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HYDROGEOLOGICAL REPORT

AT

123 DURHAM REGIONAL HIGHWAY 47, UXBRIDGE, ON

PREPARED FOR:

123 Highway 47 Inc.

December 19th, 2023

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1. Executive Summary

King EPCM (the Engineer) was retained by 123 Highway 47 Inc. (the Client) for geotechnical and environmental engineering services, including the creation of a Hydrogeological Study Report. The property was located at 123 Durham Regional Highway 47, Uxbridge, Ontario (the Site). It is understood that the hydrogeological Report is for the sole purpose of the application and development of a 14-lot industrial plan of subdivision on municipal water and private septic along with an access road. This report is to be submitted to the Township of Uxbridge, Toronto and Region Conservation Authority (TRCA), and Regional Municipality of Durham (Durham Region).

The proposed project is to demolish the existing dwelling and barns in the north of the site, to construct a 14-lot industrial plan with a new driveway to access the buildings, with site property post-development Total Impervious Surface Area (TIMP) = 192,199m^2 = 80%, and without any LID treatments, the site recharge is estimated at an equivalent of 84mm/year for the site, or 20,283m^3 (61% decrease as compared to pre-development). The subject property measures 24.026 hectares (59.37 Acres) and is located on the south side of Highway 47, the southeast corner of the intersection of Hwy 47 and York Durham Line. This Site is located on low-lying land within an Ecologically Significant Groundwater Recharge Area (ESGRA) and a TRCA Significant Groundwater Recharge Area (SGRA). As well, the property is identified as being within the Recharge Management Area (WHPA-Q/RMA) per the South Georgian Bay Lake Simcoe Source Protection Plan. This site is situated northwest of the Duffins Creek watershed. The site's materials are mainly sandy clay and silt, with medium permeability in the main part and low permeability in the eastern portion.

Due to the multiple aquifer protection area/groundwater recharge area designations for the property, eight boreholes were drilled at the site from May to July 2023 (Figure 1) including three boreholes near the existing dwelling and barns (BHs101-103) and five boreholes in the whole property (BHs104-108). Four new boreholes to measure the in-situ permeability using Pask Permeameter Apparatus were drilled in June 2023 (Figure 2).

- BH101 – north of the property, next to the existing building (east side), developed into the monitoring well
- BH102 – north of the property, next to the existing north warehouse (north side), developed into the monitoring well
- BH103 – north of the property, next to the existing south warehouse (south side), developed into the monitoring well
- BH104 – northwest of the property, developed into the monitoring well
- BH105 – southwest of the property, developed into the monitoring well
- BH106 – middle of the property, developed into the monitoring well
- BH107 – southeast of the property, developed into the monitoring well

- BH108 – northeast of the property, developed into the monitoring well

The property is located at the Reesor Creek Subwatershed in the northwestern corner of Duffins Creek Watershed, with a general stratigraphy consisting of brown sandy clay soil overlaid on a sandy gravelly clay layer (in BHs 101,103 and 108) and silt layer. Groundwater is a deep unconfined sandy clay aquifer, at approximately 348-339 masl, or 18.3-27.4 m below the surface while the seasonal groundwater table was around 0.9 m below the ground at the middle portion.

Eight boreholes and monitoring wells were installed, showing that there is a shallow perched groundwater at around 0.9 m below the grade almost in the middle property. Based on the in-situ permeability test, the engineers emphasize that an average unfactored infiltration rate = 42 mm/hour for the main portion of the site area with sandy clay material while an unfactored infiltration rate = 15.5 mm/hour for the eastern portion, west of the natural heritage area. The mean factored infiltration rate measured in the slowest underlying soil horizon is 6.2 – 16.8 mm/hour, and the ratio of infiltration rates is 2.5.

Post-development with mitigation, the total rate of infiltration has increased from 216 to 332mm/year or 52,059m^3 to 80,207m^3 (+54.1%) and +126.3% in total runoff rate.

Figure 1 - Location of boreholes at 123 Durham Regional Highway 47, Uxbridge, ON

Figure 2 - Location of boreholes to measure the in-situ permeability.

2-Project Description

The project has been designed for the development of a 14-lot industrial plan of subdivision on municipal water and private septic along with an access road (24.026ha or 59.37ac) located at 123 Durham Regional Highway 47, Uxbridge, Ontario (the Site; Figures 3 and 4). The envisaged project entails the demolition of the existing dwelling and barns located in the northern portion of the site to construct a 14-lot industrial plan. It is expressly understood that the Hydrogeological Report is intended exclusively for the application and development of the plan. As a result, King EPCM (the Engineer) has been engaged by 123 Highway 47 Inc. (the client), to provide geotechnical and environmental engineering services, with a focus on generating a Hydrogeological Study Report. This report is slated for submission to the Township of Uxbridge, Toronto and Region Conservation Authority (TRCA), and the Regional Municipality of Durham (Durham Region).

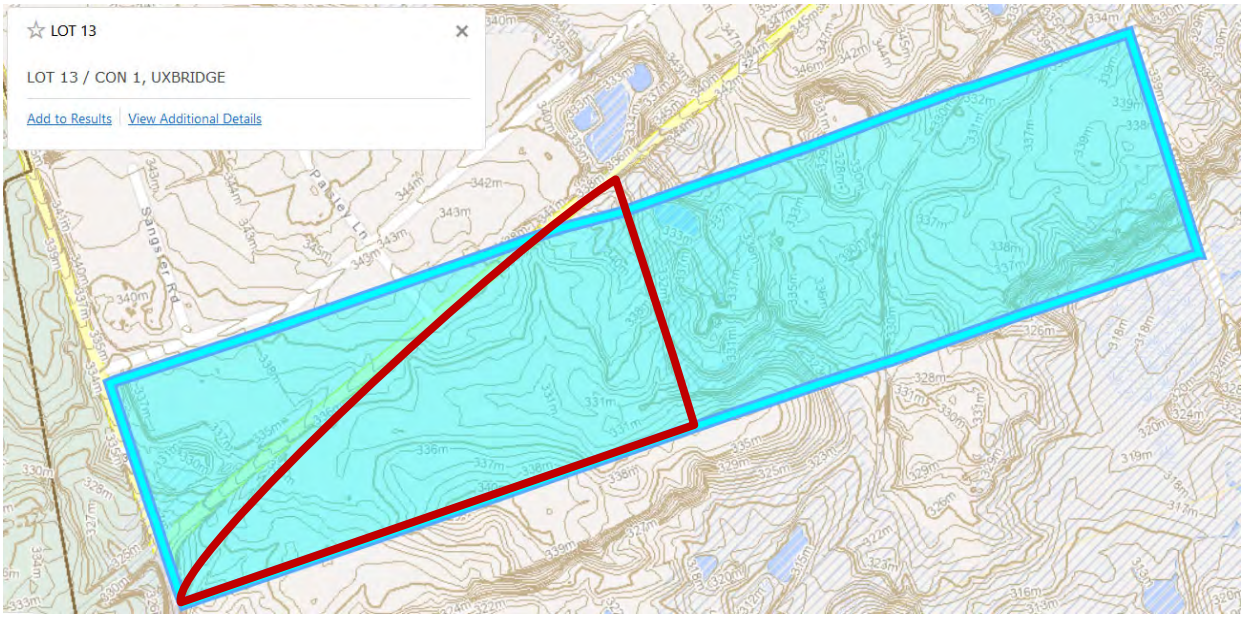

Figure 3 – Topographic map of 123 Durham Regional Highway 47, Uxbridge, ON

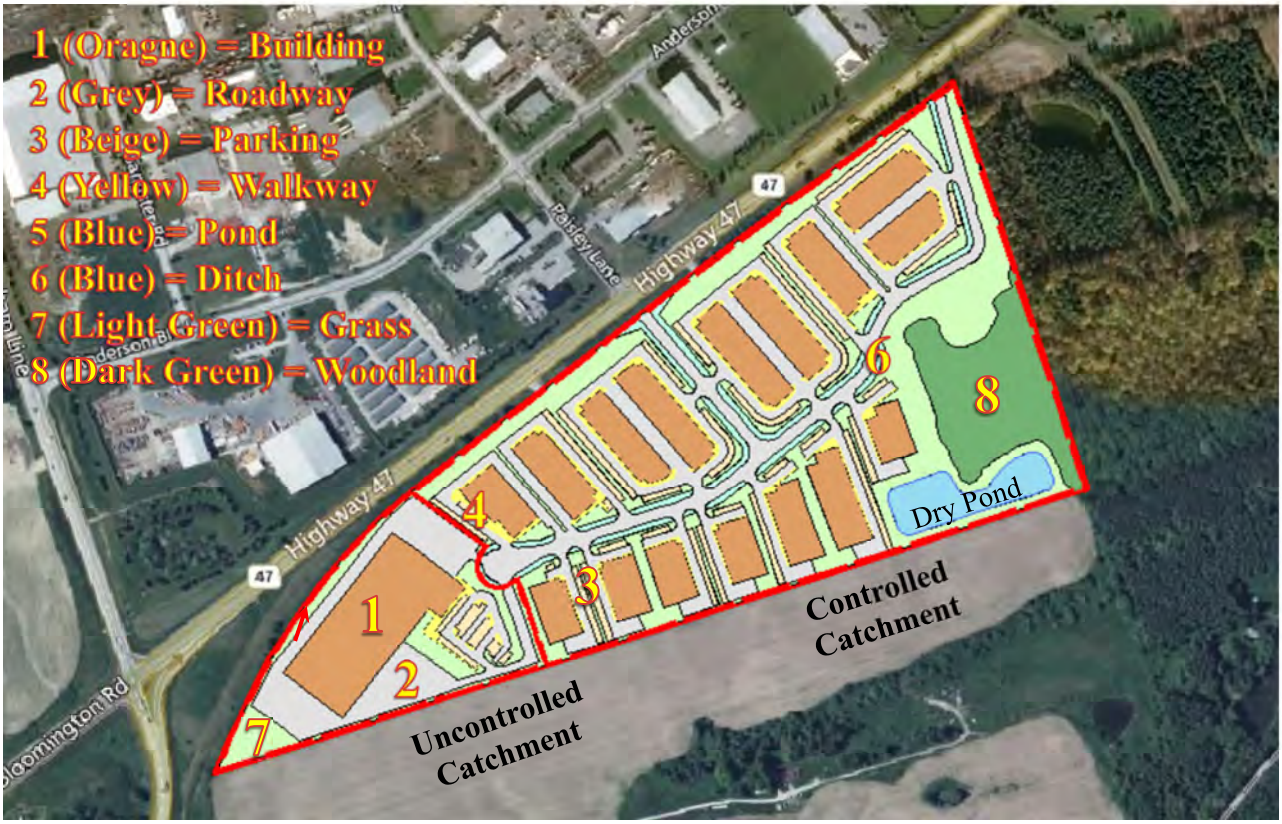

Figure 4 – Site Development Plan

Figure 5 –Aerial view of the site plan

Figure 6 – TRCA Regulated Area map, 123 Durham Regional Highway 47, Uxbridge

The proposed project is to demolish the existing dwelling and barns in the north of the site and construct 14 industrial units plus two new asphalt driveways, with site property post-development Total Impervious Surface Area (TIMP) = 192,199m^2 = 80%. The site material is mainly sandy clay and silt with medium permeability in the main part of the site and low permeability in the eastern portion of the site, in front of the woodlot.

The subject property measures 24.026 hectares and is located on the south side of Highway 47, between Concession Road 2 and York Durham Line. This Site is located on low-lying land within an Ecologically Significant Groundwater Recharge Area (ESGRA) and a TRCA Significant Groundwater Recharge Area (SGRA). As well, the property is identified as being within the Recharge Management Area (WHPA-Q/RMA) under the Official Plan.

This site is situated in the Reesor Creek Subwatershed in the northwestern corner of the Duffins Creek Watershed (Figures 6 and 7). The Reesor Creek Subwatershed is 38.9 km^2 in area with a flood control reservoir and a sewage treatment plant that discharges into the Duffins Creek west river system. It is a rural watershed underlain with predominately loam soils in a temperate climate and, as a result, the land use is dominated by agriculture (Smith et al., 2005). Duffins Creek drains into the north shore of Lake Ontario and connects communities across the Durham Region and York Region, including Pickering, Ajax, Markham, Whitchurch-Stouffville, and Uxbridge. It is one of the healthiest streams in the Greater Toronto Area (Figures 6-9). [11]

Figure 7 –Showing the location of the Duffins Creek Watershed to regulate TRCA, monitoring wells and grading levels (TRCA, 2018)

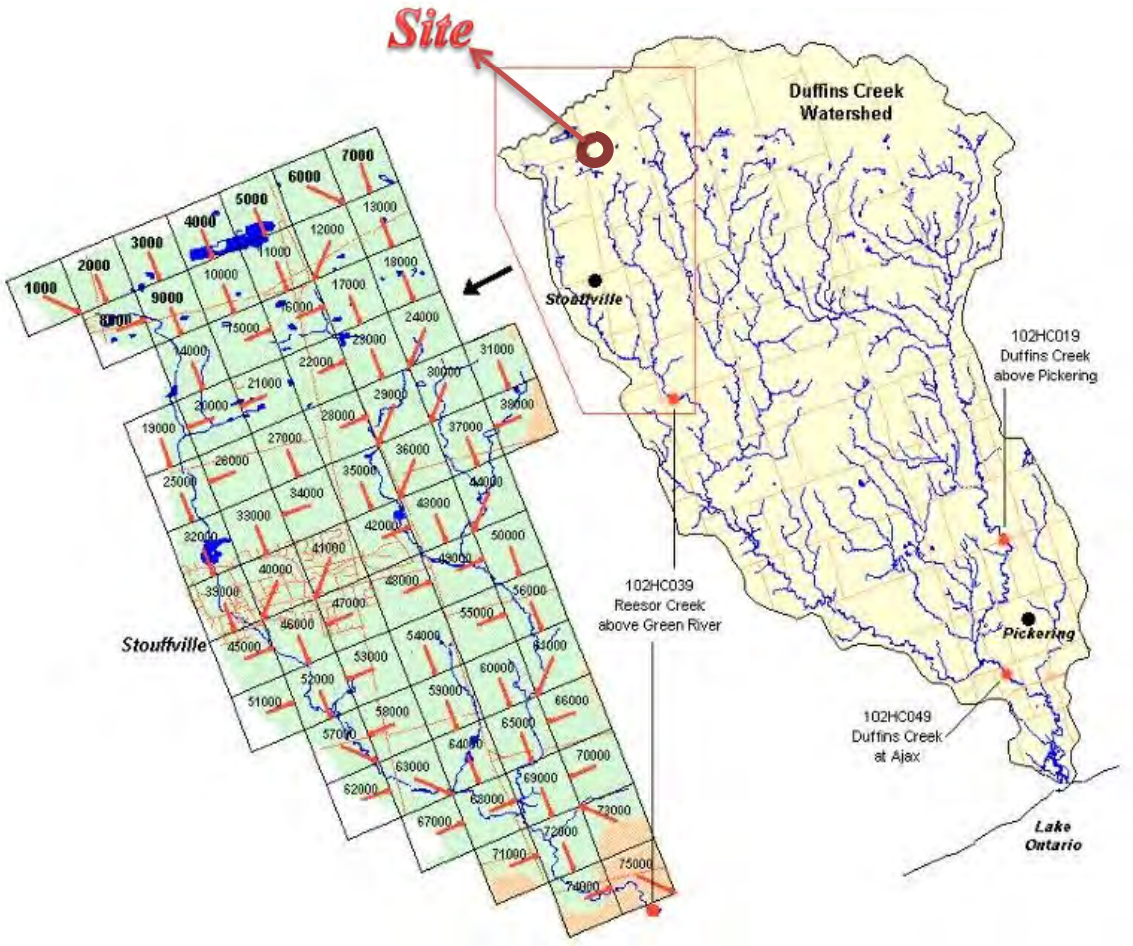

Figure 8 –Reesor Creek Subwatershed, showing model grid and flow directions (TRCA, 2003a)

Rural areas dominate the north of the Duffins Creek Watershed, while the southern portions are urban or urbanizing. While Duffins Creek Watershed has experienced urban growth in recent years, less than a third of its lands are urban or in the process of urbanizing. 71% of the watershed remains a predominantly rural landscape.

The northwest region of the Duffins Creek Watershed is safeguarded within Rouge National Urban Park, where public access to these lands is currently restricted. Additionally, the rural area is characterized by numerous estate subdivisions and non-farm residences.

Historically, Duffins Creek Watershed was dominated by vast forests. With European settlement came deforestation and a variety of agricultural practices, which negatively impacted the local ecosystem. Urbanization followed — but because the area of urban development remains limited, impacts on habitat and species have not been substantial. The high proportion of rural land in Duffins Creek Watershed means that 40% of the watershed has natural cover, of which 25% is forest, 11% is meadow, 3% is successional, and 2% is wetland.

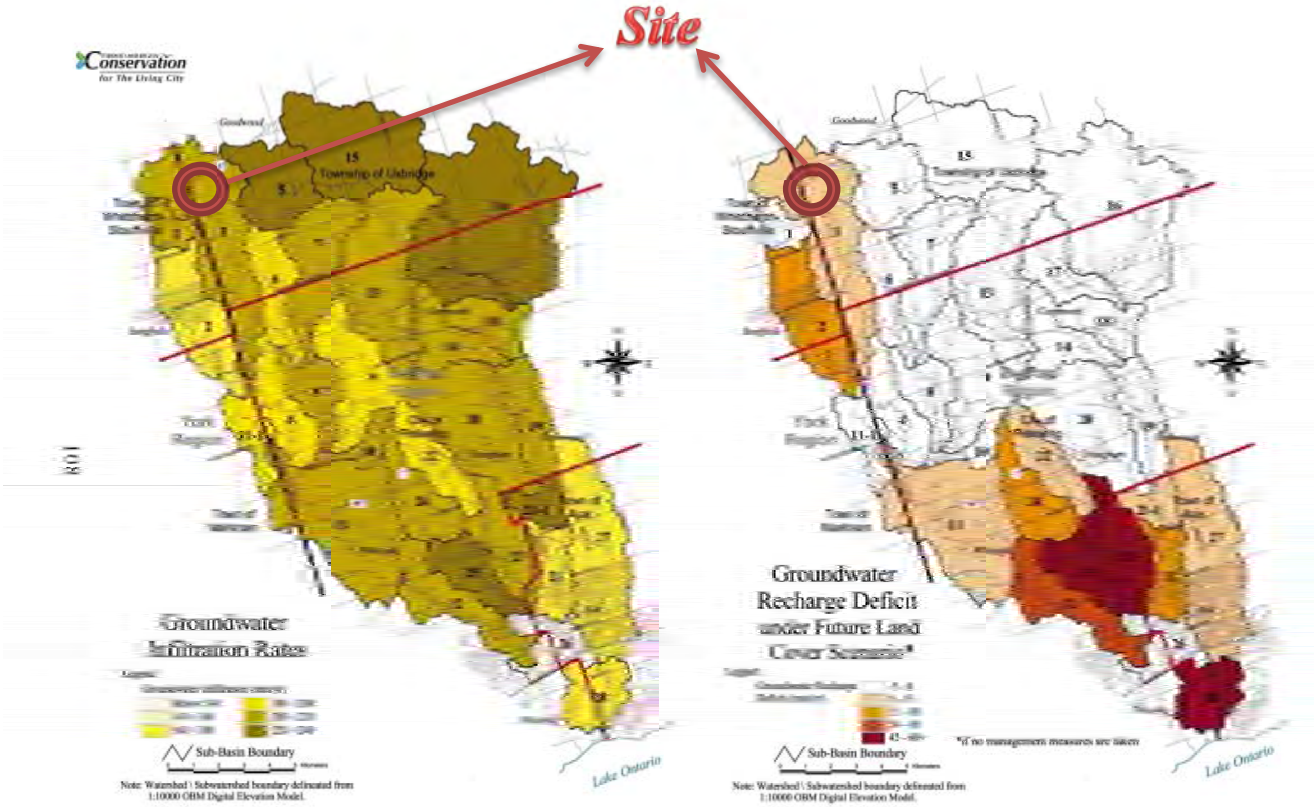

Figure 9 –Groundwater infiltration rates versus future groundwater recharge deficit within the Duffins Creek Watershed (TRCA, 2003b)

Duffins Creek Watershed has three physiographic units including **(1) Oak Rides Moraine:** An upland area, the source of many streams, like Duffins Creek, that drain into Lake Ontario to the south. The Moraine's hilly terrain is composed mainly of sand and gravel, with scattered small ponds; **(2) The South Slope of the Oak Ridges Moraine:** It has many drumlins, which are long and narrow mounds pointing upslope, formed from glacial debris. Fast-flowing streams in this area carved sharp valleys through the glacial till, an accumulation of unsorted, unstratified mixtures of clay, silt, sand, gravel, and boulders. Many types of soil are found along the South slope, some of which are good for agriculture, and **(3) Lake Iroquois Plain:** Along the shoreline of ancient Lake Iroquois, coarse soil particles like sand and gravel settled during glacial retreat, leaving a band of sandy soils. To the south, the Lake Iroquois plain is composed mainly of clay, and gently slopes towards the shore of Lake Ontario.

