Dufferub Street &amp; Kirby Road Vaughan ON</b>	<b>CA</b>
<b>Certificate #:</b>	3-1189-97-006				
<b>Application Year:</b>	02				
<b>Issue Date:</b>	2/27/02				
<b>Approval Type:</b>	Municipal & Private sewage				
<b>Status:</b>	Approved				
<b>Application Type:</b>	Notice				
<b>Client Name:</b>	Maplewood Ravines Ltd.				
<b>Client Address:</b>	151 Spinnaker Way				
<b>Client City:</b>	Vaughan				
<b>Client Postal Code:</b>	L4K 4C3				
<b>Project Description:</b>	This application is for an upgrade to a sewage pump station.				
<b>Contaminants:</b>					
<b>Emission Control:</b>					
<a href="#"><u>47</u></a>	2 of 2	<b>ENE/1.7</b>	<b>299.3 / -1.86</b>	<b>Maplewood Ravines Ltd. Dufferub Street &amp; Kirby Road</b>	<b>ECA</b>

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Vaughan ON L4K 4C3</b>					
<b>Approval No:</b>	3-1189-97-006			<b>MOE District:</b>	York-Durham
<b>Approval Date:</b>	2002-02-27			<b>City:</b>	
<b>Status:</b>	Approved			<b>Longitude:</b>	-79.5073
<b>Record Type:</b>	ECA			<b>Latitude:</b>	43.8893
<b>Link Source:</b>	IDS			<b>Geometry X:</b>	
<b>SWP Area Name:</b>	Toronto			<b>Geometry Y:</b>	
<b>Approval Type:</b>	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS				
<b>Project Type:</b>	MUNICIPAL AND PRIVATE SEWAGE WORKS				
<b>Address:</b>	Dufferub Street & Kirby Road				
<b>Full Address:</b>					
<b>Full PDF Link:</b>	<a href="https://www.accessenvironment.ene.gov.on.ca/instruments/5828-55JRFD-14.pdf">https://www.accessenvironment.ene.gov.on.ca/instruments/5828-55JRFD-14.pdf</a>				

<a href="#">48</a>	1 of 1	WSW/89.5	269.9 / -31.30	lot 30 con 5 ON	WWIS
<b>Well ID:</b>	6922769			<b>Data Entry Status:</b>	
<b>Construction Date:</b>				<b>Data Src:</b>	1
<b>Primary Water Use:</b>				<b>Date Received:</b>	9/2/1994
<b>Sec. Water Use:</b>				<b>Selected Flag:</b>	Yes
<b>Final Well Status:</b>				<b>Abandonment Rec:</b>	
<b>Water Type:</b>				<b>Contractor:</b>	1508
<b>Casing Material:</b>				<b>Form Version:</b>	1
<b>Audit No:</b>	144919			<b>Owner:</b>	
<b>Tag:</b>				<b>Street Name:</b>	
<b>Construction Method:</b>				<b>County:</b>	YORK
<b>Elevation (m):</b>				<b>Municipality:</b>	VAUGHAN TOWN (VAUGHAN TWP)
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b>	030
<b>Well Depth:</b>				<b>Concession:</b>	05
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b>	CON
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					

**Bore Hole Information**

<b>Bore Hole ID:</b>	10513072	<b>Elevation:</b>	269.751556
<b>DP2BR:</b>		<b>Elevrc:</b>	
<b>Spatial Status:</b>	Improved	<b>Zone:</b>	17
<b>Code OB:</b>	—	<b>East83:</b>	616818
<b>Code OB Desc:</b>	No formation data	<b>North83:</b>	4860218
<b>Open Hole:</b>		<b>Org CS:</b>	N83
<b>Cluster Kind:</b>		<b>UTMRC:</b>	3
<b>Date Completed:</b>	1/26/1993	<b>UTMRC Desc:</b>	margin of error : 10 - 30 m
<b>Remarks:</b>		<b>Location Method:</b>	
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>	September 2003		
<b>Improvement Location Source:</b>	Ministry of Environment Oak Ridges Moraine Policy Initiative 2001 (MOE ORM 2001): Database Revision and Update and Preparation of Profiles and Maps by Hunter and Associates, Ltd.		
<b>Improvement Location Method:</b>	GIS10000		
<b>Source Revision Comment:</b>	Location change based on OBM (UTM 1982)/Orthophoto (1999)/Parcels 2001		
<b>Supplier Comment:</b>			

**Method of Construction & Well Use**

<b>Method Construction ID:</b>	
<b>Method Construction Code:</b>	0

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<i>Method Construction:</i>		Not Known			
<i>Other Method Construction:</i>					
 <i><u>Pipe Information</u></i>					
<i>Pipe ID:</i>		11061642			
<i>Casing No:</i>		1			
<i>Comment:</i>					
<i>Alt Name:</i>					



# Unplottable Summary

Total: **52** Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	CITY	DUFFERIN ST.	YORK, NORTH ON	
CA	BAIF DEVELOPMENTS LIMITED	STREET B KEELE STREET	VAUGHAN TOWN ON	
CA	MAPLEWOOD VILLAGES LTD.	LOT 30,CON.3/ST.B/KIRBY RD.	VAUGHAN CITY ON	
CA	MAPLEWOOD RAVINES LTD.	NORTH MAPLE RES. WATER P.S.	VAUGHAN CITY ON	
CA	JANE YORK DEVELOPMENTS INC.	STREET A E. OF JANE ST.	VAUGHAN TOWN ON	
CA	BAIF DEVELOPMENTS LIMITED	STREET A DUFFERIN ST.	VAUGHAN TOWN ON	
CA	BAIF DEVELOPMENTS LIMITED	STREET B KEELE STREET	VAUGHAN TOWN ON	
CA	VAUGHAN TOWN CORPORATION	DUFFERIN ST., CONCORD	VAUGHAN TOWN ON	
CA	VAUGHAN/400 DEVELOPERS GROUP	JANE ST. C/O METRUS MANAGEMENT	VAUGHAN TOWN ON	
CA	MAPLEWOOD RAVINES LTD.	PT.LOTS 29&30/CONC. 3,SEW, P.S	VAUGHAN CITY ON	
CA	MAPLEWOOD RAVINES LTD.	NORTH MAPLE WATER RESERVOIR	VAUGHAN CITY ON	
CA	MAPLEWOOD VILLAGES LTD.	LOT 30, CON.3/KIRBY ROAD	VAUGHAN CITY ON	
CA	MAPLEWOOD RAVINES LTD.	LOT 30,CON.3/ST.B/KIRBY RD.	VAUGHAN CITY ON	
CA	STELLARBRIDGE MANAGEMENT INC.	UTILITY EASEMENT AND JANE ST.	VAUGHAN TOWN ON	
CA		Part of Lots 30 & 31, Concessions 3 & 4 WYS Keele Street and Kirby Road	Vaughan ON	
CA	DUFFERIN BUSINESS CENTRE INC.	DUFFERIN ST. DUFFERIN BUS. CTR	YORK CITY ON	
CA	MAPLEWOOD VILLAGES LTD.	SWM-L.30,C.3/RET.DEV/KEELE ST.	VAUGHAN ON	