3. Background Site Conditions

Background site conditions before development can be broken down into several groups of information:

3.1. Base Information

- Site servicing is rural private services, with only overhead powerlines services available. All other services, such as water, propane, and septics are from on-site sources.
- Most of the Site contained cultivated land.
- Existing 884 m^2 of buildings, 2070 m^2 of driveway, 9231 m^2 of grassy lawn, 20,820 m^2 of woodland and 208,234 m^2 of cultivated land.
- The subject property is within an Ecologically Significant Groundwater Recharge Area (ESGRA) and a TRCA Significant Groundwater Recharge Area (SGRA). The property is identified as being within the Recharge Management Area (WHPA-Q/RMA) under the Official Plan.

3.2. Topographic Elevation & Drainage

- The Site is located within the Oak Ridges Moraine physiographic region. It is situated on low-lying land with a low slope to the southeast and southwest and in east portion shows a woodlot to the southwest which is covered with trees.
- The Site is situated in the Reesor Creek Subwatershed in the northwestern corner of the Duffins Creek Watershed, with Sandy Clay Hydrologic Soil Group B/D, with 1% Timp.
- The Site is on top of a shallow regional aquitard composed of sandy gravelly clay, with Oak Ridges Moraine sands immediately below (Figure 10).
- There is a roadside ditch along Highway 47 in the north of the site, which flows southwest and drains into a tributary connected to the Reesor Creek Subwatershed.
- Base yearly precipitation is 844 mm/year (Duffins Creek Watershed Climate Data, Appendix V)
- The Duffins Creek Watershed is located almost entirely within the Regional Municipality of York and Durham Regions and drains into Lake Ontario to the south. Its 81 kilometres of streams are in relatively good condition and are dominated by cold-water aquatic communities such as sculpin, trout, and numerous other fish species.
- The headwaters of the Duffins Creek Watershed originate on the Oak Ridges Moraine (Figure 10), flowing through mainly forested and agricultural lands. 60% of this headwater discharge occurs below the 275 m above sea level contour, one of the commonly accepted planning boundaries of the moraine. The remaining discharge is contributed by aquifers within and underlying deposits that extend to the south of the moraine. While 75-80 % of the watershed discharge to streams is received from the uppermost aquifer, 20-25% is contributed by deeper aquifers underlying the extensive Northern Newmarket till aquitard (Geber and Howard, 2002).
- Due to the presence of permeable surface soils and hummocky topography, the Oak Ridges Moraine is the primary recharge area for the underlying groundwater aquifers of the Duffins

Creek Watershed. Groundwater is generally moving from the topographic highs associated with the ORM towards the topographic lows associated with the major stream channels and Lake Simcoe.

- The general surface drainage is towards the southwest of the site.
- Site survey plan & topographic information in Appendix IV

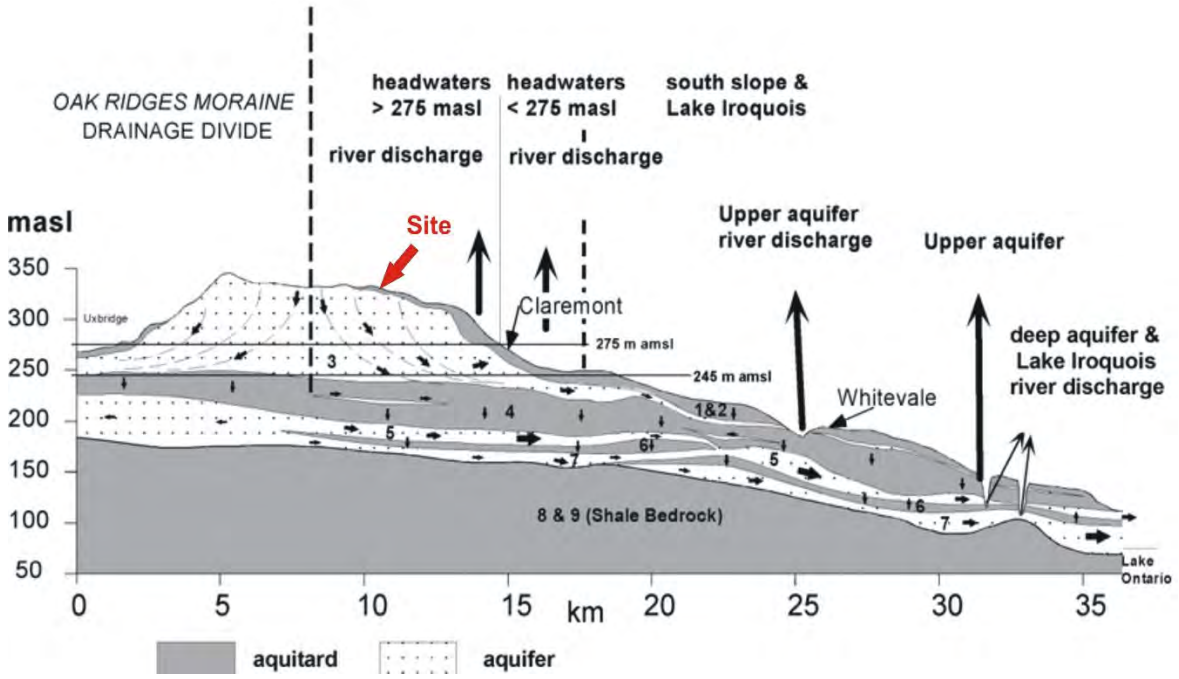

Figure 10- Geological setting of the Duffins Creek Watershed (Gerber and Howard, 2002)

3.3. MECP Well Records Database

- Eighty-six (86) separate well records were found near the site property within 500 m (Appendix I).
- Three (3) well records were found within the site property boundary, which are located at the east (Well ID # 1914561, 1916255), and north (Well ID # 1905967).
- In general, high groundwater was encountered at 2.3 – 70.4 m near the proposed development, Well ID # 6908399 with 70.4 m groundwater depth as the maximum GW level, located northwest.
- The site property and well records are within the Reesor Creek Subwatershed in the northwestern corner of the Duffins Creek Watershed and are characterized by sandy clay and sand clayey soils down to depths, however, a thick layer of silt was observed below 1.5 – 5.0 m.

- See Appendix I for MECP Well records within and surrounding the site boundary in a 500 m radius plus estimated flow direction.

Table 1 - MECP Well Records –Within the site boundary

Well ID	Year of Construction	Relative Direction of New Development	Surface Soil Type	Other Materials near Surface	Found Groundwater below Grade (ft)	End of Hole Depth (m)	Estimated Surface Elevation MASL	Estimated Groundwater AMSI
1905967	1980	N	Clay	Stone	60	23.8	339	320.8
1914561	2000	E	N/A	N/A	-	-	348	-
1916255	2002	E	Sand	Clay	89	27.1	348	320.9

Table 2 - MECP Well Records – Surrounding the site boundary (in a 500m radius)

Well ID	Year of Construction	Relative Direction of New Development	Surface Soil Type	Other Materials near Surface	Found Groundwater below Grade (ft)	End of Hole Depth (m)	Estimated Surface Elevation MASL	Estimated Groundwater AMSI
1907941	1986	NE	Clay	Gravel	90	29.3	342	314.6
1911828	1993	NE	Clay	Sand	93	32.3	335	313.7
1918187	2005	NE	Silt	Gravel	75.5	27.4	337	314
1918241	2006	N	N/A	N/A	-	-	343	-
1917645	2005	SE	Clay	Sand	-	49.4	331	-
1912239	1994	SE	Clay	-	115	36	322	287
7356016	2019	S	Sand	Gravel	7.5	4.6	327	324.7
1914668	2000	SE	Clay	-	81	26.8	320	295.3
4604233	1969	S	Clay	Gravel	34	93	323	312.6
4604231	1969	S	Loam	-	15	42.7	321	316.4
1906217	1981	S	Clay	Sand	79	28	318	294
1912952	1996	S	Clay	-	27	9.1	315	306.8

7146311	2010	S	N/A	N/A	-	29.9	316	-
7141724	2010	S	Fill	-	-	8.5	315	-
6908478	1963	SW	Loam	-	25	8.8	319	311.4
1915843	2002	SE	Loam	-	156	48.2	320	272.5
7184825	2012	SW	Sand	Clay	36	12.8	331	320
6909956	1970	SW	Clay	Stone	39	15.2	331	319
6922709	1994	SW	Clay	Sand	51	19.5	332	316.5
6928859	2003	W	Loam	-	-	161.2	331	-
6908479	1966	NW	Loam	Sand	190	61	345	287
6909140	1969	NW	previou sly dug	-	102	31.1	344	313
6918797	1987	NW	Clay	Sand	71	26.2	345	323.3
6928618	2004	NW	Loam	-	101.7	34.7	345	314
6909908	1970	NW	Clay	Sand	98	31.1	344	314
6909165	1969	NW	Clay	Gravel	92	28	343	315
6915061	1987	NW	Loam	-	210	64.9	340	276
6923698	1996	NW	Loam	-	75	25.3	341	318
1917056	2004	NW	N/A	N/A	-	-	341	-
1907231	1984	NW	Loam	Stone	74	28	341	318.5
4602713	1950	N	Loam	-	90	30.5	353	325.6
1917592	2005	NE	Silt	Till	-	25.9	351	-
1912600	1995	NE	Clay	Sand	45	18.9	351	337.3
7044099	2007	NE	N/A	N/A	-	-	349	-
7336673	2019	NE	Gravel	-	-	6.1	351	-
7336674	2019	NE	Gravel	-	-	6.1	351	-
7377481	2020	NE	N/A	N/A	-	-	351	-

7336675	2019	NE	Gravel	-	-	9.1	351	-
4604893	1971	N	Sand	-	139	42.4	351	308.6
1918120	2005	N	N/A	N/A	-	-	347	-
1918127	2005	N	N/A	N/A	-	-	347	-
1918128	2005	N	N/A	N/A	-	-	346	-
1909391	1988	N	Sand	Stone	-	75	345	-
1917328	2004	N	Sand	Gravel	187	61.8	361	304
4602712	1963	NW	Sand	Gravel	130	39.6	352	312.4
1911685	1993	NW	Clay	Sand	88	36	349	322.2
6909909	1970	NW	Clay	Sand	206	64	348	285.2
6914269	1977	NW	Sand	-	100	42.1	352	321.5
1917735	2004	NW	Till	Silt, Sand	114	38.1	348	313.3
6908401	1960	NW	Clay	-	73	26.8	349	326.8
6920326	1988	W	Clay	Fill	80	28.3	333	308.6
6928858	2003	W	Loam	-	-	19.8	332	-
6914906	1978	W	Clay	-	40	15.2	332	319.8
7129778	2009	W	Clay	-	45	13.7	330	316.3
1909338	1988	N	Clay	Sand	156	65.2	344	296.5
1911493	1990	N	Clay	Stone, Boulder	-	68.6	343	-
1911495	1991	N	Clay	Stone	153	61	344	297.4
1910882	1990	N	Loam	-	170	60	342	290.2
1909452	1988	N	Sand	Stone, Clay	196	65.2	343	283.3
1909453	1988	N	Sand	Stone, Clay	196	65.5	342	282.3
7281687	2017	SW	Silt	Sand	15	9.1	322	317.4

6908399	1953	NW	Sand	Gravel	231	73.2	344	273.6
7350935	2019	NW	Clay	Sand	-	4.6	340	-
1917140	2004	N	Clay	Sand	-	67.7	339	-
7314560	2018	NW	Clay	Stone	211	64.3	337	272.7
1909341	1988	NW	Sand	Silt	201	67.7	339	277.7
1909340	1988	NW	Sand	Silt	209	67.7	339	275.3
7355935	2019	NW	Loam	-	-	4.6	335	-
6929571	2005	W	Gravel	-	139	51.8	345	302.8
6929591	2005	W	Sand	-	170	51.8	341	289.2
7345774	2019	W	Clay	Gravel	118	37.2	339	303
6925399	2000	W	Loam	-	100	32.9	338	307.5
6930350	2006	W	Loam	-	111	35.1	338	304.2
6930351	2006	W	Loam	-	111	35.1	336	302.2
6930896	2006	W	Loam	-	112	35.4	335	301
6928861	2004	NW	Gravel	-	-	52.7	340	-
1913495	1997	SE	Loam	Sand	114	36	322	287.3
1916758	2003	SE	Clay	Sand	146	48.5	321	276.5
1918127	2005	N	N/A	N/A	-	-	347	-
1918129	2005	N	N/A	N/A	-	-	347	-
6908478	1963	SW	Loam	Sand	25	8.8	319	311.4
6918797	1987	NW	Clay	Sand	71	26.2	344	322.4
6923698	1996	NW	Loam	Stone	75	25.3	341	318.1
6928857	2003	W	Loam	Clay	-	41.8	331	-
7175520	2011	W	N/A	N/A	-	-	331	-
7175521	2011	W	N/A	N/A	-	-	331	-

4. Boreholes & Monitoring Wells

Eight (8) boreholes were drilled at the site property by King EPCM (O. Reg 903 License C-7691), and they were developed into monitoring wells. Detailed borehole drill logs are in Appendix II, while Table 2 below shows the summary. Shallow groundwater has been observed in the boreholes since drilling in May 2023 (Table 3).

Table 2 - Borehole & Monitoring Well Summary

Borehole #	Date	Northing (UTM)	Easting (UTM)	Surface Elev. (masl)	Hole Depth (m)	Screen Elevations (m)	Surface Soil type	Groundwater
101	10-July, 2023	4,875,221	641,617	336.88	6.1	330.34-332.28	Sandy Clay	no
102	6-June, 2023	4,881,934	621,133	337.56	4.6	333-334.45	Sandy Clay	yes
103	7-July, 2023	4,875,173	641,652	334.48	4.6	329.58-331.07	Sandy Clay	no
104	18-May, 2023	4,875,068	641,513	334.67	4.5	330.16-331.66	Sandy Clay	yes
105	25-May, 2023	4,874,952	641,434	329.93	4.5	325.44-326.93	Sandy Clay	no
106	24-May, 2023	4,875,101	641,754	336.04	4.5	331.54-333.03	Sandy Clay	yes
107	30-May, 2023	4,875,218	641,944	332.95	7.6	325.55-326.84	Sandy clay	yes
108	5-June, 2023	4,875,430	641,986	339.34	4.5	334.84-336.34	Sandy clay	no

Table 3 –Water-level measurements(m) in monitoring wells, May to July, August, October & November 2023

Borehole #	Date				Max GW (mbgl)
	Drilling day (Ma.-Jul. 2023)	23-Aug., 2023	04-Oct., 2023	07-Nov., 2023	
101	Dry	Dry	Dry	Dry	-
102	332.92	333.76	332.42	332.42	3.96
103	Dry	Dry	Dry	Dry	-
104	330.37	331.54	329.77	329.98	4.3
105	Dry	Dry	Dry	Dry	-
106	335.14	334.79	333.79	333.62	0.9
107	Dry	Dry	Dry	Dry	-
108	327.12	Dry	Dry	Dry	5.8

5. In-situ Measurement of Field Saturated Hydraulic Conductivity

Based on a field visit dated June 16, 2023, "field-saturated" hydraulic conductivity (K_{fs}), was achieved using the "Constant Head Well Permeameter" (CHWP) method. K_{fs101} and K_{fs102} were conducted southeast corner near the natural heritage, near BH107 while K_{fs103} at the central portion near the existing dwelling (near BH106) and K_{fs104} at the southwest corner near the BH105 using ETC both Standard and Slow Soils Pask Permeameter Apparatuses. The "Constant Head Well Permeameter" (CHWP) method was described in Appendix III in detail.

It is understood that the in-situ infiltration test was not tested at the actual LID bottom but based on sieve size analysis and borehole soil samples, it is in the Engineer's opinion as a geotechnical engineer that the soils perform similarly in hydrological infiltration potential.

The ETC Pask Permeameter is a convenient and easy-to-use apparatus for ponding a constant head of water in a well, and simultaneously measuring the flow into the soil. The K_{fs} was calculated as:

K_{fs101} = 1.4E-6 m/sec= 1.4E-4 cm/sec
K_{fs102} = 2.5E-8 m/sec= 2.5E-6 cm/sec
K_{fs103} = 6.9E-7 m/sec= 6.9E-5 cm/sec
K_{fs104} = 1.4E-6 m/sec= 1.4E-4 cm/sec

Then using the temperature correction factor (for t=18-22$^{\circ c}$) from the manual.

K_{a101} = 8.4E-7 m/sec= 8.4E-5 cm/sec
K_{a102} = 1.7E-8 m/sec= 1.7E-6 cm/sec
K_{a103} = 4.6E-7 m/sec= 4.6E-5 cm/sec
K_{a104} = 8.4E-7 m/sec= 8.4E-5 cm/sec

Correlations between Perc Time (PT) and field-saturated hydraulic conductivity (K_{fs}) are often used in the development of on-site water recycling and treatment facilities that operate by infiltration into unsaturated soil. Based on OMMAH (1997) interpolation, the measured infiltration rate may be interpolated as:

PT_{101} = 13.6 min / cm (Infiltration Rate = 44.1 mm/hour)

PT_{102} = 38.7 min / cm (Infiltration Rate = 15.5 mm/hour)

PT_{103} = 16 min / cm (Infiltration Rate = 37.6 mm/hour)

PT_{104} = 13.6 min / cm (Infiltration Rate = 44.1 mm/hour)

The engineer's opinion is to trust the values obtained from the OMMAH (1997), with an averaged unfactored infiltration rate = 42 mm/hour for the main portion of the site area while an unfactored infiltration rate = 15.5 mm/hour for the eastern portion, west of the natural heritage area.

For a conservative approach to infiltration speeds, the Wisconsin Department of Natural Resources (2004) method shall be used for the calculation of a factored design infiltration rate and the Engineer's opinion is that the factored engineering design infiltration rate is 6.2 – 16.8 mm/hour, with a safety factor of 2.5. See Appendix III for more details, the calculations, and the graphs provided.

6. In-Situ Hydraulic Conductivity Deep Testing

6.1. Grain Size Analyses

After the field investigation, samples of the shallow and deep soils in boreholes # 104 and 106-108, were assessed using the results obtained from grain size analyses (sieve analysis test). The purpose of this test was to characterize the grain size distribution of the intended soils and to ascertain an estimated infiltration rate for use in a detailed design of the septic.

Grain size analyses of collected shallow and deep soil samples are exhibited in Tables 4 and 5. Grain-size curves for the tested samples are provided in Appendix IV. Note that deep grain size analysis is generally less accurate for estimation of infiltration rate, as there are significant silts and clays.

Table 4 -Shallow Soil Grain Size Analyses Results

Monitoring Well No.	Well Depth (m)	Screened interval (masl)	Screened Stratigraphic unit	Estimated Percolation Rate ("T-time") min/cm	Infiltration Rate (mm/hour)
BH104	4.5	334.25-330.95	Brown sandy clay	18	33.33
BH106	4.5	335.2-334.55	Brown sandy clay	35	17.14
BH107	7.6	332.5-327.05	Brown sandy clay	20	30
BH108	4.5	339.05-337.55	Brown sandy clay	35	17.14

Table 5 -Deep Soil Grain Size Analyses Results (generally less accurate for silts and clays)

Monitoring Well No.	Well Depth (m)	Screened interval (masl)	Screened Stratigraphic unit	Estimated Percolation Rate ("T-time") min/cm	Infiltration Rate (mm/hour)
BH104	4.5	330.95-330.17	Brown silt	35	17.14
BH106	4.5	334.55-331.55	Brown silt	35	17.14
BH107	7.6	327.05-325.32	Brown silt	40	15
BH108	4.5	335.85-334.85	Brown sandy gravelly clay	35	17.14

6.2. Slug Test

Hydraulic conductivity (K-value) of the lower layer of the soil in borehole #107 (327.05-325.32 masl), composed of brown silt at the pond bottom, was also estimated using the results derived from a falling head hydraulic conductivity test (slug test). The test, conducted on December 01, 2023, aimed to estimate the saturated hydraulic conductivity (K) of the soil at the depth of the well screen.

The slug test methodology followed the procedures developed by Hvorslev (1951), as described in Freeze and Cherry (1979). The tests were conducted as falling head tests, involving pouring a slug of water (38 litres) into the well and observing the related response in water table height (a rise), followed by a fall in the water table height. The water level at the start of the test was measured and recorded. Subsequently, the decrease in water level was measured and recorded at intervals of one and five minutes until a stable and continuous decrease in the water level was identified. Finally, the rate of fall (cm/min) was measured for each water level record.

The water level data from the monitoring well (BH 107) was analysed using Hvorslev's expression for hydraulic conductivity (K). A summary of K values estimated from the slug test is shown in the following table.

Table 6: Summary of Hydraulic Conductivity Testing via Slug Test

Monitoring Well No.	Well Depth (m)	Screened interval (masl)	Screened Stratigraphic unit	Estimated Hydraulic Conductivity (Slug Test) (cm/sec)	Infiltration Rate (mm/hour)
BH107	7.6	327.05-325.32	Brown silt	5.8×10^{-5}	2.09

In summary, hydraulic conductivity analysis (slug test), on deep soils (BH 107) at the pond construction site demonstrated the estimated hydraulic conductivity value (K) of the silt soil in depths 327.05-325.32 masl is 5.8×10^{-5} cm/sec, corresponding to an infiltration rate of 2.09 mm/hour. The detailed hydraulic conductivity deep data analysis sheet (slug test) is presented in Appendix V.

7. Bedrock Geology

The Site is underlain by the Upper Ordovician age Blue Mountain Formation (previously the Whitby Formation) consisting of uniform soft and laminated dark-bluish grey to brown to black shale with thin interbeds of limestone or calcareous siltstone (Hewitt, 1966). The formation has an open marine provenance (Churcher et al., 1991).

8. Hydrostratigraphy

Based on borehole drill logs, the site stratigraphy consists of black topsoil, brown sandy clay, sandy gravelly clay, and brown silt which have been marked in borehole logs. Table 7 below shows the summary of soil stratigraphy in the studied boreholes. Fresh groundwater was encountered at 0.9 m to 5.8 m layers. Two cross-sections (A-A′ and B-B′) were drawn to investigate the lateral extension of soil layers in the northern-southern and eastern-western extents of the site and to compare them in drilled boreholes. This investigation revealed that the soil sequence of the site consists of well-graded materials, including sandy clay, sandy gravelly clay, and silt, which extend with not very significant thickness variations in the different places. The location of the section lines and cross sections are shown in Appendix VI.

Table 7 –Soil stratigraphy in the studied boreholes

Borehole 101		**Borehole 102**	
0 – 0.3 m	Black topsoil, moist	0 – 0.3 m	Black topsoil, moist
0.3 – 1.2 m	Brown sandy clay, dry	0.3 – 1.8 m	Brown sandy clay, dry
1.2 – 1.8 m	Brown sandy clay, moist	1.8 – 2.4 m	Sandy gravelly clay, moist
1.8 – 6.1 m	Brown silt	2.4 – 4 m	Sandy clay, moist
		4 – 4.6 m	Brown silt
Borehole 103		**Borehole 104**	
0 – 0.3 m	Black topsoil, moist	0 – 0.4 m	Black topsoil, moist
0.3 – 1.5 m	Brown sandy clay, dry	0.4 – 3.7 m	Brown sandy clay, dry
1.5 – 1.8 m	Sandy gravelly clay, moist	3.7 – 4.3 m	Brown sandy clay, moist
1.8 – 4.6 m	Brown silt	4 – 4.6 m	Brown silt
Borehole 105		**Borehole 106**	
0 – 0.4 m	Black topsoil, moist	0 – 0.4 m	Black topsoil, moist, medium plastic
0.4 – 3.7 m	Brown sandy clay, dry	0.4 – 0.8 m	Brown sandy clay, moist, medium plastic
3.7 – 4.5m	Brown sandy clay, moist, medium plastic	0.8 – 1.5 m	Brown sandy clay, moist
		1.5 – 4.5 m	Brown silt
Borehole 107		**Borehole 108**	
0 – 0.4 m	Black topsoil, moist	0 – 0.3 m	Black topsoil, dry
0.4 – 5.8 m	Brown sandy clay, moist, low plastic	0.4 – 1.8 m	Brown sandy clay, dry
5.8 – 7.6 m	Brown silt	1.8 – 3.5 m	Brown sand, moist
		3.5 – 4.5 m	Brown sandy gravelly clay, moist

When cross-referencing the northwestern portion of the Reesor Creek Subwatershed along Highway 47 with the MECP's historic well records and well locations (Tables 1 and 2), an estimated groundwater elevation can be determined for all historic wells within and near the site boundary. As referenced in Table 2 above, well records in the northern portion of the site are locally higher in elevation, approximately 337 masl, while the southern and western portions of the site have a groundwater elevation of around 272 to 338 masl. The aquifer and groundwater elevation for the site is estimated to be 335.15 m above mean sea level. See Appendix I for more details.

The property is located at the northwestern of the Reesor Creek Subwatershed and drains southward and southeastward according to the topographic elevations, while the drainage roadside swale flows to the southwest and discharges to a tributary of the Reesor Creek Subwatershed.

The hydrostratigraphic layers observed from the surface to the bedrock at depth in the Duffins Creek Watershed indicate the following portions (Figure 11):

1. Lake Iroquois (a) and Halton Till (b)
2. Mackinaw Interstadial deposits
3. Northern/Newmarket Till
4. Thorncliffe Formation deposits
5. Sunnybrook Till
6. Scarborough and Don Formations deposits
7. Blue Mountain Formation deposits (previously the Whitby Formation) with Upper Ordovician age.

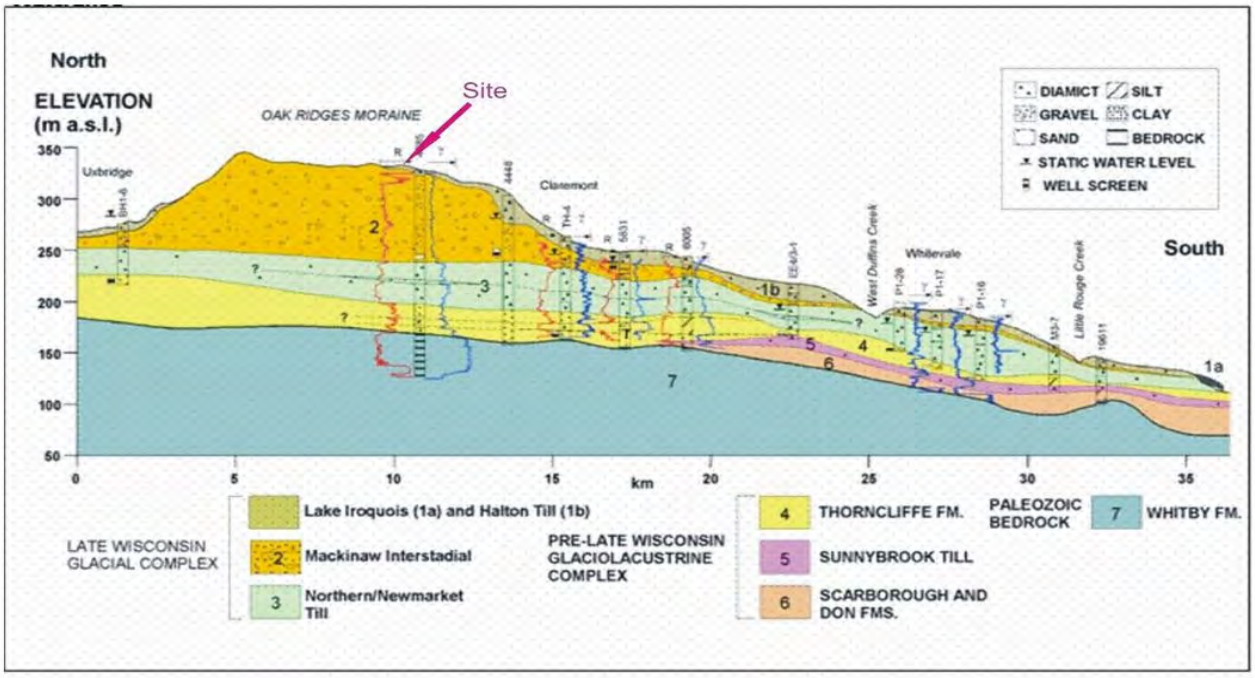

Figure 11 –Stratigraphic cross-section showing surface Geologic Deposits of the Duffins Creek Watershed (Geber Geosciences Inc., 2002)

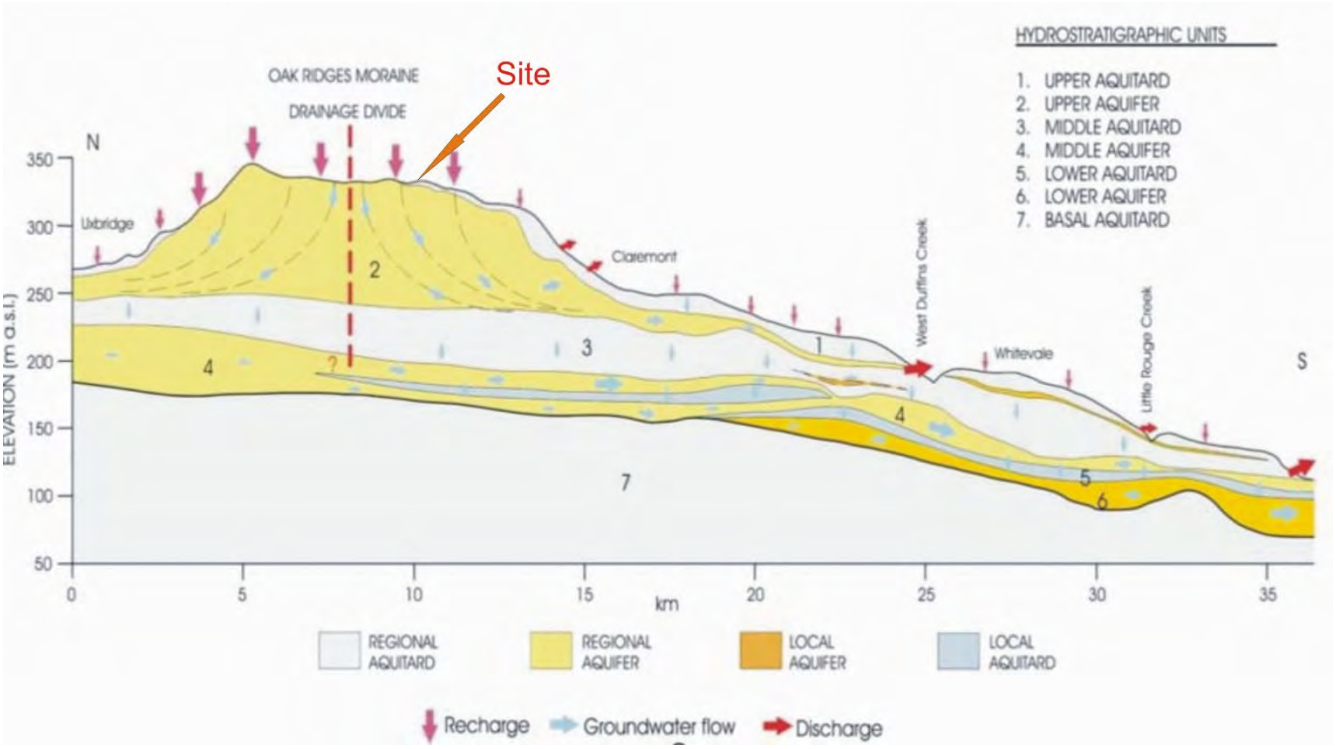

Figure 12- Duffins Creek Basin Conceptual Flow Model (TRCA, 2003b)

9. Wellhead Protection Area (WHPA)

The Site is located within the wellhead protection area Q1 and Q2 with a stress rating of moderate which means if additional water taking is required then recharge will be needed to offset any recharge loss (WHPA Q1- refers to the area where activities that take water without returning it to the same source may be a threat, while WHPA Q2- refers to the area where activities that reduce recharge may be a threat).

A wellhead protection area (WHPA) is the area around the wellhead that contributes source water to a drinking water system (i.e., a municipal well). It shows where groundwater is coming from to supply a municipal well, and how fast it is travelling through the ground toward the well (measured in years). A WHPA is made up of different-sized and spherical-shaped zones (A-E) around the municipal well.

Based on the Source Protection Information Atlas, a small portion of the northeastern corner of the site, comprising 4031 m^2 in Zone C with a score of 6, and 389 m^2 in Zone B with a score of 10, falls within the southern part of the Wellhead Protection Area (WHPA) (Figure 13). The characteristics of these zones are introduced in Table 5. Zone C (WHPA-C) indicates an area where water and any pollution that may be present can reach the well within 2 to 5 years and Zone B (WHPA-B) is an area where water and any pollution that may be present can reach the well within 2 years. The vulnerability of each zone for every wellhead protection area in the CSPA was determined based on several factors that account for how easily the groundwater could become contaminated from activities on the ground surface. The wellhead protection areas in the CSPA are generally vulnerable since soils are relatively thin and permeable, and

the underlying bedrock has many gaps (called fractures). The zones closest to the well in a WHPA have the highest vulnerability, since there is less time for pollutants to break down and for cleanup to happen before the water reaches the well.

Table 8 – Characteristics of Wellhead Protection Area (WHPA-B, C) in the northeastern corner of the site

WHPA-B	WHPA-C
Source Protection Area: **Toronto**	Source Protection Area: **Toronto**
Wellhead Protection Area: **B**; the score is **10**	Wellhead Protection Area: **C**; the score is **6**
Wellhead Protection Area (WHPA-E): **No**	Wellhead Protection Area (WHPA-E): **No**
Intake Protection Zone: **No**	Intake Protection Zone: **No**
Issue Contributing Area: **No**	Issue Contributing Area: **No**
Significant Groundwater Recharge Area: **Yes**; score is **N/A**	Significant Groundwater Recharge Area: **Yes**; score is **N/A**
Highly Vulnerable Aquifer: **No**	Highly Vulnerable Aquifer: **No**
Event-Based Area: **No**	Event-Based Area: **No**
Wellhead Protection Area Q1: **Yes** Stress: **Moderate**	Wellhead Protection Area Q1: **Yes** Stress: **Moderate**
Wellhead Protection Area Q2: **Yes** Stress: **Moderate**	Wellhead Protection Area Q2: **Yes** Stress: **Moderate**
Intake Protection Zone Q: **No**	Intake Protection Zone Q: **No**

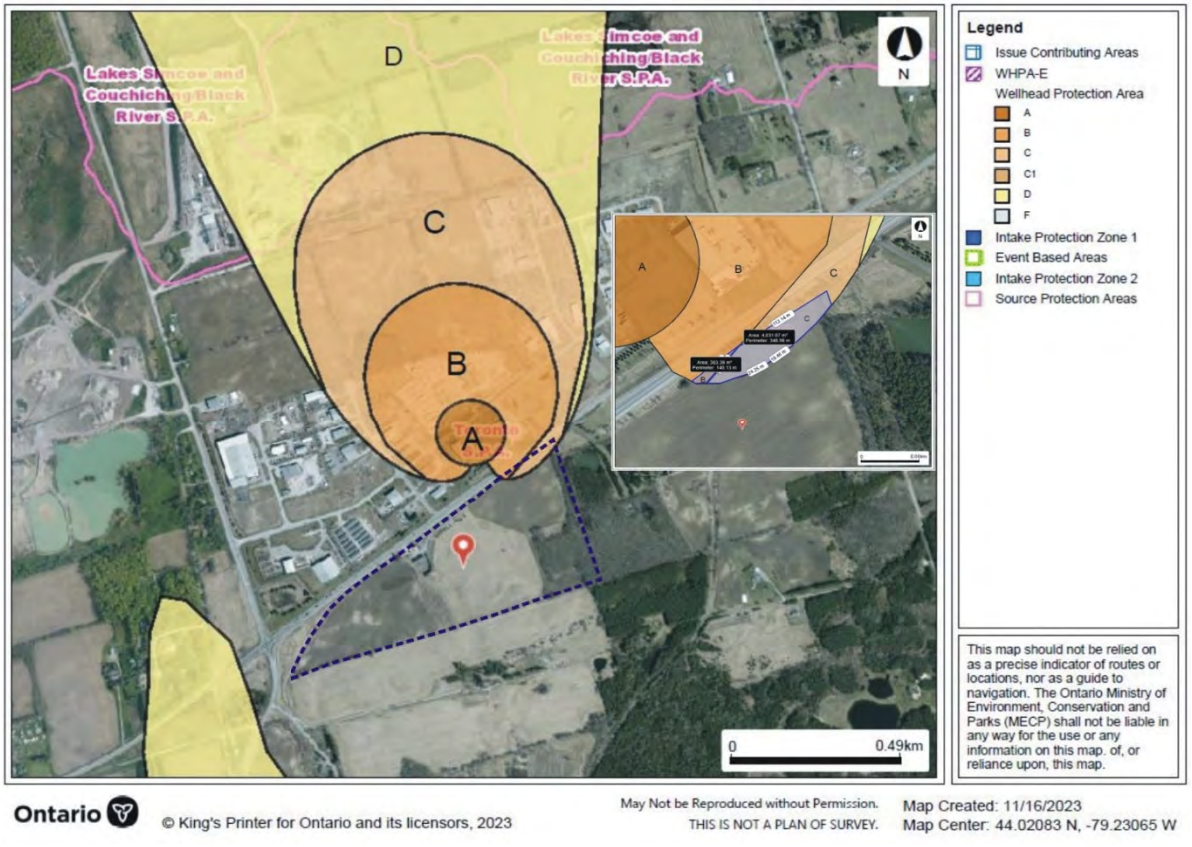

Figure 13 –Showing Site Location in the south of a Wellhead Protection Area (WHPA), A small portion of the northeastern part of the site is situated in zones B and C.

10. Highly Vulnerable Aquifer (HVA)

The Ontario Source Protection Information Atlas indicates a Wellhead Protection Area (WHPA) north of the Site that has covered a small portion of the northeastern site (WHPA-B, C) and is not located in an area with a Highly Vulnerable Aquifer (HVA) (Figure 11, Table 8). HVAs are portions of the landscape that are vulnerable to contamination, based on depth to the aquifer and type of materials above it, for instance, clay versus sand or fractured rock. They are delineated according to Technical Rules under the Clean Water Act. The Site is located south of Highway 47 close to Uxbridge Industrial Park in north of Highway 47. Its material is mainly sandy clay and silt with medium permeability in the main part and low permeability in the eastern portion while in general, an HVA will consist of source granular aquifer materials or fractured rock that have high permeability and are exposed near the ground surface with a relatively shallow water table.

11. Private Well Water Supply

The site property currently has two private water wells in service (Wells ID# 1905967 & 1916255). These wells will be retained for service to the proposed buildings and landscape. The decision regarding the wells will be made after the approval of industrial sub-divisions.

12. On-site Sewage Septic

The site property currently has a single residential dwelling and an on-site sewage septic system service. According to the proposed development plan for the construction of 14 industrial lots within the subdivision, utilizing municipal water and private septic systems, each lot will have a septic system.

Based on the results from Section 4-In-situ Infiltration Testing, the native soil characteristic of the entire site has an infiltration rate = 15.5-42 mm/hour or an equivalent septic design T-time of 14.4 min/cm (an average T-time based on three infiltration tests in the development area), due to sandy clay primary soils with a low groundwater table.

12.1. Water Quality Risk Assessment

The proposed development consists of 14 industrial lots. Developments that consist of more than five (5) lots that will be serviced with individual on-site sewage systems are subject to the MECP Procedure D-5-4 Technical Guidelines for Individual Onsite Sewage Systems: Water Quality Impact Risk Assessment (Procedure D-5-4, MOE, 1996). This analysis evaluates the cumulative impact of the proposed sewage systems on the local groundwater regime. The potential for impacts to occur depends on the local hydrogeological setting, the volume of effluent discharged as well as the concentration of nutrients

discharged in the effluent. The nutrient of concern is typically nitrate nitrogen. Procedure D-5-4 outlines a three-step assessment process as follows:

• **Step 1** – Assessment considers the minimum lot size for each private lot. For developments where the lot size is one hectare or larger, it is assumed that the attenuative processes will be sufficient to reduce nitrate nitrogen to an acceptable concentration below the adjacent property. If smaller lots are proposed, the assessment proceeds to Step 2.

As per Procedure D-5-4, for developments where the lot size for each private residence within the development is one hectare or larger, the risk that the boundary limits imposed by these guidelines may be exceeded by the individual system is considered acceptable in most cases. Developments consisting of lots that average 1 hectare (with no lot being smaller than 0.8 Ha), may not require a detailed hydrogeological assessment. Therefore, lots 1, 4, 5, and 7 of the proposed development with more than one hectare size, and lots 2, 3, 6, and 13 with site areas between 0.8 ~ 0.9 hectares may not require a detailed hydrogeological assessment. They would post minimum risks at the boundary limits and do not need further evaluation.