CA	MILLBUSH INVESTMENTS	KEELE ST.	VAUGHAN TOWN ON
CA	DUFFERIN BUSINESS CENTRE INC.	DUFFERIN ST. DUFFERIN BUS. CTR	YORK CITY ON
CA	VAUGHAN TOWN	KEELE STREET	VAUGHAN TOWN ON
CA	LANDAWN SHOPPING CENTRE	BLACK CREEK MALL KEELE ST.	YORK CITY ON
CA	THE GUIDED GROUP GUIDED INVESTMENTS	SOUTHEAST CORNER OF JANE ST.	VAUGHAN TOWN ON
CA	VAUGHAN TOWN CORPORATION	DUFFERIN STREET, CONCORD	VAUGHAN TOWN ON
CA	JANE YORK DEVELOPMENTS INC.	STREET A JANE ST.	VAUGHAN TOWN ON
CA	FIELDGATE DEVELOPMENT & CONSTRUCTION	KEELE ST.	VAUGHAN TOWN ON
CA	METROPOLITAN TORONTO WORK DEPART.	KEELE STREET	YORK CITY ON
CA	M.I. REALTY CORP. MAGNA INDUST. CAMPUS	DUFFERIN ST.	VAUGHAN TOWN ON
CA	R. DALE DOWNEY-LANZAROTTA WHOLESALE GROC	STORMWATER MANAGEMENT-KEELE ST	VAUGHAN TOWN ON
CA	LANDAWN SHOPPING CENTRE 3-1139-89	BLACK CREEK PLAZA KEELE ST.	YORK CITY ON
CA	THE GUIDED GROUP GUIDED INVESTMENTS	SOUTHEAST CORNER OF JANE ST.	VAUGHAN TOWN ON
CA	DUFFERIN-CUSTOM CONCRETE GROUP	KEELE STREET, MAPLE	VAUGHAN CITY ON
CA	Maplewood Villages Subdivision (19T- 990V5)	Part of Lot 30, Concession 3	Vaughan ON
CA	Maplewood Villages Subdivision (19T- 99V05)	Part of Lot 30, Concession 3	Vaughan ON
CA	METRUS INDUSTRIAL PARKS LTD.	KEELE ST.	VAUGHAN TOWN ON
CA	YORK CITY	JANE STREET	YORK CITY ON
CA	BAIF DEVELOPMENTS LIMITED	STREET A DUFFERIN ST.	VAUGHAN TOWN ON
CA	MILLBUSH INVESTMENTS	KEELE ST.	VAUGHAN TOWN ON
CA		Part of Lots 30 & 31, Concessions 3 & 4 WYS, Keele Street and Kirby Road	Vaughan ON
CA	Maplewood Villages Subdivision	Part of Lot 30, Concession 3	Vaughan ON

(19T- 99V05)

CA	VAUGHAN TOWN SEE 3-1500-88-006	DUFFERIN STREET	VAUGHAN TOWN ON	
ECA	Suncor Energy Inc., Suncor Energy Products Inc. and 1277136 Alberta Ltd.		Vaughan ON	T3E 6L1
SPL	CANGO PETROLEUMS LTD.	AURORA S.R. AT JANE IN KETTLEBY SERVICE STATION	VAUGHAN CITY ON	
SPL	TRANSPORT TRUCK	KEELE ST, NORTH OF STEELES AVE MOTOR VEHICLE (OPERATING FLUID)	VAUGHAN CITY ON	
SPL	FIRE DEPARTMENT	KIRBY RD MOTOR VEHICLE (OPERATING FLUID)	VAUGHAN CITY ON	
SPL	CANADIAN NATIONAL RAILWAY	CN RAIL CARGO FLOW FACILITY, KEELE ST. SOUTH OF RUTHERFORD. MACMILLAN YARD (VAUGHAN) ADMINISTRATION ROAD	VAUGHAN CITY ON	
SPL	PUC	PINE CREST MOTEL PROPERTY (WEST OF KEELE ST. ON HWY. #7) TRANSFORMER	VAUGHAN CITY ON	
SPL	TORONTO TRANSIT COMMISSION	KEELE STREET SOUTHBOUND, SOUTH OF KEELE STREET MOTOR VEHICLE (OPERATING FLUID)	VAUGHAN CITY ON	
SPL	York Disposal Services Limited	Jane St. 150m north of Hwy 7	Vaughan ON	
SPL	The Corporation of the City of Vaughan	Laurentian Rd.	Vaughan ON	
SPL	The Corporation of the City of Vaughan	Laurentian Blvd - near Dufferin and Kirby	Vaughan ON	
SPL	York Region Transit	Keele Street, south of Highway 407	Vaughan ON	
SPL	Draglam Waste & Recycling Inc.	Dufferin St just S of Clark	Vaughan ON	

# Unplottable Report

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**Site:** CITY  
DUFFERIN ST. YORK, NORTH ON

**Database:**  
CA

**Certificate #:** 3-0425-85-006  
**Application Year:** 85  
**Issue Date:** 7/2/85  
**Approval Type:** Municipal sewage  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

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**Site:** BAIF DEVELOPMENTS LIMITED  
STREET B KEELE STREET VAUGHAN TOWN ON

**Database:**  
CA

**Certificate #:** 3-1038-86-  
**Application Year:** 86  
**Issue Date:** 8/22/1986  
**Approval Type:** Municipal sewage  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

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**Site:** MAPLEWOOD VILLAGES LTD.  
LOT 30,CON.3/ST.B/KIRBY RD. VAUGHAN CITY ON

**Database:**  
CA

**Certificate #:** 3-1777-97-  
**Application Year:** 97  
**Issue Date:** 12/16/1997  
**Approval Type:** Municipal sewage  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

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**Site:** MAPLEWOOD RAVINES LTD.  
NORTH MAPLE RES. WATER P.S. VAUGHAN CITY ON

**Database:**  
CA

**Certificate #:** 7-0911-97-

**Application Year:** 97  
**Issue Date:** 9/22/1997  
**Approval Type:** Municipal water  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

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**Site:** JANE YORK DEVELOPMENTS INC.  
STREET A E. OF JANE ST. VAUGHAN TOWN ON

**Database:**  
CA

**Certificate #:** 3-1097-86-  
**Application Year:** 86  
**Issue Date:** 7/31/1986  
**Approval Type:** Municipal sewage  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

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**Site:** BAIF DEVELOPMENTS LIMITED  
STREET A DUFFERIN ST. VAUGHAN TOWN ON

**Database:**  
CA

**Certificate #:** 7-0583-88-  
**Application Year:** 88  
**Issue Date:** 10/21/1988  
**Approval Type:** Municipal water  
**Status:** Revised  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** BAIF DEVELOPMENTS LIMITED  
STREET B KEELE STREET VAUGHAN TOWN ON