• **Step 2** – System Isolation. This considers the relationship between the individual onsite sewage systems and the groundwater. Developments are a low risk where it can be demonstrated that the effluent is hydrogeologically isolated from existing or potential supply aquifers. Where it cannot be demonstrated that the systems are isolated from existing or potential groundwater supplies, it is necessary to progress to the third step of the assessment.

Based on the proposed developments, lots 8-12 and 14 with site areas between 0.1 ~ 0.7 hectares do not meet the Minimum Lot Sizing recommendations. Per Procedure D-5-4, where proposed development sizes are less than one hectare, the project must consider the risk to groundwater. So, the assessment is done in Step 2.

In Step 2, the proposed development may be considered as "low risk" when two criteria are demonstrated:

(1) Evaluate the most probable groundwater receiver for sewage effluent.

In the study site, eight (8) boreholes were drilled at the site property by King EPCM (O. Reg 903 License C-7691), and they were developed into monitoring wells. Based on borehole drill logs, the site stratigraphy consists of black topsoil, brown sandy clay, and sandy gravelly clay (Table 7). Boreholes #101, 103, 105, and 108 were dry, while boreholes #102, 104, 106, and 107 indicated groundwater at depths ranging from 0.9 m to 5.8 m. The most probable groundwater receiver for sewage effluent is the unconfined aquifer perched on top of the aquitard, as demonstrated by the on-site boreholes, with approx 4 m between the bottom of the septic beds and the maximum groundwater level.

Three (3) well records were found within the site property boundary, which are located at the east (Well ID # 1914561, 1916255), and north (Well ID # 1905967) and indicated a deep confined aquifer at 18.3-27.1 m (60-89 ft). These three potable drinking water wells are covered by a dense gravelly clay aquitard from 0 – 40ft, and thus potable groundwater will not be affected by on-site sewage effluents.

(2) Define the most probable lower hydraulic or physical boundary of the groundwater receiving the sewage effluent.

The most probable lower hydraulic boundary can be estimated by well ID #1905967, which is situated in the northern portion of the site, soil stratigraphy of the well consists of

- brown clay with stones (0-14 ft), containing shallow perched groundwater aquifer,
- brown gravel (14-15 ft),
- brown clay with stones (15-44 ft) and a significant aquitard, and
- potable groundwater aquifer at the bottom of brown sand (44-78 ft)

Given that septic fluids will be infiltrating into the dense clay soils from the surface and enters into the shallow perched groundwater above the aquitard, it will diffuse near surface. The most probable lower hydraulic boundary would be at 15ft below grade, due to the gravel layer. At this specific gravel layer, the hydraulic conductivity would have a very high horizontal flow with minimal vertical conductivity. Once any septic fluid plume reaches this deep gravel layer (however little), it would move horizontally within the gravel layer and transported down-gradient (eastward) and moved towards open surface watercourse. There is very low probability that the surface septic fluids would enter into the potable groundwater at 60-80ft (Well ID # 1914561, 1916255, and 1905967), and instead would be physically confined above the near-surface perched aquitard, or at worst, horizontally move at the 15ft depth gravel layer.

• **Step 3** – If lots smaller than 1.0 ha are proposed, and system isolation cannot be demonstrated a detailed examination of contaminant loading to the groundwater must be completed.

It is the Engineer's opinion that the proposed development is "low risk", as Step #2 clearly shows that the probable groundwater receiver and lower hydraulic boundary do not impact any potable groundwater or aquifers. Step #3, detailed contaminant loading, and plume estimation is not required.

13. Groundwater Discharge / Water Balance

The Site is in a TRCA Significant Groundwater Recharge Area with a score of 2 with no policies associated with this area. Further, the site is also located within the wellhead protection area Q1 and Q2 with a stress rating of moderate which means if additional water taking is required then recharge will be needed to offset any recharge loss.

Based on Duffin Creek Watershed Climate Data, precipitation is 844 mm/year, and the averaged evapotranspiration rate is 484 mm/year, which is mostly intensive agriculture, and TRCA natural heritage in hydrologic soil group B/D, 479 and 489 mm/year, respectively (Appendix V).

Pre-development site conditions have low groundwater infiltration/recharge, as the site is predominantly sandy clay soil with slopes <2 - 4% grade and therefore a small portion of the runoff flows into the downstream creek through the sheet flow. On a 24.1Ha with 1% TIMP, there is an estimated 52,059 m^3 of groundwater recharge per year. Runoff is 151mm/year = 36,464 m^3/yr.

As seen in Table 9 below, pre-development conditions are discussed in detail in Section 3. The site is within the Reesor Creek Subwatershed, part of Duffin Creek Watershed, with Sandy Clay Hydrologic Soil Group B/D, with 1% TIMP.

The proposed post-development TIMP = 192,199m^2 = 80%, and without any LID treatments, the site recharge is estimated at an equivalent of 84 mm/year for the site, or 20,283 m^3 (61% decrease as compared to pre-development).

Table 9 –Water Balance Summary

Characterstic	Site				
	Pre-Development	Post-Development	Change (Pre- to Post-)	Post-Development with Mitigation	Change (Pre- to Post- with Mitigation)
Inputs (Volumes)					
Precipitaiton (m^3/yr)	203,606	203,606	0.0%	203,606	0.0%
Run-On (m^3/yr)	0	0	0.0%	0	0.0%
Other Inputs (m^3/yr)	0	0	0.0%	0	0.0%
Total Inputs (m^3/yr)	203,606	203,606	0.0%	203,606	0.0%
Outputs (Volumes)					
Precipitation Surplus (m^3/yr)	88,523	169,052	91.0%	169,052	91.0%
Net Surplus (m^3/yr)	88,523	169,052	91.0%	169,052	91.0%
Evapotranspiratin (m^3/yr)	115,083	34,554	-70.0%	34,554	-70.0%
Infiltration (m^3/yr)	52,059	12,671	-75.7%	55,314	6.3%
Rooftop Infiltration (m^3/yr)	0	0	0.0%	31,215	0.0%
Total Infiltration (m^3/yr)	52,059	12,671	-75.7%	86,529	66.2%
Runoff Pervious Area (m^3/yr)	34,706	7,358	-78.8%	8,012	-76.9%
Runoff Impervious Area (m^3/yr)	1,758	149,023	8379.1%	74,512	4139.5%
Total Runoff (m^3/yr)	36,464	156,381	328.9%	82,523	126.3%
Total Outputs (m^3/yr)	203,606	172,415	-15.3%	203,606	0.0%

Post-development, TIMP = 192,199m^2 = 80%, with all the impermeable surfaces from a reduction of agriculture or grass fields. This causes a reduction of evapotranspiration (-56.8%), while all the precipitation within the TIMP area is managed for 50% recharge and infiltration (+54.1%). The results show that the amount of external outflow has increased compared to the pre-development state (151mm to 305mm or ΔV= +37,200 m^3).

Post-development with mitigation, the total rate of infiltration has increased from 216 to 332mm/year or 52,059m^3 to 80,207m^3 (+54.1%). Detailed calculations of water balance for each scenario are presented in Appendix XI.

14. Summary

The property is located at the Reesor Creek Subwatershed in the northwestern corner of the Duffins Creek Watershed, with a general stratigraphy consisting of brown sandy clay soil overlaid on a sandy gravelly clay layer (in BHs 102,103 and 108) and a silt layer. Groundwater is a deep unconfined sandy clay aquifer, at approximately 348-339 masl, or 18.3-27.4 m below the surface while the seasonal groundwater table was around 0.9 m below the ground at the middle portion. Eight monitoring wells were installed on the newly dug boreholes, showing that there is a shallow seasonal groundwater table on this property. Based on the in-situ permeability test, the engineer emphasizes an average unfactored infiltration rate = 42 mm/hour for the main portion of the site and an unfactored infiltration rate = 15.5 mm/hour for the eastern portion, west of the natural heritage area.

When comparing pre-development and post-development with LID mitigation measures in place, the water balance changes are +54.1% in total infiltration rate and +126.3% in total runoff rate.

Overall, it is the Engineer's opinion that the proposed construction of buildings and driveway combined with proposed LID mitigation measures does not expect to cause adverse changes to the groundwater quality or quantity.

15. Reliance & Signature

This report is the intellectual property of King EPCM and has been prepared for the sole use of 123 Highway 47 Inc. (the Client). King EPCM accepts no liability for claims arising from the use of this report, actions taken, or decisions made because of this report, by parties other than the Client. The Client may submit this report to the Township of Uxbridge, Toronto and Region Conservation Authority (TRCA), and Regional Municipality of Durham (Durham Region) regarding the Client's rural industrial development project at 123 Durham Regional Highway 47, Uxbridge, ON.

Respectfully,

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Senior Engineer – Water Resources
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Seyed Hamid Vaziri, GIT
Geologist
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Supervised and reviewed by:

Yu Tao (Tony) Wang, P. Eng.
Principal Engineer
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100228476
DEC 19, 2023
PROVINCE OF ONTARIO

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Appendix I – MECP Map: Well Records

Latitude:44.02494, Longitude:-79.24415 (UTM Zone:17, Easting:640716, Northing:4876141)

Updated: October 18, 2021

Published: March 20, 2014

Labels

WELL ID
1917328

Air Force Mavericks
All-Star Cheerleading

WELL ID
4602712
1911685
6909909
6914269
1917735
6908401

WELL ID
6906479
6909140
6918797
6928618
6909908
6909165
6915061
6923698
1917056
1907231

WELL ID
4602713
1917592
1912600
7044099
7336673
7336674
7377481
7336675

WELL ID
4604893
1918120
1918127
1918128
1909391

WELL ID
1907941
1911828
1918187
1918241
1914561
1916255
1917645
1912239

T.C. Corral

WELL ID
6908399
7350935
1917140
7314560
1909341
1909340
7355935
6929571
6928861
6929591
7345774
6925399
6930350
6930351
6930896

WELL ID
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1914493
1911495
1910882
1909452
1909453
1905967
1911687

WELL ID
7356016
1914668
1915843
4604233
4604231
1906217
1912952
7146311
7141724
6908478

WELL ID
6920326
6928858
6914906
7129778

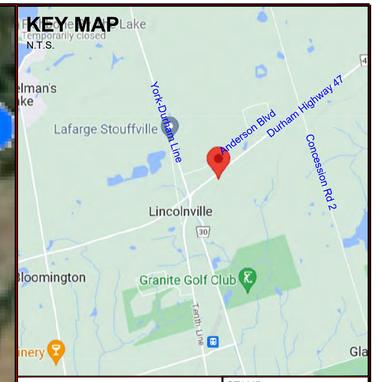
WELL ID
7184825
6909956
6922709
6928859

30
40
47

Tenth Line

SCALE 1:4000
1cm = 40m
0m 200m 400m

KEY MAP
N.T.S.



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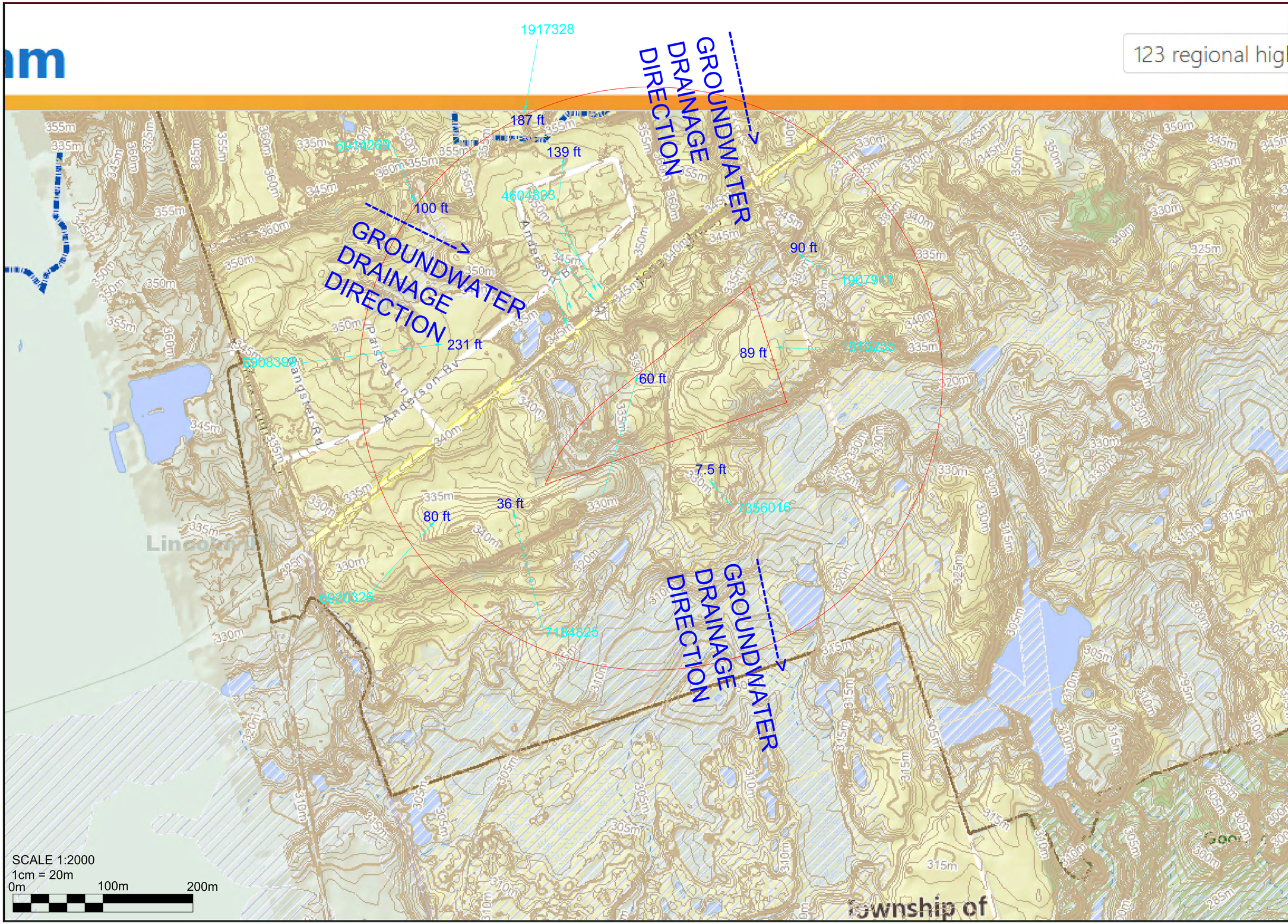
PROJECT NAME
RURAL INDUSTRIAL DEVELOPMENT

PROJECT LOCATION
**123 DURHAM REGIONAL HIGHWAY 47
TOWNSHIP OF UXBRIDGE, ON**

PRINT TITLE
MECP HISTORIC WELL RECORD SEARCH

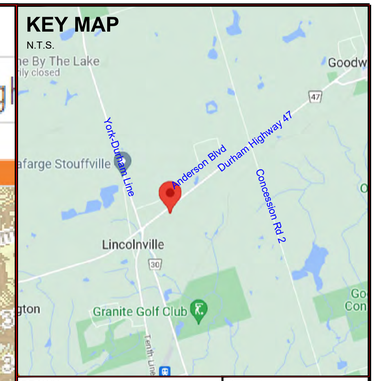
FILE No.
EGR-2.1

No.	ISSUED FOR:	DATE	DRAW BY	CHECK
V1	ISSUED FOR PERMITS	MAY 18, 2023	AS	TW



KEY MAP

N.T.S.



DRAWN: A.S.

STAMP:

DATE: MAY 19, 2023

KING EPCM

King EPCM
Unit 26, 570 Hood Road
Markham, ON, L3R 4G7
www.KingEPCM.com
647-459-5647
General@KingEPCM.com

CLIENT

123 HIGHWAY 47 INC.

PROJECT NAME

RURAL INDUSTRIAL DEVELOPMENT

PROJECT LOCATION

123 DURHAM REGIONAL HIGHWAY 47 TOWNSHIP OF UXBRIDGE, ON

PRINT TITLE

WELL RECORDS & GROUNDWATER DIRECTION

FILE No.

EGR-2.2

No.	ISSUED FOR:	DATE	DRAW BY	CHECK
V1	ISSUED FOR PERMITS	MAY 19, 2023	AS	TW

MINISTRY OF THE ENVIRONMENT

The Ontario Water Resources Act

WATER WELL RECORD

3103

Ontario

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

(11) 1905967 MUNICIP. 19012 CON. CON 01

COUNTY OR DISTRICT: Durham

TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: Uxbridge

CON., BLOCK, TRACT, SURVEY, ETC.: 1

LOT: 013

[redacted] RR3 Stouffville

DATE COMPLETED: DAY 15 MO. 09 YR. 80

UTM ZONE: 17 EASTING: 375000 RC: 5 NORTHING: 4855000 RC: 5 ELEVATION: 1100 BASIN CODE: 2A

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
Brown	clay	with stones		0	14
Brown	clay gravel			14	15
Brown	clay	with stones		15	44
Brown	sand			44	78

(31) 0014605/12 | 0015611 | 0044605/12 | 0078628

(32)

(4) WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0060	1 ☑ FRESH 3 ☐ SULPHUR; 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR; 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR; 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR; 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR; 2 ☐ SALTY 4 ☐ MINERAL

(51) CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
02 K	1 ☐ STEEL; 2 ☑ GALVANIZED; 3 ☐ CONCRETE; 4 ☐ OPEN HOLE	1/4	0	0074
	1 ☐ STEEL; 2 ☐ GALVANIZED; 3 ☐ CONCRETE; 4 ☐ OPEN HOLE			
	1 ☐ STEEL; 2 ☐ GALVANIZED; 3 ☐ CONCRETE; 4 ☐ OPEN HOLE			

SCREEN

SIZE(S) OF OPENING (SLOT NO.): 060 | DIAMETER: 00250 2 INCHES | LENGTH: 05 FEET

MATERIAL AND TYPE: stainless | DEPTH TO TOP OF SCREEN: 0073 FEET

(61) PLUGGING & SEALING RECORD

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

(71) PUMPING TEST

PUMPING TEST METHOD: 1 ☐ PUMP 2 ☑ BAILER

PUMPING RATE: 0006 GPM

DURATION OF PUMPING: 01 HOURS 15 MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 1 ☐ PUMPING 2 ☐ RECOVERY			
		15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
058 FEET	Pump FEET	how FEET	up FEET	FEET	FEET

IF FLOWING GIVE RATE: GPM

PUMP INTAKE SET AT: 72 FEET

WATER AT END OF TEST: 1 ☑ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE: ☐ SHALLOW ☑ DEEP

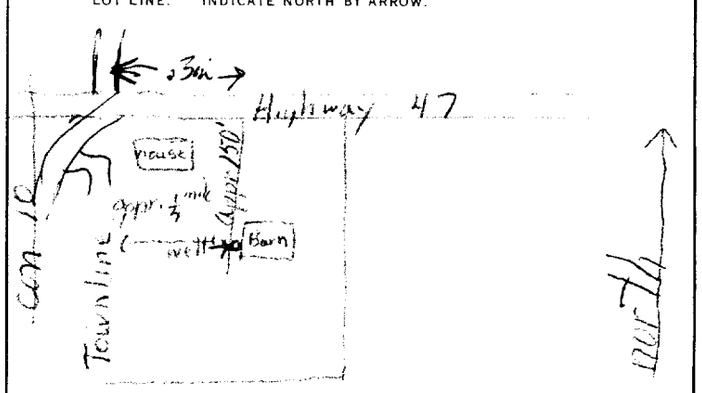
RECOMMENDED PUMP SETTING: 072 FEET

RECOMMENDED PUMPING RATE: 0006 GPM

GPM./FT. SPECIFIC CAPACITY

LOCATION OF WELL

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



DRILLERS REMARKS:

FINAL STATUS OF WELL (54): 1

1 ☑ WATER SUPPLY; 2 ☐ OBSERVATION WELL; 3 ☐ TEST HOLE; 4 ☐ RECHARGE WELL; 5 ☐ ABANDONED, INSUFFICIENT SUPPLY; 6 ☐ ABANDONED, POOR QUALITY; 7 ☐ UNFINISHED

WATER USE (55-56): 02

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

METHOD OF DRILLING (57): 1

1 ☑ CABLE TOOL; 2 ☐ ROTARY (CONVENTIONAL); 3 ☐ ROTARY (REVERSE); 4 ☐ ROTARY (AIR); 5 ☐ AIR PERCUSSION; 6 ☐ BORING; 7 ☐ DIAMOND; 8 ☐ JETTING; 9 ☐ DRIVING