**Database:**  
CA

**Certificate #:** 7-0833-86-  
**Application Year:** 86  
**Issue Date:** 8/22/1986  
**Approval Type:** Municipal water  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

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**Site:** VAUGHAN TOWN CORPORATION  
DUFFERIN ST., CONCORD VAUGHAN TOWN ON

**Database:**  
CA

**Certificate #:** 3-1500-88-  
**Application Year:** 88  
**Issue Date:** 11/3/1988  
**Approval Type:** Municipal sewage  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

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**Site:** VAUGHAN/400 DEVELOPERS GROUP  
JANE ST. C/O METRUS MANAGEMENT VAUGHAN TOWN ON

**Database:**  
CA

**Certificate #:** 3-0936-86-  
**Application Year:** 86  
**Issue Date:** 7/9/1986  
**Approval Type:** Municipal sewage  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

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**Site:** MAPLEWOOD RAVINES LTD.  
PT.LOTS 29&30/CONC. 3,SEW, P.S VAUGHAN CITY ON

**Database:**  
CA

**Certificate #:** 8-3462-97-  
**Application Year:** 97  
**Issue Date:** 12/9/1997  
**Approval Type:** Industrial air  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:** EMERGENCY POWER FOR SEWAGE P.S.  
**Contaminants:** Nitrogen Oxides, Sound  
**Emission Control:** Muffler

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**Site:** MAPLEWOOD RAVINES LTD.  
NORTH MAPLE WATER RESERVOIR VAUGHAN CITY ON

**Database:**  
CA

**Certificate #:** 8-3461-97-  
**Application Year:** 97  
**Issue Date:** 12/9/1997  
**Approval Type:** Industrial air  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**

**Client City:**  
**Client Postal Code:**  
**Project Description:** EMERGENCY POWER FOR WATER BOOSTER P.S.  
**Contaminants:** Nitrogen Oxides, Sound  
**Emission Control:** Muffler

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**Site:** **MAPLEWOOD VILLAGES LTD.**  
**LOT 30, CON.3/KIRBY ROAD VAUGHAN CITY ON**

**Database:**  
**CA**

**Certificate #:** 7-1282-97-  
**Application Year:** 97  
**Issue Date:** 12/16/1997  
**Approval Type:** Municipal water  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

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**Site:** **MAPLEWOOD RAVINES LTD.**  
**LOT 30, CON.3/ST.B/KIRBY RD. VAUGHAN CITY ON**

**Database:**  
**CA**

**Certificate #:** 7-1281-97-  
**Application Year:** 97  
**Issue Date:** 12/5/1997  
**Approval Type:** Municipal water  
**Status:** Cancelled  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

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**Site:** **STELLARBRIDGE MANAGEMENT INC.**  
**UTILITY EASEMENT AND JANE ST. VAUGHAN TOWN ON**

**Database:**  
**CA**

**Certificate #:** 3-0823-87-  
**Application Year:** 87  
**Issue Date:** 6/20/1987  
**Approval Type:** Municipal sewage  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** **Part of Lots 30 & 31, Concessions 3 & 4 WYS Keele Street and Kirby Road Vaughan ON**

**Database:**  
**CA**

**Certificate #:** 2398-5CYHK4  
**Application Year:** 02

**Issue Date:** 8/14/02  
**Approval Type:** Municipal & Private water  
**Status:** Approved  
**Application Type:** New Certificate of Approval  
**Client Name:** Mario Cortellucci and Nick Cortellucci  
**Client Address:** 137 Bowes road  
**Client City:** Vaughan  
**Client Postal Code:** L4K 1H3  
**Project Description:** This application is for the construction of watermains and appurtenances on Keele Street.  
**Contaminants:**  
**Emission Control:**

---

**Site:** **DUFFERIN BUSINESS CENTRE INC.**  
**DUFFERIN ST. DUFFERIN BUS. CTR YORK CITY ON**

**Database:**  
**CA**

**Certificate #:** 3-0179-87-  
**Application Year:** 87  
**Issue Date:** 3/20/1987  
**Approval Type:** Municipal sewage  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** **MAPLEWOOD VILLAGES LTD.**  
**SWM-L.30,C.3/RET.DEV/KEELE ST. VAUGHAN ON**

**Database:**  
**CA**

**Certificate #:** 3-1569-98-  
**Application Year:** 98  
**Issue Date:** 10/6/1998  
**Approval Type:** Municipal sewage  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** **MILLBUSH INVESTMENTS**  
**KEELE ST. VAUGHAN TOWN ON**

**Database:**  
**CA**

**Certificate #:** 7-0991-88-  
**Application Year:** 88  
**Issue Date:** 9/19/1988  
**Approval Type:** Municipal water  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

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**Site:** DUFFERIN BUSINESS CENTRE INC.  
DUFFERIN ST. DUFFERIN BUS. CTR YORK CITY ON

**Database:**  
CA

**Certificate #:** 7-0144-87-  
**Application Year:** 87  
**Issue Date:** 3/20/1987  
**Approval Type:** Municipal water  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** VAUGHAN TOWN  
KEELE STREET VAUGHAN TOWN ON

**Database:**  
CA

**Certificate #:** 7-1655-87-  
**Application Year:** 87  
**Issue Date:** 1/8/1988  
**Approval Type:** Municipal water  
**Status:** Approved in 1988  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** LANDAWN SHOPPING CENTRE  
BLACK CREEK MALL KEELE ST. YORK CITY ON

**Database:**  
CA

**Certificate #:** 7-0960-89-  
**Application Year:** 89  
**Issue Date:** 6/21/1989  
**Approval Type:** Municipal water  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** THE GUIDED GROUP GUIDED INVESTMENTS  
SOUTHEAST CORNER OF JANE ST. VAUGHAN TOWN ON

**Database:**  
CA

**Certificate #:** 7-0202-89-  
**Application Year:** 89  
**Issue Date:** 2/17/1989  
**Approval Type:** Municipal water  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**

**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** VAUGHAN TOWN CORPORATION  
DUFFERIN STREET, CONCORD VAUGHAN TOWN ON

**Database:**  
CA

**Certificate #:** 7-1285-88-  
**Application Year:** 88  
**Issue Date:** 11/3/1988  
**Approval Type:** Municipal water  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** JANE YORK DEVELOPMENTS INC.  
STREET A JANE ST. VAUGHAN TOWN ON

**Database:**  
CA

**Certificate #:** 7-0878-86-  
**Application Year:** 86  
**Issue Date:** 7/31/1986  
**Approval Type:** Municipal water  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** FIELDGATE DEVELOPMENT & CONSTRUCTION  
KEELE ST. VAUGHAN TOWN ON

**Database:**  
CA

**Certificate #:** 7-0686-86-  
**Application Year:** 86  
**Issue Date:** 6/27/1986  
**Approval Type:** Municipal water  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** METROPOLITAN TORONTO WORK DEPART.  
KEELE STREET YORK CITY ON