CONTRACTOR

NAME OF WELL CONTRACTOR: Fockler Brothers | LICENCE NUMBER: 2218

ADDRESS: RR4 Stouffville Box 6E

NAME OF DRILLER OR BORER: David Fockler | LICENCE NUMBER: 1218

SIGNATURE OF CONTRACTOR: David Fockler | SUBMISSION DATE: DAY 17 MO. Oct YR. 80

OFFICE USE ONLY

DATA SOURCE: 1 | CONTRACTOR: 2218 | DATE RECEIVED: 090381

DATE OF INSPECTION | INSPECTOR

REMARKS: Ice early 08/2/60

P WI

MINISTRY OF THE ENVIRONMENT COPY

FORM 7 07-091

Ministry of Environment and Energy
Ontario

The Ontario Water Resources Act
WATER WELL RECORD

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

11 (1–2) **1914561**

Municipality (10–14) 19012 Con. (15–22) CON 01

County or District	Township/Borough/City/Town/Village	Con block tract survey, etc.	Lot (25–27)
MUNICIPALITY OF DURHAM	UXBRIDGE (UXVILLE INDUSTRIAL PK - LOTS 3, 4, 5 & 6)		13

Address: 49 PASSMORE AVENUE

Date completed (43–53): 19 05 00 (day / month / year)

21 (1–2) T/M (10–12) (17) Northing (18–24) RC (25) Elevation (26) RC (30) Basin Code (31–47) i ii iii iv

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)

General colour	Most common material	Other materials	General description	Depth – feet From	Depth – feet To
WELL	DECOMMISSIONING RECORD				
WELL #	ML 2-2 - 31' FEET / OVERDRILL 4¼		HSA & BENTONITE GROUT TO SURFACE		
	ML 2-3 - 14' FEET				
	OW2 - 6" - 200' FEET - FILL INSIDE (AS BELOW)				

31 (10–14, 15–21, 32–43, 54–65, 75–80)
32 (10–14, 15–21, 32–43, 54–65, 75–80)

41 WATER RECORD

Water found at – feet	Kind of water
(10–13)	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 5 ☐ Gas (14)
(15–18)	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 5 ☐ Gas (19)
(20–23)	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 5 ☐ Gas (24)
(25–28)	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 5 ☐ Gas (29)
(30–33)	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 5 ☐ Gas (34) (60)

51 CASING & OPEN HOLE RECORD

Inside diam inches	Material	Wall thickness inches	Depth – feet From	Depth – feet To
2" (11) ML 2-2	1 ☐ Steel (12) 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☑ Plastic		0	31' (13–16)
2" (17–18) ML 2-3	1 ☐ Steel (19) 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☑ Plastic		0	14' (20–23)
6" (24–25) OW2	1 ☑ Steel (26) 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic	.188 (15–16)	0	200' (27–30)

SCREEN

Sizes of opening (Slot No.) (31–33)	Diameter (34–38)	Length (39–40)
NOT KNOWN	6" inches	20' feet

Material and type	Depth at top of screen (41–44)	
UNKNOWN	200' feet	(30)

61 PLUGGING & SEALING RECORD

☐ Annular space ☐ Abandonment

Depth set at – feet From (10–13)	Depth set at – feet To (14–17)	Material and type (Cement grout, bentonite, etc.)
220	180	GRAVEL
180 (18–21)	165 (22–25)	HOLEPLUG
165 (26–29)	0 (30–33)	(80) CEMENT GROUT.

71 PUMPING TEST

Pumping test method (10)	Pumping rate (11–14)	Duration of pumping (15–18)
1 ☐ Pump 2 ☐ Bailer	GPM	..... Hours ..... Mins

Static level	Water level end of pumping	Water levels during (25)			
		1 ☐ Pumping 2 ☐ Recovery			
(19–21) feet	(22–24) feet	15 minutes (26–28) feet	30 minutes (29–31) feet	45 minutes (32–34) feet	60 minutes (35–37) feet

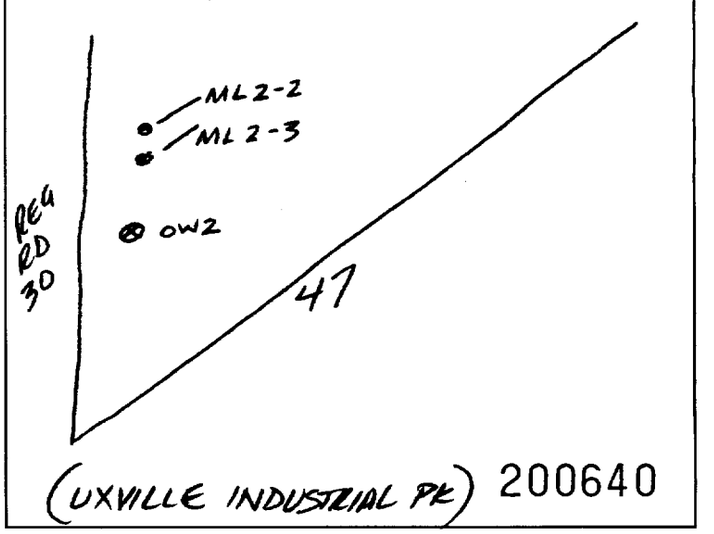
If flowing give rate (38–41)	Pump intake set at	Water at end of test (42)
GPM	feet	☐ Clear ☐ Cloudy

Recommended pump type	Recommended pump setting (43–45)	Recommended pump rate (46–49)
☐ Shallow ☐ Deep	feet	GPM

(50–53)

LOCATION OF WELL

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



(UXVILLE INDUSTRIAL PK) 200640

FINAL STATUS OF WELL (54)

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

WATER USE (55–56)

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

METHOD OF CONSTRUCTION (57)

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

AUGER

Name of Well Contractor	Well Contractor's Licence No.
LANTECH DRILLING SERV.	6809

Address: 3661 MOUNT ALBERT RD R.R.#1 SHARON, ONT

Name of Well Technician	Well Technician's Licence No.
SCOTT THOMSON	T-0519

Signature of Technician/Contractor: [signature]

Submission date: day 6 mo 6 yr 00

MINISTRY USE ONLY

Data source (58)	Contracctor (59–62)	Date received (63–68) (80)
	6809	JUN 08 2000

Date of inspection	Inspector

Remarks

CSS.ES0

2 - MINISTER OF ENVIRONMENT & ENERGY COPY

Ontario **Ministry of Environment and Energy**

The Ontario Water Resources Act
WATER WELL RECORD

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

11 **1916255**

Municipality 19012 Con. CON 01

County or District	Township/Borough/City/Town/Village	Con block tract survey, etc.	Lot
[redacted]	UXBRIDGE	1	pt.12&13

Address of Well Location: 123 Hwy. 47 Uxbridge, ON

Date completed: 26 day 11 month 02 year

21 UTM Zone | Easting | Northing | RC | Elevation | RC | Basin Code | ii | iii | iv

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)

General colour	Most common material	Other materials	General description	Depth - feet From	Depth - feet To
Brown	Sand	Clay	Layered	0	40
Brown	Sand		Medium	40	55
Brown	Sand		Medium, Clean	55	89

31

32

41 WATER RECORD

Water found at - feet	Kind of water
89	1 [X] Fresh 2 [ ] Salty 3 [ ] Sulphur 4 [ ] Minerals 6 [ ] Gas
	1 [ ] Fresh 2 [ ] Salty 3 [ ] Sulphur 4 [ ] Minerals 6 [ ] Gas
	1 [ ] Fresh 2 [ ] Salty 3 [ ] Sulphur 4 [ ] Minerals 6 [ ] Gas
	1 [ ] Fresh 2 [ ] Salty 3 [ ] Sulphur 4 [ ] Minerals 6 [ ] Gas
	1 [ ] Fresh 2 [ ] Salty 3 [ ] Sulphur 4 [ ] Minerals 6 [ ] Gas

51 CASING & OPEN HOLE RECORD

Inside diam inches	Material	Wall thickness inches	Depth - feet From	Depth - feet To
6¼	1 [X] Steel 2 [ ] Galvanized 3 [ ] Concrete 4 [ ] Open hole 5 [ ] Plastic	188	0	83
	1 [ ] Steel 2 [ ] Galvanized 3 [ ] Concrete 4 [ ] Open hole 5 [ ] Plastic			
	1 [ ] Steel 2 [ ] Galvanized 3 [ ] Concrete 4 [ ] Open hole 5 [ ] Plastic			

SCREEN

Sizes of opening (Slot No.)	Diameter	Length
14 & 10	6 inches	6 feet

Material and type: Johnson S/S

Depth at top of screen: 83 feet

61 PLUGGING & SEALING RECORD

[X] Annular space [ ] Abandonment

Depth set at - feet From	Depth set at - feet To	Material and type (Cement grout, bentonite, etc.)
79	83	K. Packer top 4'
		screen nipple
0	20	Benseal

PUMPING TEST

71 Pumping test method: 1 [ ] Pump 2 [X] Bailer — Pumping rate: 70 GPM — Duration of pumping: 1 Hours ... Mins

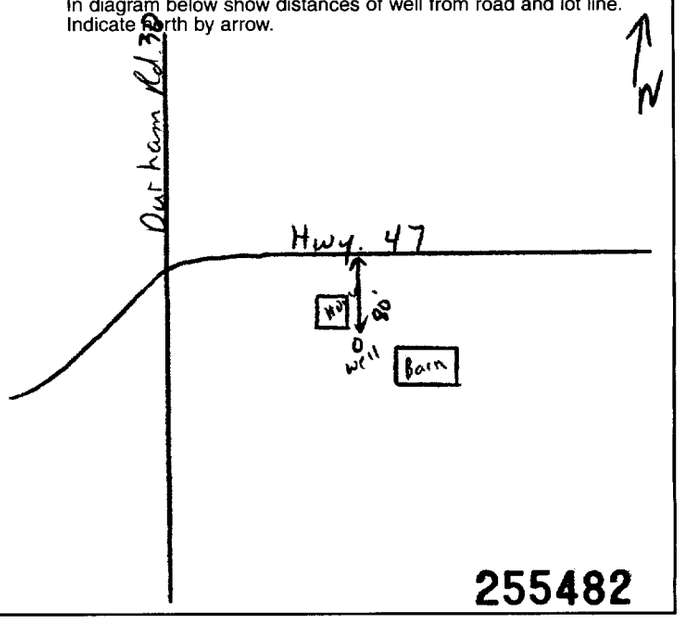
Static level	Water level end of pumping	Water levels during: 1 [X] Pumping 2 [ ] Recovery			
50 feet	75 feet	15 minutes ... feet	30 minutes ... feet	45 minutes ... feet	60 minutes 75 feet

If flowing give rate: ... GPM — Pump intake set at: 75 feet — Water at end of test: [X] Clear [ ] Cloudy

Recommended pump type: [ ] Shallow [X] Deep — Recommended pump setting: 75 feet — Recommended pump rate: 10 GPM

LOCATION OF WELL

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



255482

FINAL STATUS OF WELL

54

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

WATER USE

55-56

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

METHOD OF CONSTRUCTION

57

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

Name of Well Contractor	Well Contractor's Licence No.
Roger Boadway Ent., Ltd.	1413
Address	
Box 397 Sutton West, ON L0E 1R0	
Name of Well Technician	**Well Technician's Licence No.**
Grant Boadway	T0029
Signature of Technician/Contractor	**Submission date**
Roger Boadway	day 26 mo 11 yr 02

MINISTRY USE ONLY

Data source 58 | Contractor 1413 59-62 | Date received DEC 16 2002 63-68 | 80

Date of inspection | Inspector

Remarks: CSS.ES2

2 - MINISTRY OF ENVIRONMENT AND ENERGY COPY

0506 (06/02) Front Form 9

Ministry of the Environment
Ontario

The Ontario Water Resources Act

3103

WATER WELL RECORD

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

(11) 1906217 MUNICIP. 19012 CON. CON 01

COUNTY OR DISTRICT: Ontario
TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: Uxbridge
CON., BLOCK, TRACT, SURVEY, ETC: Con 1
LOT: 018
[redacted]
Stouffville
DATE COMPLETED: 02 09 81
UTM NORTHING: 8743 50 RC: 5 ELEVATION: 1025 RC: 5 BASIN CODE: 24

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
Brown	clay	sand		0	12
Brown	sand	stones & silty		12	29
Blue	clay	sand & silty		29	36
Brown	sand	stones & silty		36	57
Grey	sand	stones & silty		57	62
Grey	sand	stones	clean	62	84
Grey	sand	stones & silty		84	92

(31) 00126052B | 00291628 1206 | 00363052806 | 00576281206 | 00622281206 | 00842281262 | 1
(32) 00922281206

(41) WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0079	1 ✓ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL

(51) CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
06 4/4	1 ✓ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	188	0079	
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

SCREEN

SIZE(S) OF OPENING (SLOT NO.): 018
DIAMETER: 06000 INCHES
LENGTH: 03 FEET
MATERIAL AND TYPE: 55
DEPTH TO TOP OF SCREEN: 0079 FEET

61 PLUGGING & SEALING RECORD

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

(71) PUMPING TEST

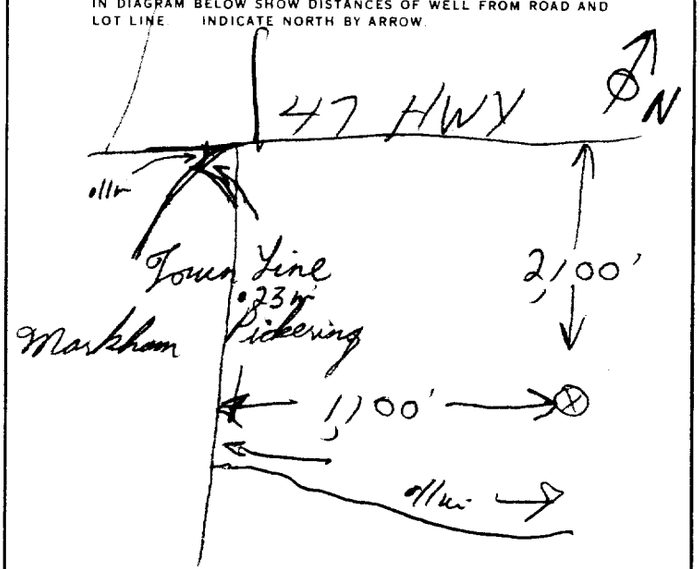
PUMPING TEST METHOD: 1 ✓ PUMP 2 ☐ BAILER — AIR
PUMPING RATE: 0010 GPM
DURATION OF PUMPING: 03 HOURS 00 MINS
WATER LEVELS DURING: 1 ✓ PUMPING 2 ☐ RECOVERY

STATIC LEVEL	WATER LEVEL END OF PUMPING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
+02 FEET	079 FEET	079 FEET	079 FEET	079 FEET	079 FEET

IF FLOWING, GIVE RATE: 0002 GPM
PUMP INTAKE SET AT: 79 FEET
WATER AT END OF TEST: 1 ✓ CLEAR 2 ☐ CLOUDY
RECOMMENDED PUMP TYPE: ☐ SHALLOW ✓ DEEP
RECOMMENDED PUMP SETTING: 070 FEET
RECOMMENDED PUMPING RATE: 0008 GPM

LOCATION OF WELL

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



DRILLERS REMARKS:

FINAL STATUS OF WELL 54: 1 ✓ WATER SUPPLY; 2 ☐ OBSERVATION WELL; 3 ☐ TEST HOLE; 4 ☐ RECHARGE WELL; 5 ☐ ABANDONED, INSUFFICIENT SUPPLY; 6 ☐ ABANDONED, POOR QUALITY; 7 ☐ UNFINISHED

WATER USE 55-56 05: 1 ☐ DOMESTIC; 2 ☐ STOCK; 3 ☐ IRRIGATION; 4 ☐ INDUSTRIAL; ☐ OTHER; 5 ✓ COMMERCIAL; 6 ☐ MUNICIPAL; 7 ☐ PUBLIC SUPPLY; 8 ☐ COOLING OR AIR CONDITIONING; 9 ☐ NOT USED

METHOD OF DRILLING 57: 2

1 ☐ CABLE TOOL; 2 ✓ ROTARY (CONVENTIONAL); 3 ☐ ROTARY (REVERSE); 4 ☐ ROTARY (AIR); 5 ☐ AIR PERCUSSION; 6 ☐ BORING; 7 ☐ DIAMOND; 8 ☐ JETTING; 9 ☐ DRIVING

CONTRACTOR

NAME OF WELL CONTRACTOR: Wilson Water Wells Ltd — LICENCE NUMBER: 5459
ADDRESS: RR 4 Stouffville Ont
NAME OF DRILLER OR BORER: Malcolm — LICENCE NUMBER:
SIGNATURE OF CONTRACTOR: William Wilson — SUBMISSION DATE: DAY ____ MO ____ YR. ____

OFFICE USE ONLY

DATA SOURCE 58: 1
CONTRACTOR 59-62: 5459
DATE RECEIVED 63-68: [illegible] 83
DATE OF INSPECTION:
INSPECTOR:
REMARKS: CSS.58
Loc only 02/11/83

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506—4—77 FORM 7

31 D/3 e

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

(11) 1907231 NUMBER 19012 CON CON 01

COUNTY OR DISTRICT [redacted] | TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE Durham Uxbridge (ex) | CON., BLOCK, TRACT, SURVEY, ETC Town Line Con 4I | LOT 014

[redacted] # 3, HWY 47, STOUFFVILLE, LOH 1L0 | DATE COMPLETED DAY 13 MO Nov YR 84

UTMS 75150 5 | ELEVATION 1100 5 | BASIN CODE 24

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
Black	loam	with stones		0	3
Brownish	clay	with stones		3	24
Brown	coarse	sand with clay		24	74
Brown	sand			74	92

JAN 06 1987

(31) 0003802 12 | 0024605 12 | 0074610 12 | 0092688

32

(41) WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0074	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL

(51) CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
02 11	1 ☐ STEEL 2 ☒ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	1/8	0	0088
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

SCREEN

SIZE(S) OF OPENING (SLOT NO.) 080 | DIAMETER 01.250 14 INCHES | LENGTH 05 FEET

MATERIAL AND TYPE Stainless | DEPTH TO TOP OF SCREEN 0087 FEET

(61) PLUGGING & SEALING RECORD

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

(71) PUMPING TEST

PUMPING TEST METHOD: 1 ☒ PUMP 2 ☐ BAILER | PUMPING RATE 0005 GPM | DURATION OF PUMPING 01 HOURS 20 MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 1 ☐ PUMPING 2 ☐ RECOVERY			
		15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
074 FEET	Direct FEET	1100 FEET	1100 FEET	up FEET	FEET

IF FLOWING, GIVE RATE: GPM | PUMP INTAKE SET AT 87 FEET | WATER AT END OF TEST: 1 ☒ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE: ☐ SHALLOW ☒ DEEP | RECOMMENDED PUMP SETTING 087 FEET | RECOMMENDED PUMPING RATE 0005 GPM

FINAL STATUS OF WELL

1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED

WATER USE

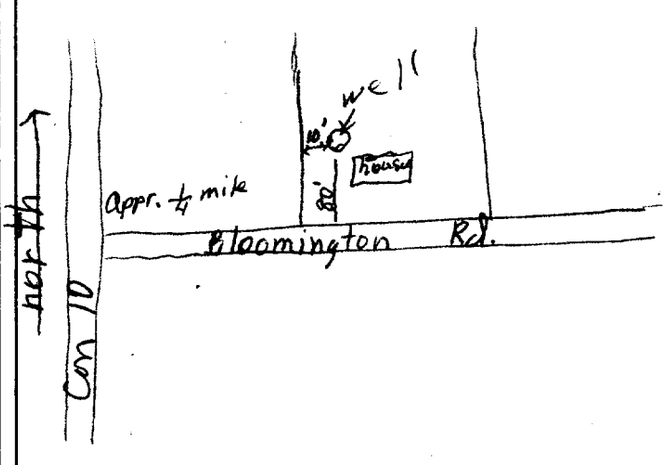
1 ☐ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED

METHOD OF DRILLING

1 ☒ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☐ ROTARY (AIR) 5 ☐ AIR PERCUSSION 6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING

002 00505 LOCATION OF WELL

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



DRILLERS REMARKS

CONTRACTOR

NAME OF WELL CONTRACTOR: Fockler Brothers | LICENCE NUMBER 2218

ADDRESS: RR 4 Stouffville

NAME OF DRILLER OR BORER: David Fockler | LICENCE NUMBER 2218

SIGNATURE OF CONTRACTOR: David Fockler | SUBMISSION DATE DAY 13 MO Nov YR 84

OFFICE USE ONLY

DATA SOURCE 1 | CONTRACTOR 2218 | WELL RECORD NO. 190385

DATE OF INSPECTION | INSPECTOR

REMARKS

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506—4—77 FORM 7

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

1907941

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON.	BLOCK, TRACT, SURVEY, ETC	LOT
[redacted]	Wybridge			13

[redacted] R.#3 ~~Hwy 159~~ Hwy 47 ~~Stouffville, Ont.~~

DATE COMPLETED: DAY 17 MO 9 YR 86

[redacted] 375459 340

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
Brown	Clay & Gravel	Fill		0	4
Brown	Stoney	Clay & Boulders		4	16
Brown	Sandy	Clay		16	48
Brown	Silt			48	56
Brown	Sand			56	63
Brown	Silt &	Fine water-bearing Sand		63	90
Brown	Sand & Gravel	water-bearing		90	96

31
32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
90-96	1 ☒ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6¼	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	.188	0	93
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
25	6 INCHES	3 FEET

MATERIAL AND TYPE: S.S.

DEPTH TO TOP OF SCREEN: 90 7" FEET

61 PLUGGING & SEALING RECORD

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

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☐ PUMP 2 ☒ BAILER	20 GPM	1 HOURS 30 MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
61 FEET	71 FEET	1 ☐ PUMPING 2 ☐ RECOVERY	FEET	FEET	FEET	FEET

IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
GPM	FEET	1 ☒ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☐ SHALLOW ☒ DEEP	89 FEET	10 GPM

LOCATION OF WELL

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

010 002 002

DRILLERS REMARKS:

FINAL STATUS OF WELL

1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED

WATER USE

1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED

METHOD OF DRILLING

1 ☒ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☐ ROTARY (AIR) 5 ☐ AIR PERCUSSION 6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING

CONTRACTOR

NAME OF WELL CONTRACTOR: Watson Water Wells — LICENCE NUMBER: 5457 T0247

ADDRESS: R.R.#2 Cameron

NAME OF DRILLER OR BORER: Garry McKnight — LICENCE NUMBER: T0238

SIGNATURE OF CONTRACTOR: Clyde Watson — SUBMISSION DATE: DAY ____ MO. ____ YR. ____

OFFICE USE ONLY

DATA SOURCE | CONTRACTOR | DATE RECEIVED: 221086

DATE OF INSPECTION | INSPECTOR

REMARKS

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Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

1. PRINT ONLY IN SPACES PROVIDED
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11 — 1909338 — MUNICIP 19012 — CON.

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC.	LOT
DURHAM	UXBRIDGE	CON 1	13

OWNER (SURNAME FIRST)	ADDRESS	DATE COMPLETED
A+S CONSTUCTION	RR#2 STOUFFVILLE	DAY 23 MO 9 YR 88

21 — UTM: ZONE — EASTING — NORTHING — RC — ELEVATION — RC — BASIN CODE — II — III — IV

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
Brown	clay	sandy		0	23
Brown	sand	stones		23	61
Brown	sand			61	87
Brown	sand	stones		87	137
Grey	clay	sandy & stony		137	143
Brown	sand			143	156
Grey	stones	sand & white clay		156	214

31

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
156	1 ☑ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6 1/8	1 ☑ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	0	189
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
30	6 INCHES	20 FEET

MATERIAL AND TYPE: 55

DEPTH TO TOP OF SCREEN: 189 FEET

61 PLUGGING & SEALING RECORD

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

71 PUMPING TEST

PUMPING TEST METHOD: 1 ☐ PUMP 2 ☐ BAILER — AIR

PUMPING RATE: 4 GPM — DURATION OF PUMPING: 30 HOURS MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 1 ☑ PUMPING 2 ☐ RECOVERY			
FEET	189 FEET	15 MINUTES: 189 FEET	30 MINUTES: 189 FEET	45 MINUTES: 189 FEET	60 MINUTES: 189 FEET

IF FLOWING GIVE RATE: GPM

PUMP INTAKE SET AT: 189 FEET

WATER AT END OF TEST: 1 ☑ CLEAR 2 ☐ CLOUDY

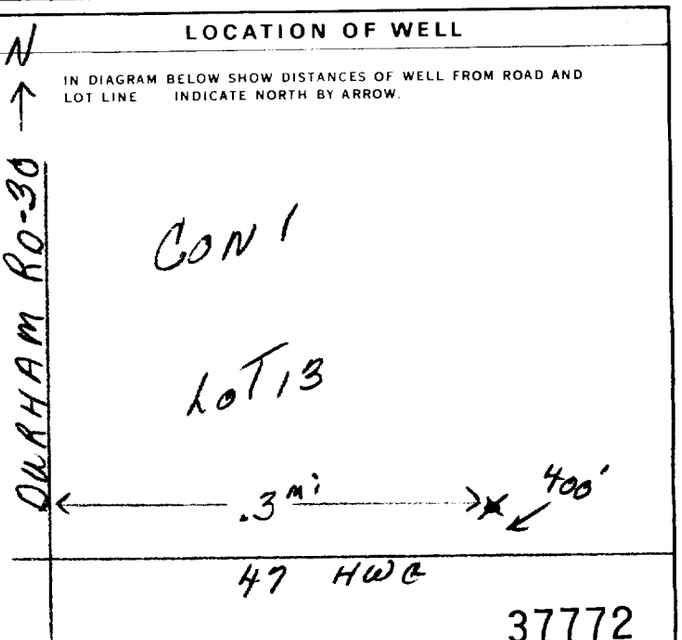
RECOMMENDED PUMP TYPE: ☐ SHALLOW ☐ DEEP

RECOMMENDED PUMP SETTING: FEET

RECOMMENDED PUMPING RATE: GPM

LOCATION OF WELL

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



37772

DRILLERS REMARKS

FINAL STATUS OF WELL

1 ☐ WATER SUPPLY 2 ☑ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED 9 ☐ DEWATERING

WATER USE

1 ☐ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☑ INDUSTRIAL ☐ OTHER 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED

METHOD OF CONSTRUCTION

1 ☐ CABLE TOOL 2 ☑ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☐ ROTARY (AIR) 5 ☐ AIR PERCUSSION 6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING ☐ DIGGING ☐ OTHER

CONTRACTOR

NAME OF WELL CONTRACTOR: Wilson Water Wells Ltd — WELL CONTRACTOR'S LICENCE NUMBER: 5459

ADDRESS: RR4 Stouffville Ont

NAME OF WELL TECHNICIAN: Paddock — WELL TECHNICIAN'S LICENCE NUMBER: 0234

SIGNATURE OF TECHNICIAN/CONTRACTOR: William Wilson — SUBMISSION DATE: DAY ____ MO. ____ YR. ____

OFFICE USE ONLY

DATA SOURCE — CONTRACTOR: 5459 — DATE RECEIVED: SEP 27 1988

DATE OF INSPECTION — INSPECTOR

REMARKS

CSS. GS

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Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

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11 — 1909340 — MUNICIP 1901 2 — CON.

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC.	LOT
Durham	Uxbridge	con 1	13

OWNER (SURNAME FIRST)	ADDRESS	DATE COMPLETED
A+S Const.	RR#2 Stouffville	DAY 14 MO 9 YR 88

21 — ZONE — EASTING — NORTHING — RC — ELEVATION — RC — BASIN CODE — I — II — III — IV

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
Brown	soil	clay		0	9
Brown	clay	sandy		9	12
Brown	sand	stones silty		12	119
Grey	clay	sandy		119	134
Grey	clay	silty		134	161
Brown	sand	stones		161	201
Grey	sand	stones		201	222

31

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
209	1 ☑ FRESH 3 ☐ SULPHUR / 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR / 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR / 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR / 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR / 2 ☐ SALTY 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6 5/8	1 ☑ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	188	0	209
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET
20	6	6

MATERIAL AND TYPE: SS — DEPTH TO TOP OF SCREEN: 209 FEET

61 PLUGGING & SEALING RECORD

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

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☐ PUMP 2 ☐ BAILER — A/R	25 GPM	4 HOURS 30 MINS

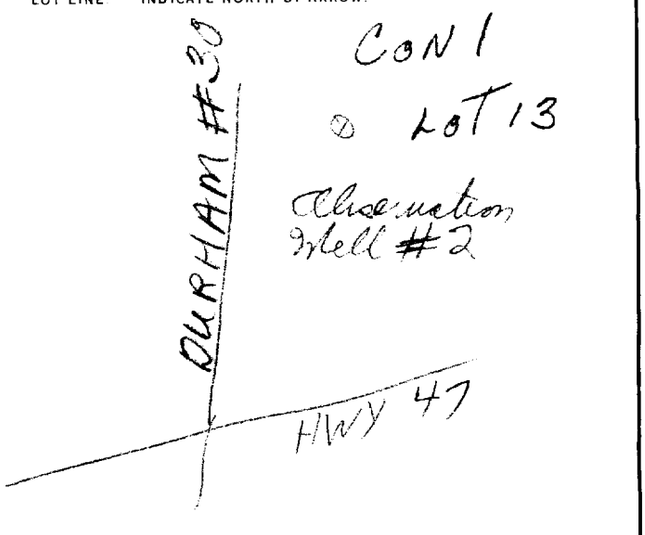
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
80 FEET	209 FEET	1 ☑ PUMPING 2 ☐ RECOVERY	209 FEET	209 FEET	209 FEET	209 FEET

IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
GPM	209 FEET	1 ☑ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☐ SHALLOW ☐ DEEP	FEET	GPM

LOCATION OF WELL

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



DRILLERS REMARKS:

FINAL STATUS OF WELL	1 ☐ WATER SUPPLY 2 ☑ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED
WATER USE	1 ☐ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 5 ☑ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED
METHOD OF DRILLING	1 ☐ CABLE TOOL 2 ☑ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☐ ROTARY (AIR) 5 ☐ AIR PERCUSSION 6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING

CONTRACTOR

NAME OF WELL CONTRACTOR	LICENCE NUMBER
Wilson Waterwells Ltd	5459
ADDRESS: RR 4 Stouffville Ont	
NAME OF DRILLER OR BORER: Wadsock	LICENCE NUMBER: 0234
SIGNATURE OF CONTRACTOR: William Wilson	SUBMISSION DATE: DAY ____ MO. ____ YR. ____

OFFICE USE ONLY

DATA SOURCE	CONTRACTOR	DATE RECEIVED
	5459	SEP 22 1988
DATE OF INSPECTION	INSPECTOR	
REMARKS		

CSS-25

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Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

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11 | 1909341 | MUNICIP 19012 | CON.

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC.	LOT
DURHAM	UXBRIDGE	CON 1	13

[redacted] RR#2 Stouffville — DATE COMPLETED: DAY 12 MO 9 YR 88

HOLE DEPTH/DIAMETER | RC | ELEVATION | RC | BASIN CODE

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
Brown	sand	silt		0	9
Brown	clay	sandy		7	12
Brown	sand	stone & silty		12	119
Grey	clay	sandy		119	134
Grey	clay	silty		134	161
Brown	sand	stone		161	201
Grey	sand	stone		201	222

31
32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
201	1 ☒ FRESH 3 ☐ SULPHUR; 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR; 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR; 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR; 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR; 2 ☐ SALTY 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6	1 ☒ STEEL; 2 ☐ GALVANIZED; 1 ☐ CONCRETE; 4 ☐ OPEN HOLE	.188	0	201
	1 ☐ STEEL; 2 ☐ GALVANIZED; 3 ☐ CONCRETE; 4 ☐ OPEN HOLE			
	1 ☐ STEEL; 2 ☐ GALVANIZED; 3 ☐ CONCRETE; 4 ☐ OPEN HOLE			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH	MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN
20	6 INCHES	20 FEET	55	201 FEET

61 PLUGGING & SEALING RECORD

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

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☐ PUMP 2 ☐ BAILER: AIR	GPM	7 HOURS 30 MINS

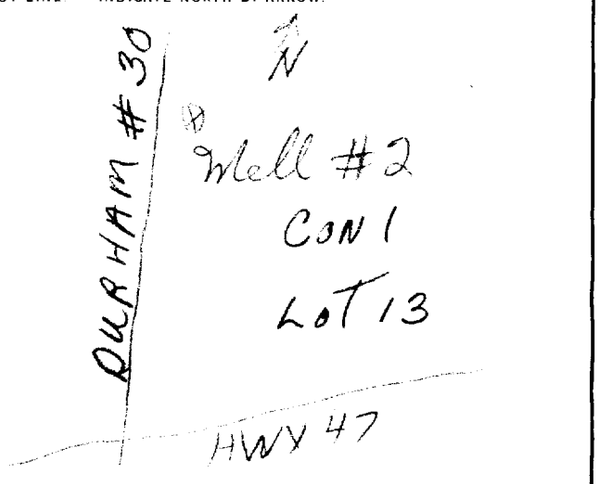
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 1 ☑ PUMPING 2 ☐ RECOVERY			
		15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
80 FEET	201 FEET	201 FEET	201 FEET	201 FEET	201 FEET

IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
GPM	201 FEET	1 ☑ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☐ SHALLOW ☑ DEEP	180 FEET	GPM

LOCATION OF WELL

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



DRILLERS REMARKS:

FINAL STATUS OF WELL

1 ☑ WATER SUPPLY; 2 ☑ OBSERVATION WELL; 3 ☑ TEST HOLE; 4 ☐ RECHARGE WELL; 5 ☐ ABANDONED, INSUFFICIENT SUPPLY; 6 ☐ ABANDONED, POOR QUALITY; 7 ☐ UNFINISHED

WATER USE

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

METHOD OF DRILLING

1 ☐ CABLE TOOL; 2 ☑ ROTARY (CONVENTIONAL); 3 ☐ ROTARY (REVERSE); 4 ☐ ROTARY (AIR); 5 ☐ AIR PERCUSSION; 6 ☐ BORING; 7 ☐ DIAMOND; 8 ☐ JETTING; 9 ☐ DRIVING

CONTRACTOR

NAME OF WELL CONTRACTOR	LICENCE NUMBER
Wilson Lake Wells Ltd	5459
ADDRESS: RR4 Stouffville Ont	
NAME OF DRILLER OR BORER: D Baldock	LICENCE NUMBER: 0234
SIGNATURE OF CONTRACTOR: William Wilson	SUBMISSION DATE: DAY ____ MO. ____ YR. ____

OFFICE USE ONLY

DATA SOURCE	CONTRACTOR	DATE RECEIVED
	5459	SEP 22 1988

DATE OF INSPECTION | INSPECTOR

REMARKS: CSS-GS

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Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 | 1909391 | MUNICIP 19012 | CON.

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON. BLOCK, TRACT, SURVEY, ETC	LOT
DURHAM	UXBRIDGE	CON 1	13
[redacted]	STOUFFVILLE	DATE COMPLETED DAY 29 MO 9 YR 88	

RC | ELEVATION | RC | BASIN CODE

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
Brown	sand	stones		0	11
Brown	clay	sandy		11	22
Brown	sand	stones		22	53
Brown	clay	sandy		53	81
Brown	sand	silty		81	84
Grey	stones	white clay		84	88
Brown	sand			88	101
Grey	clay	sand & stones		101	156
Grey	stones	white clay		156	166
Grey	clay	sandy		166	187
Grey	clay	silty		187	198
Grey	clay	sand & stones		198	225
Grey	stones	white clay		225	231
Grey	clay	stones		231	242
Grey	clay	silty		242	276

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
10-13	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
15-18	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
20-23	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
25-28	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
30-33	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
10-11	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			13-16
17-18	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			20-23
24-25	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			27-30

SCREEN

SIZE(S) OF OPENING (SLOT NO.) 31-33	DIAMETER 34-38 INCHES	LENGTH 39-40 FEET
MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN 41-44 FEET	80

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER, ETC.)
10-13	14-17	
18-21	22-25	
26-29	30-33	80

71 PUMPING TEST

PUMPING TEST METHOD 10 (1 ☐ PUMP 2 ☐ BAILER)	PUMPING RATE 11-14 GPM	DURATION OF PUMPING 15-16 HOURS 17-18 MINS

STATIC LEVEL 19-21 FEET	WATER LEVEL END OF PUMPING 22-24 FEET	25 WATER LEVELS DURING (1 ☐ PUMPING 2 ☐ RECOVERY)	15 MINUTES 26-28 FEET	30 MINUTES 29-31 FEET	45 MINUTES 32-34 FEET	60 MINUTES 35-37 FEET

IF FLOWING, GIVE RATE 38-41 GPM	PUMP INTAKE SET AT FEET	WATER AT END OF TEST 42 (1 ☐ CLEAR 2 ☐ CLOUDY)

RECOMMENDED PUMP TYPE (☐ SHALLOW ☐ DEEP)	RECOMMENDED PUMP SETTING 43-45 FEET	RECOMMENDED PUMPING RATE 46-49 GPM

50-53

FINAL STATUS OF WELL (34)

1 ☐ WATER SUPPLY; 2 ☐ OBSERVATION WELL; 3 ☐ TEST HOLE; 4 ☐ RECHARGE WELL; 5 ☐ ABANDONED, INSUFFICIENT SUPPLY; 6 ☐ ABANDONED, POOR QUALITY; 7 ☐ UNFINISHED; 9 ☐ DEWATERING

WATER USE (55-56)

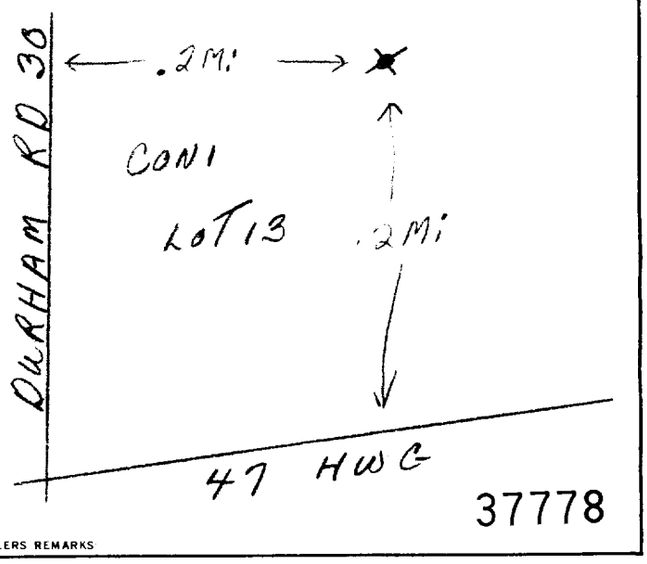
1 ☐ DOMESTIC; 2 ☐ STOCK; 3 ☐ IRRIGATION; 4 ☐ INDUSTRIAL; ☐ OTHER; 5 ☐ COMMERCIAL; 6 ☐ MUNICIPAL; 7 ☐ PUBLIC SUPPLY; 8 ☐ COOLING OR AIR CONDITIONING; 9 ☐ NOT USED

METHOD OF CONSTRUCTION (57)

1 ☐ CABLE TOOL; 2 ☒ ROTARY (CONVENTIONAL); 3 ☐ ROTARY (REVERSE); 4 ☐ ROTARY (AIR); 5 ☐ AIR PERCUSSION; 6 ☐ BORING; 7 ☐ DIAMOND; 8 ☐ JETTING; 9 ☐ DRIVING; ☐ DIGGING; ☐ OTHER

LOCATION OF WELL

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



37778

DRILLERS REMARKS

CONTRACTOR

NAME OF WELL CONTRACTOR: Wm Madson Water Wells — WELL CONTRACTOR'S LICENCE NUMBER: 5459
ADDRESS: RR 4 Stouffville Ont
NAME OF WELL TECHNICIAN: E Madcock — WELL TECHNICIAN'S LICENCE NUMBER: 0234
SIGNATURE OF TECHNICIAN/CONTRACTOR: William Wilson — SUBMISSION DATE: DAY ____ MO. ____ YR. ____

OFFICE USE ONLY

DATA SOURCE 58 | CONTRACTOR 59-62: 5459 | DATE RECEIVED 63-68: OCT 24 1988 | 80
DATE OF INSPECTION | INSPECTOR
REMARKS

CSS: GS

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FORM NO. 0506 (11/86) FORM 9

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

Observation # 1

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 — 1909452 — MUNICIP 1,9,0,1,2 — CON.