**Database:**  
CA

**Certificate #:** 7-0273-86-  
**Application Year:** 86  
**Issue Date:** 4/21/1986

**Approval Type:** Municipal water  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** M.I. REALTY CORP. MAGNA INDUST. CAMPUS  
DUFFERIN ST. VAUGHAN TOWN ON

**Database:**  
CA

**Certificate #:** 7-0184-86-  
**Application Year:** 86  
**Issue Date:** 4/15/1986  
**Approval Type:** Municipal water  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** R. DALE DOWNEY-LANZAROTTA WHOLESALE GROC  
STORMWATER MANAGEMENT-KEELE ST VAUGHAN TOWN ON

**Database:**  
CA

**Certificate #:** 3-1081-90-  
**Application Year:** 90  
**Issue Date:** 12/19/1990  
**Approval Type:** Municipal sewage  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** LANDAWN SHOPPING CENTRE 3-1139-89  
BLACK CREEK PLAZA KEELE ST. YORK CITY ON

**Database:**  
CA

**Certificate #:** 3-1127-89-  
**Application Year:** 89  
**Issue Date:** 6/21/1989  
**Approval Type:** Municipal sewage  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

**Site:** THE GUIDED GROUP GUIDED INVESTMENTS  
SOUTHEAST CORNER OF JANE ST. VAUGHAN TOWN ON

**Database:**  
CA

**Certificate #:** 3-0224-89-  
**Application Year:** 89  
**Issue Date:** 2/17/1989  
**Approval Type:** Municipal sewage  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** DUFFERIN-CUSTOM CONCRETE GROUP  
KEELE STREET, MAPLE VAUGHAN CITY ON

**Database:**  
CA

**Certificate #:** 8-3111-93-  
**Application Year:** 93  
**Issue Date:** 4/19/1993  
**Approval Type:** Industrial air  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:** 2 H-HSES FOR CEM.SILO & TRUCK LOAD.POINT  
**Contaminants:** Suspended Particulate Matter  
**Emission Control:** Baghouse (Incl Vent Fil.)

---

**Site:** Maplewood Villages Subdivision (19T- 99V5)  
Part of Lot 30, Concession 3 Vaughan ON

**Database:**  
CA

**Certificate #:** 0832-4ULJLQ  
**Application Year:** 01  
**Issue Date:** 3/14/01  
**Approval Type:** Municipal & Private sewage  
**Status:** Approved  
**Application Type:** Amended CofA  
**Client Name:** Maplewood Villages Ltd.  
**Client Address:** 151 Spinnaker Way, Unit 8  
**Client City:** Vaughan  
**Client Postal Code:** L4K 4C3  
**Project Description:** Modification of a stormwater extended detention pond to service the Maplewood Villages Subdivision (19T-99V5)  
**Contaminants:**  
**Emission Control:**

---

**Site:** Maplewood Villages Subdivision (19T- 99V05)  
Part of Lot 30, Concession 3 Vaughan ON

**Database:**  
CA

**Certificate #:** 0424-4U8JF8  
**Application Year:** 01  
**Issue Date:** 3/2/01  
**Approval Type:** Municipal & Private sewage  
**Status:** Approved  
**Application Type:** New Certificate of Approval  
**Client Name:** Maplewood Villages Ltd.  
**Client Address:** 151 Spinnaker Way, Unit 8  
**Client City:** Vaughan  
**Client Postal Code:** L4K 4C3

**Project Description:** Sanitary and storm sewers to be constructed South East of Keele Street and Klrby Road to serve Maplewood Villages Subdivision  
**Contaminants:**  
**Emission Control:**

---

**Site:** METRUS INDUSTRIAL PARKS LTD.  
KEELE ST. VAUGHAN TOWN ON

**Database:**  
CA

**Certificate #:** 3-1371-86-  
**Application Year:** 86  
**Issue Date:** 9/24/1986  
**Approval Type:** Municipal sewage  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** YORK CITY  
JANE STREET YORK CITY ON

**Database:**  
CA

**Certificate #:** 3-0124-88-  
**Application Year:** 88  
**Issue Date:** 3/29/1988  
**Approval Type:** Municipal sewage  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** BAIF DEVELOPMENTS LIMITED  
STREET A DUFFERIN ST. VAUGHAN TOWN ON

**Database:**  
CA

**Certificate #:** 3-0659-88-  
**Application Year:** 88  
**Issue Date:** 10/21/1988  
**Approval Type:** Municipal sewage  
**Status:** Revised  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** MILLBUSH INVESTMENTS  
KEELE ST. VAUGHAN TOWN ON

**Database:**  
CA

**Certificate #:** 3-1145-88-  
**Application Year:** 88  
**Issue Date:** 9/19/1988

**Approval Type:** Municipal sewage  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** *Part of Lots 30 & 31, Concessions 3 & 4 WYS, Keele Street and Kirby Road Vaughan ON*

**Database:**  
[CA](#)

**Certificate #:** 6352-5CYH4R  
**Application Year:** 02  
**Issue Date:** 8/14/02  
**Approval Type:** Municipal & Private sewage  
**Status:** Approved  
**Application Type:** New Certificate of Approval  
**Client Name:** Mario Cortellucci and Nick Cortellucci  
**Client Address:** 137 Bowes road  
**Client City:** Vaughan  
**Client Postal Code:** L4K 1H3  
**Project Description:** This application is for the construction of sanitary sewer and appurtenances on Keele Street and Kirby Road.  
**Contaminants:**  
**Emission Control:**

---

**Site:** *Maplewood Villages Subdivision (19T- 99V05)  
Part of Lot 30, Concession 3 Vaughan ON*

**Database:**  
[CA](#)

**Certificate #:** 1627-4U7MWG  
**Application Year:** 01  
**Issue Date:** 3/2/01  
**Approval Type:** Municipal & Private water  
**Status:** Approved  
**Application Type:** New Certificate of Approval  
**Client Name:** Maplewood Villages Ltd.  
**Client Address:** 151 Spinnaker Way, Unit 8  
**Client City:** Vaughan  
**Client Postal Code:** L4K 4C3  
**Project Description:** Watermains to be constructed South-East of Keele Street and Kirby Road to serve Maplewood Villages Subdivision  
**Contaminants:**  
**Emission Control:**

---

**Site:** *VAUGHAN TOWN SEE 3-1500-88-006  
DUFFERIN STREET VAUGHAN TOWN ON*

**Database:**  
[CA](#)

**Certificate #:** 3-1703-88-  
**Application Year:** 88  
**Issue Date:** 6/12/1990  
**Approval Type:** Municipal sewage  
**Status:** Cancelled  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

**Site:** Suncor Energy Inc., Suncor Energy Products Inc. and 1277136 Alberta Ltd.  
Vaughan ON T3E 6L1

**Database:**  
ECA

**Approval No:** 3116-8P9KKU  
**Approval Date:** 2011-12-12  
**Status:** Approved  
**Record Type:** ECA  
**Link Source:** IDS  
**SWP Area Name:**  
**Approval Type:** ECA-INDUSTRIAL SEWAGE WORKS  
**Project Type:** INDUSTRIAL SEWAGE WORKS  
**Address:**  
**Full Address:**  
**Full PDF Link:** <https://www.accessenvironment.ene.gov.on.ca/instruments/0331-8JNP6X-14.pdf>