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC.	LOT
DURHAM	UXBRIDGE	CON I	13

OWNER (SURNAME FIRST)	ADDRESS	DATE COMPLETED
454790 Ont. Ltd.	STOUFFVILLE	DAY 4 MO 11 YR 88

21 — ZONE — EASTING — NORTHING — RC — ELEVATION — RC — BASIN CODE

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
Brown	sand	stones & clay		0	23
Brown	sand	stones		23	61
Brown	sand	stones & rocks		61	137
Grey	clay	stones		137	156
Grey	stones	sand & white clay		156	214

31

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
196	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
2"	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC		0	196
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
25	2 INCHES	8 FEET

MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN
SS	196 FEET

61 PLUGGING & SEALING RECORD

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

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☐ PUMP 2 ☐ BAILER AIR	10 GPM	1 HOURS ___ MINS

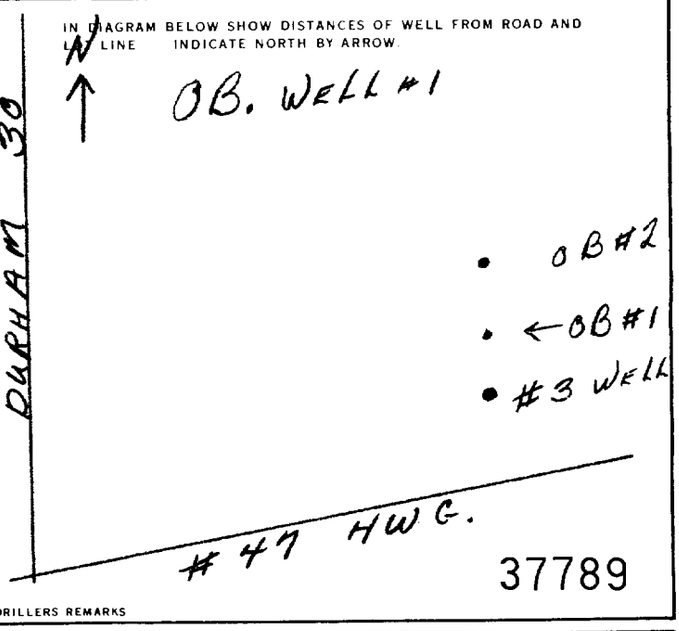
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
FEET	196 FEET	1 ☐ PUMPING 2 ☐ RECOVERY	FEET	FEET	FEET	FEET

IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
GPM	FEET	1 ☐ CLEAR 8 ☐ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☐ SHALLOW ☐ DEEP	FEET	GPM

LOCATION OF WELL

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



37789

DRILLERS REMARKS

FINAL STATUS OF WELL	WATER USE	METHOD OF CONSTRUCTION
1 ☐ WATER SUPPLY	1 ☐ DOMESTIC	1 ☐ CABLE TOOL
2 ☒ OBSERVATION WELL	2 ☐ STOCK	2 ☒ ROTARY (CONVENTIONAL)
3 ☐ TEST HOLE	3 ☐ IRRIGATION	3 ☐ ROTARY (REVERSE)
4 ☐ RECHARGE WELL	4 ☐ INDUSTRIAL	4 ☐ ROTARY (AIR)
8 ☐ ABANDONED, INSUFFICIENT SUPPLY	5 ☐ COMMERCIAL	5 ☐ AIR PERCUSSION
6 ☐ ABANDONED POOR QUALITY	6 ☐ MUNICIPAL	6 ☐ BORING
7 ☐ UNFINISHED	7 ☐ PUBLIC SUPPLY	7 ☐ DIAMOND
9 ☐ DEWATERING	8 ☐ COOLING OR AIR CONDITIONING	8 ☐ JETTING
	9 ☒ NOT USED	9 ☐ DRIVING
	☐ OTHER	☐ DIGGING ☐ OTHER

CONTRACTOR

NAME OF WELL CONTRACTOR	WELL CONTRACTOR'S LICENCE NUMBER
Wilson's Water Wells Limited	5459

ADDRESS: R. R. # 4 Stouffville, Ontario L4A 7X5

NAME OF WELL TECHNICIAN	WELL TECHNICIAN'S LICENCE NUMBER
Wadcock	0257

SIGNATURE OF TECHNICIAN/CONTRACTOR	SUBMISSION DATE
William Wilson	DAY ___ MO ___ YR ___

OFFICE USE ONLY

DATA SOURCE	CONTRACTOR	DATE RECEIVED
	5459	NOV 16 1988

DATE OF INSPECTION | INSPECTOR

REMARKS

CSS. ES

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Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

Observation #2

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 — 1909453 — MUNICIP 1,9,0,1,2 — CON.

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON. BLOCK, TRACT, SURVEY, ETC	LOT
DURHAM.	UXBRIDGE	CON I	13

OWNER (SURNAME FIRST)	ADDRESS	DATE COMPLETED
454790 Ont Ltd.	STOUFFVILLE	DAY 8 MO 11 YR 88

21 — UTM ZONE — EASTING — NORTHING — RC — ELEVATION — BC — BASIN CODE

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
Brown	sand	stones & clay		0	19
Brown	sand	stones		19	57
Brown	sand	rocks & stones		57	129
Grey	clay	stones		129	152
Grey	stones	sand & white clay		152	215

31

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
196	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
2	1 ☑ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC		0	196
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
25	2 INCHES	8 FEET

MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN
55	196 FEET

61 PLUGGING & SEALING RECORD

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

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☐ PUMP 2 ☑ BAILER AIR	10 GPM	1 HOURS ___ MINS

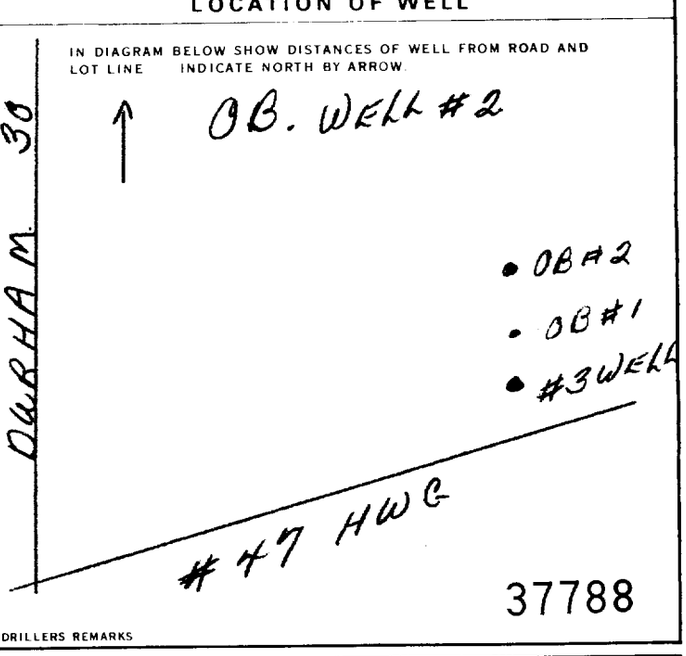
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING 1 ☐ PUMPING 2 ☐ RECOVERY	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
FEET	196 FEET		FEET	FEET	FEET	FEET

IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
GPM	FEET	1 ☐ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☐ SHALLOW ☐ DEEP	FEET	GPM

LOCATION OF WELL

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



37788

DRILLERS REMARKS

FINAL STATUS OF WELL	WATER USE	METHOD OF CONSTRUCTION
1 ☐ WATER SUPPLY	1 ☐ DOMESTIC	1 ☐ CABLE TOOL
2 ☑ OBSERVATION WELL	2 ☐ STOCK	2 ☑ ROTARY (CONVENTIONAL)
3 ☐ TEST HOLE	3 ☐ IRRIGATION	3 ☐ ROTARY (REVERSE)
4 ☐ RECHARGE WELL	4 ☐ INDUSTRIAL	4 ☐ ROTARY (AIR)
5 ☐ ABANDONED, INSUFFICIENT SUPPLY	☐ OTHER	5 ☐ AIR PERCUSSION
6 ☐ ABANDONED, POOR QUALITY	5 ☐ COMMERCIAL	6 ☐ BORING
7 ☐ UNFINISHED	6 ☐ MUNICIPAL	7 ☐ DIAMOND
9 ☐ DEWATERING	7 ☐ PUBLIC SUPPLY	8 ☐ JETTING
	8 ☐ COOLING OR AIR CONDITIONING	9 ☐ DRIVING
	9 ☑ NOT USED	☐ DIGGING ☐ OTHER

CONTRACTOR

NAME OF WELL CONTRACTOR	WELL CONTRACTOR'S LICENCE NUMBER
Wilson's Water Wells Limited	5459

ADDRESS	
R. R. # 4 Stouffville, Ontario L4A 7X5	

NAME OF WELL TECHNICIAN	WELL TECHNICIAN'S LICENCE NUMBER
J. Sadrook	0254

SIGNATURE OF TECHNICIAN/CONTRACTOR	SUBMISSION DATE
William Wilson	DAY ___ MO ___ YR ___

OFFICE USE ONLY

DATA SOURCE	CONTRACTOR	DATE RECEIVED
	5459	NOV 16 1988

DATE OF INSPECTION	INSPECTOR

REMARKS

CCS. ES

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FORM NO. 0506 (11/86) FORM 9

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

1. PRINT ONLY IN SPACES PROVIDED
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11 (1 2) — 1910882 — MUNICIP. 19012 (10 14) — CON. CON. 91 (15 22 23 24)

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON. BLOCK, TRACT, SURVEY, ETC	LOT (25-27)
Durham	Uxbridge	con. 1	13

OWNER (SURNAME FIRST) (28-47)	ADDRESS	DATE COMPLETED (48-53)
454790 Ontario Ltd.	R.R.#2, Stouffville, Ontario	DAY 01 MO 08 YR. 90

21 (1 2) — UTM: ZONE (10) — EASTING (12-17) — NORTHING (18-24) — RC (25) — ELEVATION (26-29) — RC (30) — BASIN CODE (31-47) — II III IV

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
Brown	Top soil			0	1
Brown	Clay			1	10
Gray	Clay	stones		10	33
Gray	Gravel	silty		33	44
Gray	Silty Sand	stones		44	112
Gray	Gravel			112	118
Gray	Clay	stones, silt, gravel		118	182
Gray	Sand stones			182	192
Gray	Gravel			192	197
		Finished depth 197 ft.			

31 (1 2) — 32 (10 14 15 21 32 43 54 65 75 80)

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
170-195½ UNTESTED	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
10	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.250	+ 2	169½
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.) (31-33)	DIAMETER (34-38)	LENGTH (39-40)
13' #25, 12' #50	10 INCHES	25 FEET
MATERIAL AND TYPE: S.S.	DEPTH TO TOP OF SCREEN (41-44): 166 11" FEET	

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER ETC.)
35	30	Hole Plug
30	2	Neat cement
2	1	Clay fill

71 PUMPING TEST

PUMPING TEST METHOD (10)	PUMPING RATE (11-14)	DURATION OF PUMPING (15-16 HOURS, 17-18 MINS)
1 ☒ PUMP 2 ☐ BAILER	535 GPM	72 HOURS

STATIC LEVEL (19-21)	WATER LEVEL END OF PUMPING (22-24)	WATER LEVELS DURING (25)	15 MINUTES (26-28)	30 MINUTES (29-31)	45 MINUTES (32-34)	60 MINUTES (35-37)
69.30 FEET	118.50 FEET	1 ☒ PUMPING 2 ☐ RECOVERY	111.14 FEET	111.30 FEET	111.60 FEET	111.72 FEET

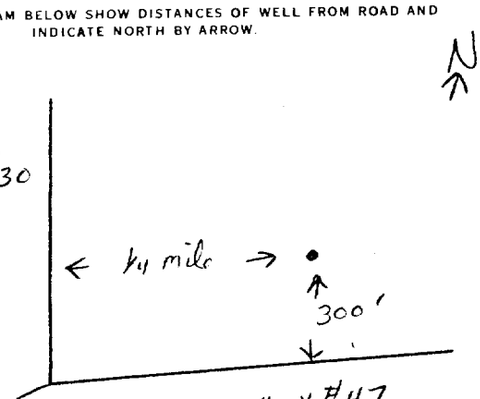
IF FLOWING, GIVE RATE (38-41)	PUMP INTAKE SET AT	WATER AT END OF TEST (42)
GPM	154 FEET	1 ☒ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING (43-45)	RECOMMENDED PUMPING RATE (46-49)
☐ SHALLOW ☒ DEEP	154 FEET	GPM

(50-53)

LOCATION OF WELL

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



DRILLERS REMARKS: See Test Well #1, on Record #87096

87163

FINAL STATUS OF WELL (54)

1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED ☐ DEWATERING

WATER USE (55-56)

1 ☐ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☒ INDUSTRIAL ☐ OTHER 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED

METHOD OF CONSTRUCTION (57)

1 ☐ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☒ ROTARY (AIR) 5 ☐ AIR PERCUSSION 6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING ☐ DIGGING ☐ OTHER

CONTRACTOR

NAME OF WELL CONTRACTOR: G. Hart & Sons Well Drilling Ltd.
WELL CONTRACTOR'S LICENCE NUMBER: 2662
ADDRESS: Box 850, R.R.#1, Fenelon Falls, Ontario
NAME OF WELL TECHNICIAN: Charlie Duggan
WELL TECHNICIAN'S LICENCE NUMBER:
SIGNATURE OF TECHNICIAN/CONTRACTOR: Charlie Duggan
SUBMISSION DATE: DAY ____ MO ____ YR. ____

OFFICE USE ONLY

DATA SOURCE (58) — CONTRACTOR (59-62): 2662 — DATE RECEIVED (63-68): NOV 30 1990 — (80)
DATE OF INSPECTION — INSPECTOR
REMARKS
CSS.GS

FORM NO. 0506 (11/86) FORM 9

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Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

1911493

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11

MUNICIP 19012 CON. CON 01

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC	LOT
Durham	Uxbridge (TW#2)	con. 1	13

OWNER (SURNAME FIRST)	ADDRESS	DATE COMPLETED
454790 Ontario Ltd.	R.R.#2, Stouffville, Ontario	DAY 20 MO 07 YR 90

21 ZONE EASTING NORTHING RC ELEVATION RC BASIN CODE I II III IV

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
Brown	Clay	Stones & Boulders		0	31
Brown	Gravel			31	44
Brown	Sand	Stones		44	84
Brown	Gravel		Dry	84	160
Brown	Gravel		Water Bearing	160	184
Brown	Gravel		Water Bearing cloudy	184	194
Gray	Clay stones			194	198
Gray	Gravel silty		Water Bearing	198	204
Gray	Clay Silt	Stones		204	224
Gray	Clay	Stones		224	225

31

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
10-13	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
15-18	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
20-23	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
25-28	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
30-33	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
10-11	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	12		13-16
17-18	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	19		20-23
24-25	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	26		27-30

SCREEN

SIZE(S) OF OPENING (SLOT NO.) 31-33	DIAMETER 34-38 INCHES	LENGTH 39-40 FEET
MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN 41-44 FEET	50

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER, ETC.)
10-13	14-17	
18-21	22-25	
26-29	30-33	80

71 PUMPING TEST

PUMPING TEST METHOD 10 (1 ☐ PUMP 2 ☐ BAILER)	PUMPING RATE 11-14 GPM	DURATION OF PUMPING 15-16 HOURS 17-18 MINS

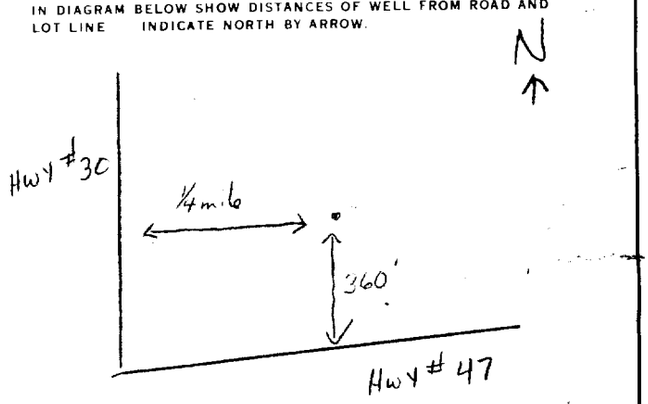
STATIC LEVEL	WATER LEVEL END OF PUMPING	25 WATER LEVELS DURING (1 ☐ PUMPING 2 ☐ RECOVERY)			
		15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
19-21 FEET	22-24 FEET	26-28 FEET	29-31 FEET	32-34 FEET	35-37 FEET

IF FLOWING, GIVE RATE 38-41 GPM	PUMP INTAKE SET AT FEET	WATER AT END OF TEST 42 (1 ☐ CLEAR 2 ☐ CLOUDY)
RECOMMENDED PUMP TYPE (☐ SHALLOW ☐ DEEP)	RECOMMENDED PUMP SETTING 43-45 FEET	RECOMMENDED PUMPING RATE 46-49 GPM

50-53

LOCATION OF WELL

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



87121

DRILLERS REMARKS

FINAL STATUS OF WELL 54

1 ☐ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☒ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED ☐ DEWATERING

WATER USE 55-56

1 ☐ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☒ INDUSTRIAL ☐ OTHER 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED

METHOD OF CONSTRUCTION 57

1 ☐ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☒ ROTARY (AIR) 5 ☐ AIR PERCUSSION 6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING ☐ DIGGING ☐ OTHER

CONTRACTOR

NAME OF WELL CONTRACTOR: G. Hart & Sons Well Drilling Ltd.
WELL CONTRACTOR'S LICENCE NUMBER: 2662
ADDRESS: Box 850, R.R.#1, Fenelon Falls, Ontario
NAME OF WELL TECHNICIAN: Charlie Duggan
WELL TECHNICIAN'S LICENCE NUMBER:
SIGNATURE OF TECHNICIAN/CONTRACTOR:
SUBMISSION DATE: DAY ____ MO. ____ YR. ____

OFFICE USE ONLY

DATA SOURCE 58
CONTRACTOR 59-62: 2662
DATE RECEIVED 63-68: JUL 06 1992
DATE OF INSPECTION
INSPECTOR
REMARKS

CSS.ES

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 — 1911495 — MUNICIP. 1901 2 — CON. CON 01

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC.	LOT
Durham	Uxbridge	con.1	13

OWNER (SURNAME FIRST)	ADDRESS	DATE COMPLETED
454790 Ontario Ltd.	R.R.#2, Stouffville, Ontario	DAY 24 MO 09 YR 91

21 — ZONE — EASTING — NORTHING — RC — ELEVATION — RC — BASIN CODE

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
Brown	Clay	Stones & Boulders		0	31
Brown	Gravel			31	44
Brown	Sand	Stones		44	84
Brown	Gravel			84	160
Brown	Gravel		water bearing	160	184
Brown	Gravel			184	194
Gray	Clay Stones			194	198
Gray	Gravel Silty			198	200
		* Production Well			

31

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
153	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 5 ☐ GAS — UNTESTED
200	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 5 ☐ GAS — UNTESTED
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
20	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.250	+ 1	152
12	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.250	+ 2	152
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
32	12 INCHES	47 FEET

MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN
S.S.	153 FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	TO	MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER, ETC.)
0	150	Cement Grout

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☒ PUMP 2 ☐ BAILER	722 GPM	24 HOURS ____ MINS

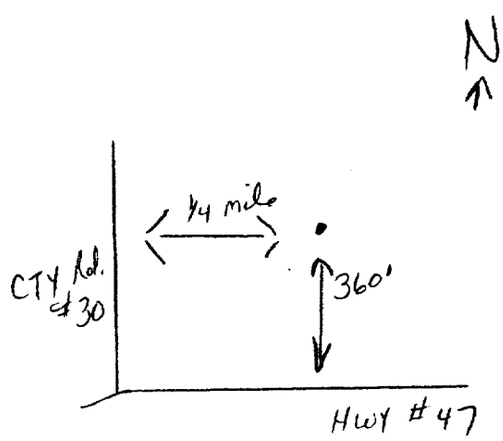
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
69.30 FEET	134.48 FEET	1 ☒ PUMPING 2 ☐ RECOVERY	131.06 FEET	131.58 FEET	132.28 FEET	132.28 FEET

IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
GPM	141.30 FEET	1 ☒ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☐ SHALLOW ☒ DEEP	141.30 FEET	722 GPM

LOCATION OF WELL

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



*See Well Record#87121 TW2

DRILLERS REMARKS

116920

FINAL STATUS OF WELL	1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED POOR QUALITY 7 ☐ UNFINISHED ☐ DEWATERING
WATER USE	1 ☐ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☒ INDUSTRIAL ☐ OTHER 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED
METHOD OF CONSTRUCTION	1 ☐ CABLE TOOL 2 ☒ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☐ ROTARY (AIR) 5 ☐ AIR PERCUSSION 6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING ☐ DIGGING ☐ OTHER

CONTRACTOR

NAME OF WELL CONTRACTOR	WELL CONTRACTOR'S LICENCE NUMBER
G. Hart & Sons Well Drilling Ltd.	2662