**MOE District:**  
**City:**  
**Longitude:**  
**Latitude:**  
**Geometry X:**  
**Geometry Y:**

**Site:** CANGO PETROLEUMS LTD.  
AURORA S.R. AT JANE IN KETTLEBY SERVICE STATION VAUGHAN CITY ON

**Database:**  
SPL

**Ref No:** 41603  
**Site No:**  
**Incident Dt:** 10/2/1990  
**Year:**  
**Incident Cause:** UNDERGROUND TANK LEAK  
**Incident Event:**  
**Contaminant Code:**  
**Contaminant Name:**  
**Contaminant Limit 1:**  
**Contam Limit Freq 1:**  
**Contaminant UN No 1:**  
**Environment Impact:** CONFIRMED  
**Nature of Impact:** Soil contamination  
**Receiving Medium:** LAND  
**Receiving Env:**  
**MOE Response:**  
**Dt MOE Arvl on Scn:**  
**MOE Reported Dt:** 10/2/1990  
**Dt Document Closed:**  
**Incident Reason:** CORROSION  
**Site Name:**  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Incident Summary:** CANGO -GASOLINE LEAK FROM UNDERGROUND TANKS TO WELL  
**Contaminant Qty:**

**Discharger Report:**  
**Material Group:**  
**Health/Env Conseq:**  
**Client Type:**  
**Sector Type:**  
**Agency Involved:**  
**Nearest Watercourse:**  
**Site Address:**  
**Site District Office:**  
**Site Postal Code:**  
**Site Region:**  
**Site Municipality:** 27101  
**Site Lot:**  
**Site Conc:**  
**Northing:**  
**Easting:** MOE, F.D.  
**Site Geo Ref Accu:**  
**Site Map Datum:**  
**SAC Action Class:**  
**Source Type:**

**Site:** TRANSPORT TRUCK  
KEELE ST, NORTH OF STEELES AVE MOTOR VEHICLE (OPERATING FLUID) VAUGHAN CITY ON

**Database:**  
SPL

**Ref No:** 121820  
**Site No:**  
**Incident Dt:** 12/15/1995  
**Year:**  
**Incident Cause:** OTHER TRANSPORTATION ACCIDENT  
**Incident Event:**  
**Contaminant Code:**  
**Contaminant Name:**  
**Contaminant Limit 1:**  
**Contam Limit Freq 1:**  
**Contaminant UN No 1:**  
**Environment Impact:** NOT ANTICIPATED  
**Nature of Impact:**  
**Receiving Medium:** LAND  
**Receiving Env:**  
**MOE Response:**  
**Dt MOE Arvl on Scn:**  
**MOE Reported Dt:** 12/15/1995  
**Dt Document Closed:**

**Discharger Report:**  
**Material Group:**  
**Health/Env Conseq:**  
**Client Type:**  
**Sector Type:**  
**Agency Involved:**  
**Nearest Watercourse:**  
**Site Address:**  
**Site District Office:**  
**Site Postal Code:**  
**Site Region:**  
**Site Municipality:** 27101  
**Site Lot:**  
**Site Conc:**  
**Northing:**  
**Easting:** VAUGHAN W/D,F/D; REGION YORK W/D  
**Site Geo Ref Accu:**  
**Site Map Datum:**  
**SAC Action Class:**

**Incident Reason:** ERROR **Source Type:**  
**Site Name:**  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Incident Summary:** CLARKE TRANSPORT-90 L DIESEL+MV FLUIDS TO ROAD,C-BASIN.FD.WORKS CLEANING  
**Contaminant Qty:**

---

**Site:** FIRE DEPARTMENT **Database:** SPL  
KIRBY RD MOTOR VEHICLE (OPERATING FLUID) VAUGHAN CITY ON

**Ref No:** 88860 **Discharger Report:**  
**Site No:** **Material Group:**  
**Incident Dt:** 7/24/1993 **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:** CONFIRMED **Site Municipality:** 27101  
**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:** 7/24/1993 **Site Map Datum:**  
**Dt Document Closed:** **SAC Action Class:**  
**Incident Reason:** EQUIPMENT FAILURE **Source Type:**  
**Site Name:**  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Incident Summary:** VAUGHAN F.D: 40 L DIESEL FUEL FROM FUEL TANK ONTO GRAVEL SHOULDER OF ROAD.  
**Contaminant Qty:**

---

**Site:** CANADIAN NATIONAL RAILWAY **Database:** SPL  
CN RAIL CARGOFLOW FACILITY, KEELE ST. SOUTH OF RUTHERFORD. MACMILLAN YARD (VAUGHAN)  
ADMINSTRATION ROAD VAUGHAN CITY ON

**Ref No:** 138385 **Discharger Report:**  
**Site No:** **Material Group:**  
**Incident Dt:** 3/19/1997 **Health/Env Conseq:**  
**Year:** **Client Type:**  
**Incident Cause:** CONTAINER OVERFLOW **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:** POSSIBLE **Site Municipality:** 27101  
**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:** 3/19/1997 **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:** CANADIAN NATIONAL RAILWAY200 LITRES NAOH TO GROUNDCONTAINED, NEUTRALIZING.  
**Contaminant Qty:**



**Site:** PUC  
PINE CREST MOTEL PROPERTY (WEST OF KEELE ST. ON HWY. #7) TRANSFORMER VAUGHAN CITY ON

**Database:**  
SPL

**Ref No:** 55639  
**Site No:**  
**Incident Dt:** 8/14/1991  
**Year:**  
**Incident Cause:** COOLING SYSTEM LEAK  
**Incident Event:**  
**Contaminant Code:**  
**Contaminant Name:**  
**Contaminant Limit 1:**  
**Contam Limit Freq 1:**  
**Contaminant UN No 1:**  
**Environment Impact:** POSSIBLE  
**Nature of Impact:** Soil contamination  
**Receiving Medium:** LAND  
**Receiving Env:**  
**MOE Response:**  
**Dt MOE Arvl on Scn:**  
**MOE Reported Dt:** 8/14/1991  
**Dt Document Closed:**  
**Incident Reason:** OVERSTRESS/OVERPRESSURE  
**Site Name:**  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Incident Summary:** PUC -45 L. TRANSFORMER OIL TO GROUND FROM TRANSFORMER.  
**Contaminant Qty:**

**Discharger Report:**  
**Material Group:**  
**Health/Env Conseq:**  
**Client Type:**  
**Sector Type:**  
**Agency Involved:**  
**Nearest Watercourse:**  
**Site Address:**  
**Site District Office:**  
**Site Postal Code:**  
**Site Region:**  
**Site Municipality:** 27101  
**Site Lot:**  
**Site Conc:**  
**Northing:**  
**Easting:**  
**Site Geo Ref Accu:**  
**Site Map Datum:**  
**SAC Action Class:**  
**Source Type:**

**Site:** TORONTO TRANSIT COMMISSION  
KEELE STREET SOUTHBOUND, SOUTH OF KEELE STREET MOTOR VEHICLE (OPERATING FLUID) VAUGHAN CITY ON

**Database:**  
SPL

**Ref No:** 150326  
**Site No:**  
**Incident Dt:** 12/15/1997  
**Year:**  
**Incident Cause:** OTHER CONTAINER LEAK  
**Incident Event:**  
**Contaminant Code:**  
**Contaminant Name:**  
**Contaminant Limit 1:**  
**Contam Limit Freq 1:**  
**Contaminant UN No 1:**  
**Environment Impact:** POSSIBLE  
**Nature of Impact:** Water course or lake  
**Receiving Medium:** LAND  
**Receiving Env:**  
**MOE Response:**  
**Dt MOE Arvl on Scn:**  
**MOE Reported Dt:** 12/15/1997  
**Dt Document Closed:**  
**Incident Reason:** DAMAGE BY MOVING EQUIPMENT  
**Site Name:**  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Incident Summary:** TTC: SMALL QUANTITY OF DIESEL TO ROAD AFTER MVA.  
**Contaminant Qty:**

**Discharger Report:**  
**Material Group:**  
**Health/Env Conseq:**  
**Client Type:**  
**Sector Type:**  
**Agency Involved:**  
**Nearest Watercourse:**  
**Site Address:**  
**Site District Office:**  
**Site Postal Code:**  
**Site Region:**  
**Site Municipality:** 27101  
**Site Lot:**  
**Site Conc:**  
**Northing:**  
**Easting:**  
**Site Geo Ref Accu:**  
**Site Map Datum:**  
**SAC Action Class:**  
**Source Type:**

**Site:** York Disposal Services Limited  
Jane St. 150m north of Hwy 7 Vaughan ON

**Database:**  
SPL

**Ref No:** 6435-6YHNDT  
**Site No:**

**Discharger Report:**  
**Material Group:** Oil

**Incident Dt:**  
**Year:**  
**Incident Cause:** Discharge Or Bypass To A Watercourse  
**Incident Event:**  
**Contaminant Code:** 13  
**Contaminant Name:** DIESEL FUEL  
**Contaminant Limit 1:**  
**Contam Limit Freq 1:**  
**Contaminant UN No 1:**  
**Environment Impact:** Possible  
**Nature of Impact:** Other Impact(s); Surface Water Pollution  
**Receiving Medium:** Water  
**Receiving Env:**  
**MOE Response:** No Field Response  
**Dt MOE Arvl on Scn:**  
**MOE Reported Dt:** 2/17/2007  
**Dt Document Closed:** 11/15/2007  
**Incident Reason:** Spill  
**Site Name:** MVA - diesel spill<UNOFFICIAL>  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Incident Summary:** MVA: 150L DSL to CB and storm  
**Contaminant Qty:** 150 L

**Health/Env Conseq:**  
**Client Type:**  
**Sector Type:** Other Motor Vehicle  
**Agency Involved:**  
**Nearest Watercourse:**  
**Site Address:**  
**Site District Office:**  
**Site Postal Code:**  
**Site Region:**  
**Site Municipality:** Vaughan  
**Site Lot:**  
**Site Conc:**  
**Northing:**  
**Easting:**  
**Site Geo Ref Accu:**  
**Site Map Datum:**  
**SAC Action Class:**  
**Source Type:**

**Site:** *The Corporation of the City of Vaughan  
 Laurentian Rd. Vaughan ON*

**Database:**  
 SPL

**Ref No:** 2611-84ZJ6N  
**Site No:**  
**Incident Dt:**  
**Year:**  
**Incident Cause:** Other Discharges  
**Incident Event:**  
**Contaminant Code:** 44  
**Contaminant Name:** SEWAGE,RAW UNCHLORINATED  
**Contaminant Limit 1:**  
**Contam Limit Freq 1:**  
**Contaminant UN No 1:**  
**Environment Impact:** Not Anticipated  
**Nature of Impact:** Soil Contamination  
**Receiving Medium:**  
**Receiving Env:**  
**MOE Response:** No Field Response  
**Dt MOE Arvl on Scn:**  
**MOE Reported Dt:** 4/30/2010  
**Dt Document Closed:**  
**Incident Reason:** Equipment Failure - Malfunction of system components  
**Site Name:** Maplewood Lift Station<UNOFFICIAL>  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Incident Summary:** Maplewood Lift Station: raw sewage to pit  
**Contaminant Qty:** 757 L

**Discharger Report:**  
**Material Group:**  
**Health/Env Conseq:**  
**Client Type:**  
**Sector Type:** Sewage Treatment  
**Agency Involved:**  
**Nearest Watercourse:**  
**Site Address:**  
**Site District Office:**  
**Site Postal Code:**  
**Site Region:**  
**Site Municipality:**  
**Site Lot:**  
**Site Conc:**  
**Northing:**  
**Easting:**  
**Site Geo Ref Accu:**  
**Site Map Datum:**  
**SAC Action Class:** Sewage Bypasses / Overflows  
**Source Type:**

**Site:** *The Corporation of the City of Vaughan  
 Laurentian Blvd - near Dufferin and Kirby Vaughan ON*

**Database:**  
 SPL

**Ref No:** 3880-8EVLK5  
**Site No:**  
**Incident Dt:** 3/12/2011  
**Year:**  
**Incident Cause:** Overflow (Tanks Lagoons)  
**Incident Event:**  
**Contaminant Code:** 44  
**Contaminant Name:** SEWAGE,RAW UNCHLORINATED  
**Contaminant Limit 1:**

**Discharger Report:**  
**Material Group:**  
**Health/Env Conseq:**  
**Client Type:**  
**Sector Type:** Other  
**Agency Involved:**  
**Nearest Watercourse:**  
**Site Address:** Laurentian Blvd - near Dufferin and Kirby  
**Site District Office:**

**Contam Limit Freq 1:**  
**Contaminant UN No 1:**  
**Environment Impact:** Not Anticipated  
**Nature of Impact:** Surface Water Pollution  
**Receiving Medium:** Sewage - Municipal/Private and Commercial  
**Receiving Env:**  
**MOE Response:** Planned Field Response  
**Dt MOE Arvl on Scn:** 3/14/2011  
**MOE Reported Dt:** 3/12/2011  
**Dt Document Closed:**  
**Incident Reason:** Other - Reason not otherwise defined  
**Site Name:** Maplewood Sewage Pumping Station<UNOFFICIAL>  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Incident Summary:** Vaughan: Maplewood PS overflow, contained  
**Contaminant Qty:** 66750 L

**Site Postal Code:**  
**Site Region:**  
**Site Municipality:** Vaughan  
**Site Lot:**  
**Site Conc:**  
**Northing:**  
**Easting:**  
**Site Geo Ref Accu:**  
**Site Map Datum:**  
**SAC Action Class:** Watercourse Spills  
**Source Type:**

**Site:** **York Region Transit**  
**Keele Street, south of Highway 407 Vaughan ON**

**Database:**  
**SPL**

**Ref No:** 5036-8M92MV  
**Site No:**  
**Incident Dt:** 10/1/2011  
**Year:**  
**Incident Cause:** Pipe Or Hose Leak  
**Incident Event:**  
**Contaminant Code:** 24  
**Contaminant Name:** GLYCOL/WATER SOLUTION  
**Contaminant Limit 1:**  
**Contam Limit Freq 1:**  
**Contaminant UN No 1:**  
**Environment Impact:** Not Anticipated  
**Nature of Impact:** Surface Water Pollution  
**Receiving Medium:**  
**Receiving Env:**  
**MOE Response:** No Field Response  
**Dt MOE Arvl on Scn:**  
**MOE Reported Dt:** 10/1/2011  
**Dt Document Closed:**  
**Incident Reason:** Equipment Failure - Malfunction of system components  
**Site Name:** road allowance<UNOFFICIAL>  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Incident Summary:** YRT: Keele Street; ~ 14 L glycol to rd; cntnd & clng  
**Contaminant Qty:** 14 L

**Discharger Report:**  
**Material Group:**  
**Health/Env Conseq:**  
**Client Type:**  
**Sector Type:** Motor Vehicle  
**Agency Involved:**  
**Nearest Watercourse:**  
**Site Address:** Keele Street, south of Highway 407  
**Site District Office:**  
**Site Postal Code:**  
**Site Region:**  
**Site Municipality:** Vaughan  
**Site Lot:**  
**Site Conc:**  
**Northing:**  
**Easting:**  
**Site Geo Ref Accu:**  
**Site Map Datum:**  
**SAC Action Class:** Land Spills  
**Source Type:**

**Site:** **Draglam Waste & Recycling Inc.**  
**Dufferin St just S of Clark Vaughan ON**

**Database:**  
**SPL**

**Ref No:** 2537-956HAK  
**Site No:**  
**Incident Dt:** 22-FEB-13  
**Year:**  
**Incident Cause:** Collision/Accident  
**Incident Event:**  
**Contaminant Code:** 13  
**Contaminant Name:** DIESEL FUEL  
**Contaminant Limit 1:**  
**Contam Limit Freq 1:**  
**Contaminant UN No 1:**  
**Environment Impact:** Confirmed  
**Nature of Impact:** Other Impact(s); Soil Contamination  
**Receiving Medium:**  
**Receiving Env:**  
**MOE Response:** No Field Response

**Discharger Report:**  
**Material Group:**  
**Health/Env Conseq:**  
**Client Type:**  
**Sector Type:** Motor Vehicle  
**Agency Involved:**  
**Nearest Watercourse:**  
**Site Address:** Dufferin St just S of Clark  
**Site District Office:**  
**Site Postal Code:**  
**Site Region:**  
**Site Municipality:** Vaughan  
**Site Lot:**  
**Site Conc:**  
**Northing:**  
**Easting:**

**Dt MOE Arvl on Scn:**  
**MOE Reported Dt:** 22-FEB-13  
**Dt Document Closed:**  
**Incident Reason:** Operator/Human Error  
**Site Name:** hydro pole<UNOFFICIAL>  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Incident Summary:** Draglam Waste: truck struck hydro pole, 100L diesel to grnd  
**Contaminant Qty:** 100 L

**Site Geo Ref Accu:**  
**Site Map Datum:**  
**SAC Action Class:** Land Spills  
**Source Type:**

# 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 Sep 2019**

## **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-Oct 2018**

## **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-Jul 31, 2019**

## **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 2017**

**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, 2017**

**Chemical Register:**

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-Jul 31, 2019**

**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 - Nov 2019**

**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-Sep 2019**

**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-Nov 30, 2019**

**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 2019**

**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-Nov 30, 2019**

**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-Nov 30, 2019**

**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-Nov 30, 2019**

**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-Oct 31, 2019**

**Environmental Issues Inventory System:**

Federal [EIS](#)

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 EIS 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, 2018**

**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, 2017**

**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.

**Government Publication Date: Jun 2000-Aug 2019**

**Federal Identification Registry for Storage Tank Systems (FIRSTS):**

Federal FED TANKS

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**

**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 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, 2017**

**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-Jul 31, 2019**



**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 2017**

**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 is 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, 2017**

**Landfill Inventory Management Ontario:**

Provincial

LIMO

The Landfill Inventory Management Ontario (LIMO) database is updated every year, as the ministry compiles new and updated information. The inventory will include small and large landfills. Additionally, each year the ministry will request operators of the larger landfills complete a landfill data collection form that will be used to update LIMO and will include the following information from the previous operating year. This will include additional information such as 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 will 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-Jan 2019**

**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, 2017

**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, 2019

**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](http://www.nickles.com).

**Government Publication Date: 1988-Aug 31, 2019**

**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-Jun 2019**

**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-Nov 30, 2019**

**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: 1988-Nov 2019**

**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, 2017**

**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-Nov 30, 2019**

**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: 1986-2016**

**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 clean-up 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-Nov 2019**

**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-Jul 31, 2019**

**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

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.

**Government Publication Date: 1988-Jun 2019**

**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, 2017**

**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-Aug 2018**

**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, 2017**

**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-Nov 30, 2019**

**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: Feb 28, 2019**

# 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.



**APPENDIX C**  
Aerial Photographs



Source: Region of York Interactive Map – Imagery  
(<https://ww6.yorkmaps.ca/Html5Viewer24/Index.html?configBase=https://ww6.yorkmaps.ca/Geocortex/Essentials/Essentials43/REST/sites/CommunityServices/viewers/YorkMaps/virtualdirectory/Resources/Config/Default>)

### 1954 Aerial Photograph

Kirby Road, Jane Street to Dufferin Street  
Vaughan, Ontario





Source: Region of York Interactive Map – Imagery  
(<https://ww6.yorkmaps.ca/Html5Viewer24/Index.html?configBase=https://ww6.yorkmaps.ca/Geocortex/Essentials/Essentials43/REST/sites/CommunityServices/viewers/YorkMaps/virtualdirectory/Resources/Config/Default>)

### 1970 Aerial Photograph

Kirby Road, Jane Street to Dufferin Street  
Vaughan, Ontario



Source: Region of York Interactive Map – Imagery  
(<https://ww6.yorkmaps.ca/Html5Viewer24/Index.html?configBase=https://ww6.yorkmaps.ca/Geocortex/Essentials/Essentials43/REST/sites/CommunityServices/viewers/YorkMaps/virtualdirectory/Resources/Config/Default>)

### 1988 Aerial Photograph

Kirby Road, Jane Street to Dufferin Street  
Vaughan, Ontario



Source: Region of York Interactive Map – Imagery  
(<https://ww6.yorkmaps.ca/Html5Viewer24/Index.html?configBase=https://ww6.yorkmaps.ca/Geocortex/Essentials/Essentials43/REST/sites/CommunityServices/viewers/YorkMaps/virtualdirectory/Resources/Config/Default>)

### 1995 Aerial Photograph

Kirby Road, Jane Street to Dufferin Street  
Vaughan, Ontario



Source: Region of York Interactive Map – Imagery  
(<https://ww6.yorkmaps.ca/Html5Viewer24/Index.html?configBase=https://ww6.yorkmaps.ca/Geocortex/Essentials/Essentials43/REST/sites/CommunityServices/viewers/YorkMaps/virtualdirectory/Resources/Config/Default>)

### 1999 Aerial Photograph

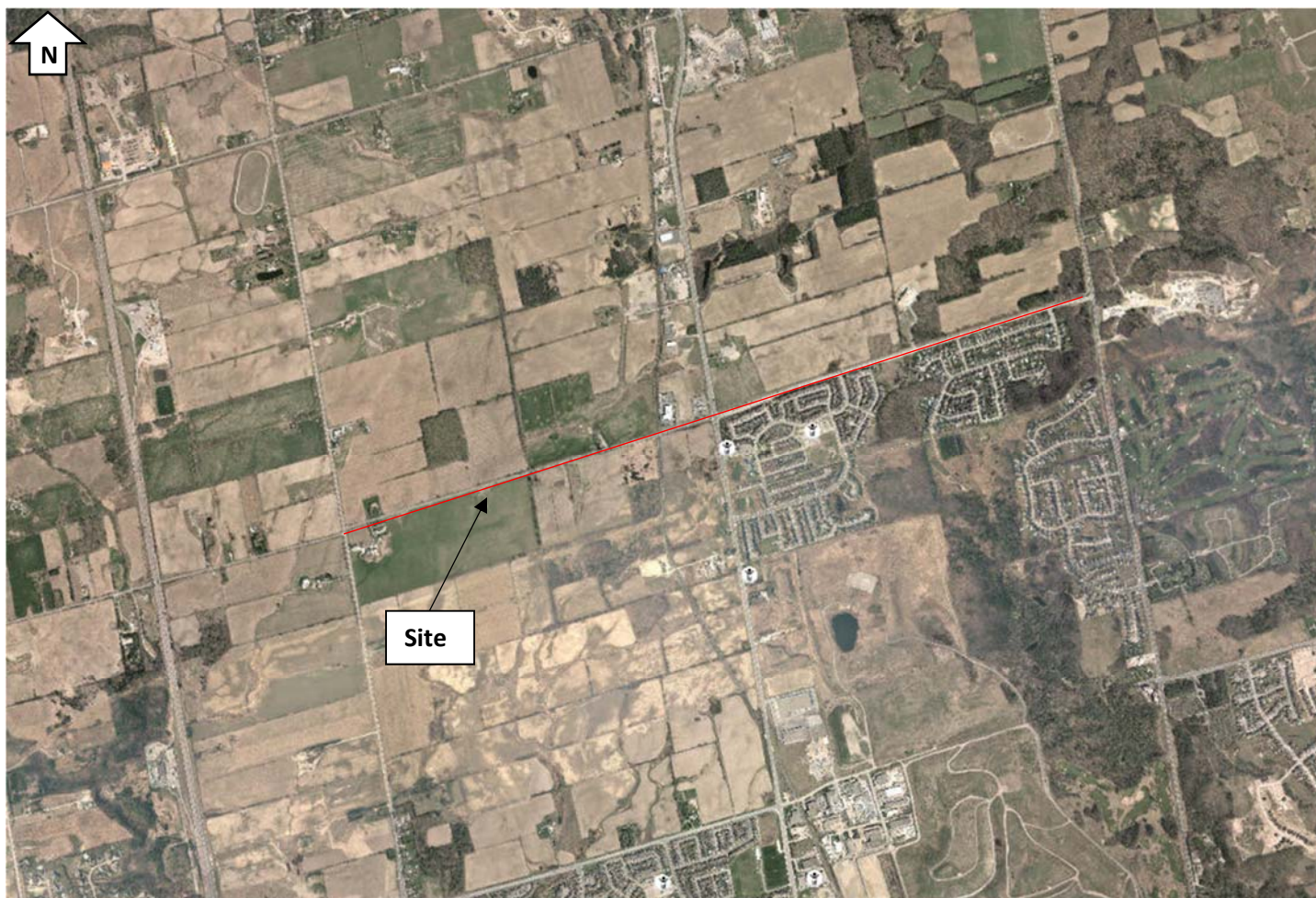
Kirby Road, Jane Street to Dufferin Street  
Vaughan, Ontario



Source: Region of York Interactive Map – Imagery  
(<https://ww6.yorkmaps.ca/Html5Viewer24/Index.html?configBase=https://ww6.yorkmaps.ca/Geocortex/Essentials/Essentials43/REST/sites/CommunityServices/viewers/YorkMaps/virtualdirectory/Resources/Config/Default>)

### 2005 Aerial Photograph

Kirby Road, Jane Street to Dufferin Street  
Vaughan, Ontario



Source: Region of York Interactive Map – Imagery  
(<https://ww6.yorkmaps.ca/Html5Viewer24/Index.html?configBase=https://ww6.yorkmaps.ca/Geocortex/Essentials/Essentials43/REST/sites/CommunityServices/viewers/YorkMaps/virtualdirectory/Resources/Config/Default>)

### 2012 Aerial Photograph

Kirby Road, Jane Street to Dufferin Street  
Vaughan, Ontario



Source: Region of York Interactive Map – Imagery  
(<https://ww6.yorkmaps.ca/Html5Viewer24/Index.html?configBase=https://ww6.yorkmaps.ca/Geocortex/Essentials/Essentials43/REST/sites/CommunityServices/viewers/YorkMaps/virtualdirectory/Resources/Config/Default>)

### 2019 Aerial Photograph

Kirby Road, Jane Street to Dufferin Street  
Vaughan, Ontario



**APPENDIX D**  
Site Photographs





Photo 1: View to the east on Kirby Road from near the intersection of Jane Street. Hydro poles and pole mounted transformers existed on the south side of the road.



Photo 2: View to the west on Kirby Road at the Barrie Go railway line crossing Kirby Road in a north-south direction.



Photo 3: A view to the west at the Gas Station located at 11600 Keele Street (on the northwest corner of the intersection of Keele Street and Kirby Road).



Photo 4: A view to the north from Kirby Road at the Truck Centre located at 2400 Kirby Road.



Photo 5: A view to the northwest from Kirby Road at the Golf Centre located at 2480 Kirby Road.



Photo 6: A view at the Farm Property / Contractor Yard located at 2939 Kirby Road.



Photo 7: A view to the east from Dufferin Street at the quarry located at 11333 Dufferin Street.



Photo 8: A view of the former dry cleaner at 11399 Keele Street – the plaza southeast of Kirby Road and Keele Street.



Photo 9: A view to the west on the north side of Kirby Road noting the culvert pipes that extend beneath the Site alignment.



Photo 10: A view of a pad-mounted transformer at the plaza with the municipal address of 11399 Keele Street.