ADDRESS: Box#850, R.R.#1, Fenelon Falls, Ontario

NAME OF WELL TECHNICIAN	WELL TECHNICIAN'S LICENCE NUMBER
Cecil Johnston	T-0275

SIGNATURE OF TECHNICIAN/CONTRACTOR: Claude Hart — SUBMISSION DATE: DAY ____ MO ____ YR ____

OFFICE USE ONLY

DATA SOURCE	CONTRACTOR	DATE RECEIVED
	2662	JUL 06 1992

DATE OF INSPECTION ____ INSPECTOR ____

REMARKS: CSS: GS

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FORM NO. 0506 (11/86) FORM 9

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 — 1911685 — MUNICIP 19012 — CON. CON 01

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON. BLOCK, TRACT, SURVEY, ETC	LOT
DURHAM REGION	UXBRIDGE TWP.	CON.1	PT.15

OWNER (SURNAME FIRST)	ADDRESS	DATE COMPLETED
787308 ONT. LTD.	R.~~R.#3 STOUFFVILLE~~ 3889 Reg Rd 30.	DAY 15 MO 2 YR 93

21 — UTM ZONE 17 — EASTING 640960 — NORTHING 4875553 — RC — ELEVATION 346 — RC — BASIN CODE

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
BROWN	CLAY	SAND	SOFT	0	23
BROWN	SAND		LOOSE	23	28
BROWN	SAND	CLAY	PACKED	28	55
BROWN	SAND		LOOSE-FINE	55	88
BROWN	GRAVEL		LOOSE	88	97
BROWN	SAND	CLAY		97	110
BROWN	SAND		MED. LOOSE	110	118
		010 002 011			

31

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
88-97, 110-118	1 ☐ FRESH 2 ☒ SALTY — 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY — 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY — 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY — 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY — 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6¼	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	0	95
5		.188	92	115
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
#16	6 INCHES	3 FEET

MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN
STAINLESS STEEL	91 5 FEET

61 PLUGGING & SEALING RECORD

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

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☐ PUMP 2 ☐ BAILER — AIR	20 GPM	1 HOURS 15 MINS

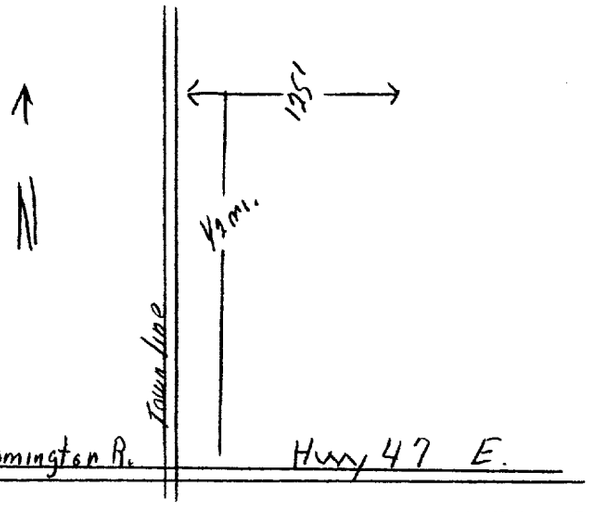
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
90 FEET	90 FEET	1 ☒ PUMPING 2 ☐ RECOVERY	117 FEET	FEET	FEET	117 FEET

IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
GPM	118 FEET	1 ☒ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☐ SHALLOW ☒ DEEP	110 FEET	0-20 GPM

LOCATION OF WELL

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



DRILLERS REMARKS: 121708

FINAL STATUS OF WELL

1 ☒ WATER SUPPLY; 2 ☐ OBSERVATION WELL; 3 ☐ TEST HOLE; 4 ☐ RECHARGE WELL; 5 ☐ ABANDONED, INSUFFICIENT SUPPLY; 6 ☐ ABANDONED, POOR QUALITY; 7 ☐ UNFINISHED; ☐ DEWATERING

WATER USE

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

METHOD OF CONSTRUCTION

1 ☐ CABLE TOOL; 2 ☒ ROTARY (CONVENTIONAL); 3 ☐ ROTARY (REVERSE); 4 ☐ ROTARY (AIR); 5 ☐ AIR PERCUSSION; 6 ☐ BORING; 7 ☐ DIAMOND; 8 ☐ JETTING; 9 ☐ DRIVING; ☐ DIGGING; ☐ OTHER

CONTRACTOR

NAME OF WELL CONTRACTOR	WELL CONTRACTOR'S LICENCE NUMBER
E.S. WELL DRILLING	4738

ADDRESS: GOODWOOD ONT.

NAME OF WELL TECHNICIAN	WELL TECHNICIAN'S LICENCE NUMBER
EARL SAUDER	T-0016

SIGNATURE OF TECHNICIAN/CONTRACTOR: Earl Sauder — SUBMISSION DATE: DAY 16 MO 2 YR 93

OFFICE USE ONLY

DATA SOURCE	CONTRACTOR	DATE RECEIVED
	4738	MAR 26 1993

DATE OF INSPECTION: — INSPECTOR: —

REMARKS:

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Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 1911828 MUNICIP 19012 CON. CON 10

COUNTY OR DISTRICT: DURHAM
TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: UXBRIDGE (Uxbridge)
CON, BLOCK, TRACT, SURVEY, ETC: CON 1
LOT: PART 14
DATE COMPLETED: DAY 11 MO 8 YR 93
[redacted] HWY 47 GOODWOOD
RC. ELEVATION RC. BASIN CODE II III IV

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
BROWN	CLAY	SAND	PACKED	0	18
BROWN	CLAY	STONES	HARD	18	39
BROWN	CLAY	SAND	HARD	39	58
BROWN	SAND	CLAY	DRY	58	62
BROWN	CLAY	GRAVEL	HARD	62	93
GRAY	SAND	SILT	CEMENTED	93	106

31
32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
93/106	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
5"	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188"	+6	96
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
10	5" INCHES	8 FEET

MATERIAL AND TYPE: JOHNSON SUPER STAINLESS
DEPTH TO TOP OF SCREEN: 97 FEET

61 PLUGGING & SEALING RECORD

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

71 PUMPING TEST

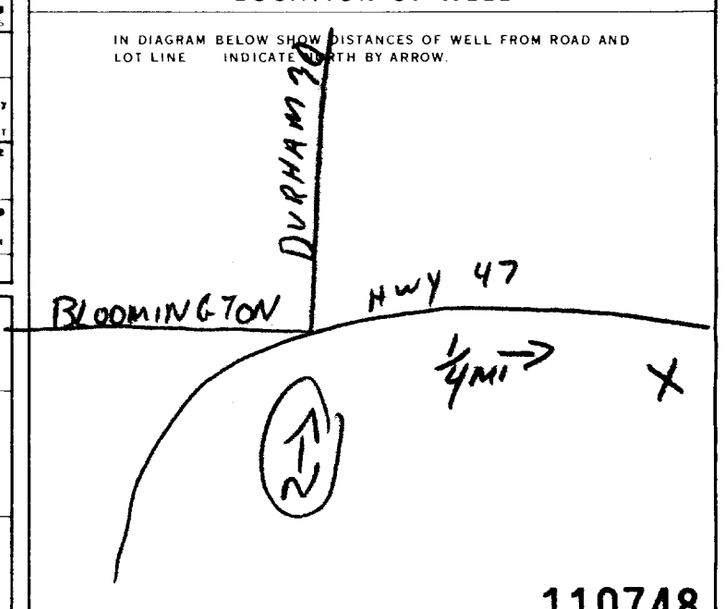
PUMPING TEST METHOD: 1 ☐ PUMP 2 ☒ BAILER
PUMPING RATE: 5 GPM
DURATION OF PUMPING: 2 HOURS 25 MINS
WATER LEVELS DURING: 1 ☒ PUMPING 2 ☐ RECOVERY

STATIC LEVEL	WATER LEVEL END OF PUMPING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
70 FEET	90 FEET	90 FEET	90 FEET	90 FEET	90 FEET

IF FLOWING, GIVE RATE: GPM
PUMP INTAKE SET AT: FEET
WATER AT END OF TEST: 1 ☒ CLEAR 2 ☐ CLOUDY
RECOMMENDED PUMP TYPE: ☐ SHALLOW ☒ DEEP
RECOMMENDED PUMP SETTING: 95 FEET
RECOMMENDED PUMPING RATE: 4 GPM

LOCATION OF WELL

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



DRILLERS REMARKS: 110748

FINAL STATUS OF WELL

1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED ☐ DEWATERING

WATER USE

1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED

METHOD OF CONSTRUCTION

1 ☒ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☐ ROTARY (AIR) 5 ☐ AIR PERCUSSION 6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING ☐ DIGGING ☐ OTHER

CONTRACTOR

NAME OF WELL CONTRACTOR: DOUGLAS TOWERS
WELL CONTRACTOR'S LICENCE NUMBER: 5019
ADDRESS: RR#1 SUTTON
NAME OF WELL TECHNICIAN: ROUG
WELL TECHNICIAN'S LICENCE NUMBER: 0114
SIGNATURE OF TECHNICIAN/CONTRACTOR: Doug
SUBMISSION DATE: DAY 11 MO 9 YR 93

OFFICE USE ONLY

DATA SOURCE
CONTRACTOR 5019
DATE RECEIVED: NOV 08 1993
DATE OF INSPECTION
INSPECTOR
REMARKS
CSS.ES

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FORM NO. 0506 (11/86) FORM 9

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 1912239 MUNICIP 19012 CON. CON. 01

COUNTY OR DISTRICT: DURHAM REGION
TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: UXBRIDGE TWP. (Uxbridge)
CON. BLOCK, TRACT, SURVEY ETC: CON. 1 PLAN40R-1326 PT. 6
LOT: 12
[redacted]
2ND CON. RD.
DATE COMPLETED: DAY 19 MO 10 YR 94
RC. ELEVATION RC BASIN CODE

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
BROWN	CLAY			0	15
BROWN	SAND		LOOSE	15	60
GRAY	GRAVEL		PACKED	60	67
GRAY	SAND		FINE	67	115
GRAY	SAND		MED.	115	118

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
115-118	1 ☒ FRESH 2 ☐ SALTY; 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY; 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY; 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY; 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY; 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6¼	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	0	107
5	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	107	115
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.): # 12 — DIAMETER: 5 INCHES — LENGTH: 3 FEET
MATERIAL AND TYPE: STAINLESS STEEL — DEPTH TO TOP OF SCREEN: 115 FEET

61 PLUGGING & SEALING RECORD

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

71 PUMPING TEST

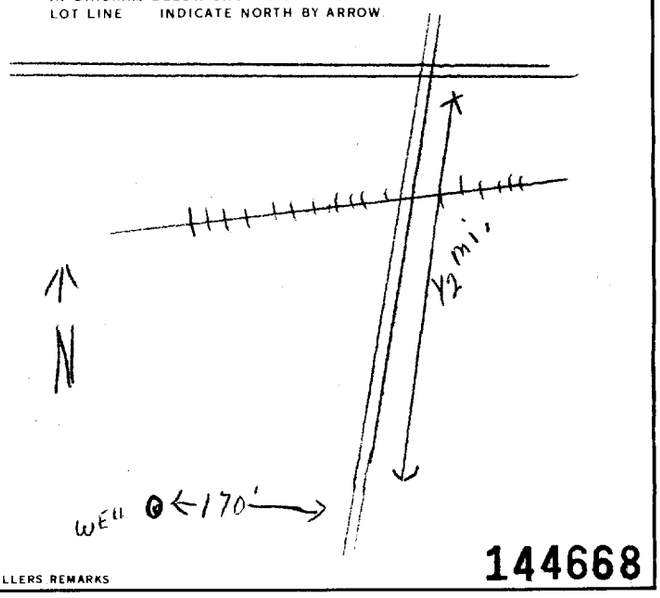
PUMPING TEST METHOD: AIR (1 ☐ PUMP 2 ☐ BAILER)
PUMPING RATE: 20 GPM
DURATION OF PUMPING: 1 HOURS 30 MINS
WATER LEVELS DURING: 1 ☒ PUMPING 2 ☐ RECOVERY

STATIC LEVEL	WATER LEVEL END OF PUMPING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
33 FEET	117 FEET	117 FEET	117 FEET	117 FEET	117 FEET

IF FLOWING, GIVE RATE: GPM
PUMP INTAKE SET AT: 117 FEET
WATER AT END OF TEST: 1 ☒ CLEAR 2 ☐ CLOUDY
RECOMMENDED PUMP TYPE: ☐ SHALLOW ☒ DEEP
RECOMMENDED PUMP SETTING: 80-100 FEET
RECOMMENDED PUMPING RATE: 0-15 GPM

LOCATION OF WELL

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



DRILLERS REMARKS: 144668

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

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

METHOD OF CONSTRUCTION
1 ☐ CABLE TOOL; 2 ☒ ROTARY (CONVENTIONAL); 3 ☐ ROTARY (REVERSE); 4 ☐ ROTARY (AIR); 5 ☐ AIR PERCUSSION; 6 ☐ BORING; 7 ☐ DIAMOND; 8 ☐ JETTING; 9 ☐ DRIVING; ☐ DIGGING; ☐ OTHER

CONTRACTOR

NAME OF WELL CONTRACTOR: E.S. WELL DRILLING
WELL CONTRACTOR'S LICENCE NUMBER: 4738
ADDRESS: GOODWOOD ONT.
NAME OF WELL TECHNICIAN: EARL SAUDER
WELL TECHNICIAN'S LICENCE NUMBER: T-0016
SIGNATURE OF TECHNICIAN/CONTRACTOR: Earl Sauder
SUBMISSION DATE: DAY 19 MO 10 YR 94

OFFICE USE ONLY

DATA SOURCE
CONTRACTOR: 4738
DATE RECEIVED: DEC 16 1994
DATE OF INSPECTION
INSPECTOR
REMARKS: CSS.GS

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FORM NO. 0506 (11/86) FORM 9

Ministry of Environment and Energy
Ontario

The Ontario Water Resources Act
WATER WELL RECORD

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

11 (1–2) **1912600**

Municipality 19012 (10–14) Con. CON (15–22) 01 (23–24)

County or District	Township/Borough/City/Town/Village	Con block tract survey, etc.	Lot (25–27)
[redacted]	UXBRIDGE TWP. (Uxbridge)	CON.1	15
	Address	Date completed (48–53) 26 day 7 month 95 year	

21 (1–2) T (M) (10) (12–17) Northing (18–24) RC (25) Elevation (26–30) RC (31) Basin Code (ii) (iii) (iv) (47)

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)

General colour	Most common material	Other materials	General description	Depth – feet From	Depth – feet To
BROWN	CLAY	SAND		0	17
BROWN	CLAY	SAND	SOFT	17	27
BROWN	SAND	CLAY		27	45
BROWN	GRAVEL	SAND	LOOSE	45	62

31 (10–14, 15–21) 32 (32–43, 54–65, 75–80)

41 WATER RECORD

Water found at – feet	Kind of water
45–62 (13)	(X) 1 Fresh 2 Salty 3 Sulphur 4 Minerals 5 Gas (14)
(15–18)	1 Fresh 2 Salty 3 Sulphur 4 Minerals 5 Gas (19)
(20–23)	1 Fresh 2 Salty 3 Sulphur 4 Minerals 5 Gas (24)
(25–28)	1 Fresh 2 Salty 3 Sulphur 4 Minerals 5 Gas (29)
(30–33)	1 Fresh 2 Salty 3 Sulphur 4 Minerals 5 Gas (34) (60)

51 CASING & OPEN HOLE RECORD

Inside diam inches	Material	Wall thickness inches	Depth – feet From	Depth – feet To
6¼ (10–11)	(X) 1 Steel 2 Galvanized 3 Concrete 4 Open hole 5 Plastic (12)	.188	0	59 (13–16)
(17–18)	1 Steel 2 Galvanized 3 Concrete 4 Open hole 5 Plastic (19)			(20–23)
(24–25)	1 Steel 2 Galvanized 3 Concrete 4 Open hole 5 Plastic (26)			(27–30)

SCREEN

Sizes of opening (Slot No.) (31–33)	Diameter (34–38)	Length (39–40)
#18	6 inches	3 feet
Material and type	**Depth at top of screen (41–44)**	
STAINLESS STEEL	59 feet	(30)

61 PLUGGING & SEALING RECORD

(X) Annular space ☐ Abandonment

Depth set at – feet From	Depth set at – feet To	Material and type (Cement grout, bentonite, etc.)
0 (10–13)	15 (14–17)	BENTONITE
15 (18–21)	59 (22–25)	DRILLING CUTTINGS
(26–29)	(30–33)	(80)

71 PUMPING TEST

Pumping test method (9) 1 ☐ Pump 2 ☐ Bailer: AIR
Pumping rate (11–14): 20 GPM
Duration of pumping (15–16) Hours (17–18) Mins: 1

Static level	Water level end of pumping	Water levels during (25) 1 (X) Pumping 2 ☐ Recovery: 15 minutes	30 minutes	45 minutes	60 minutes
9 (19–21) feet	61 (22–24) feet	61 (26–28) feet	61 (29–31) feet	61 (32–34) feet	61 (35–37) feet

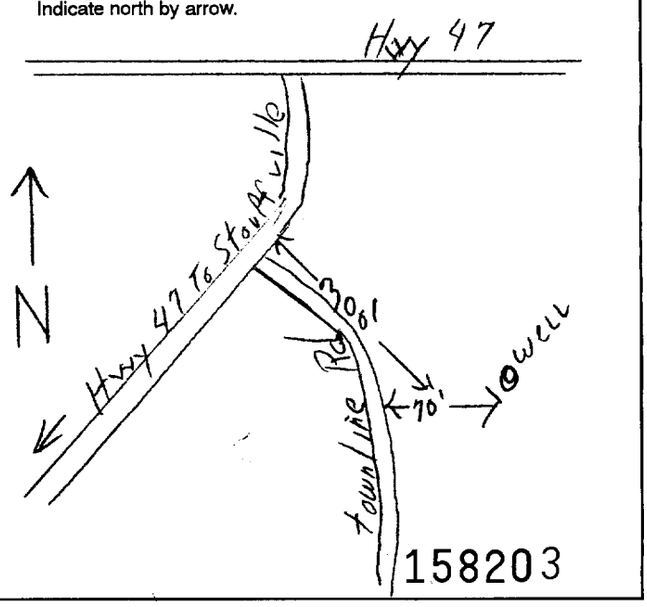
If flowing give rate (38–41)	Pump intake set at	Water at end of test (42)
GPM	61 feet	(X) Clear ☐ Cloudy

Recommended pump type	Recommended pump setting (43–45)	Recommended pump rate (46–49)
☐ Shallow (X) Deep	40 feet	0–20 GPM

(50–53)

LOCATION OF WELL

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



FINAL STATUS OF WELL (54)

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

WATER USE (55–56)

1 (X) Domestic
2 (X) Stock
3 ☐ Irrigation
4 ☐ Industrial
5 ☐ Commercial
6 ☐ Municipal
7 ☐ Public supply
8 ☐ Cooling & air conditioning
9 ☐ Not used
10 ☐ Other .....

METHOD OF CONSTRUCTION (57)

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

Name of Well Contractor	Well Contractor's Licence No.
E.S. WELL DRILLING	4738
Address	
GOODWOOD ONT.	
Name of Well Technician	**Well Technician's Licence No.**
EARL SAUDER	T-0016
Signature of Technician/Contractor	**Submission date** 27 day 7 mo 95 yr
Earl Sauder	

MINISTRY USE ONLY

Data source (58)	Contractor (59–62)	Date received (63–68) (80)
	4738	OCT 20 1995
Date of inspection	**Inspector**	
Remarks		
		CSS.GS

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Ministry of Environment and Energy
Ontario

The Ontario Water Resources Act
WATER WELL RECORD

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

11 1912952

Municipality 19012 Con. CON 01

County or District [redacted]

Township/Borough/City/Town/Village: Uxbridge

Con block tract survey, etc.: Con 1

Lot: 12

Address: Townline

Date completed: 28 8 96 (day month year)

21 Northing RC Elevation RC Basin Code ii iii iv

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)

General colour	Most common material	Other materials	General description	Depth – feet From	Depth – feet To
Brown	clay		soft	0	27
Grey	sand		med	27	30

31

32

41 WATER RECORD

Water found at – feet	Kind of water
27	1 ☑ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas

51 CASING & OPEN HOLE RECORD

Inside diam inches	Material	Wall thickness inches	Depth – feet From	Depth – feet To
6 1/4	1 ☑ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic	.188	0	27
	1 ☐ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic			
	1 ☐ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic			

SCREEN

Sizes of opening (Slot No.)	Diameter	Length
14	6 inches	3 feet

Material and type: SS

Depth at top of screen: 27 feet

61 PLUGGING & SEALING RECORD

☐ Annular space ☐ Abandonment

Depth set at – feet From	Depth set at – feet To	Material and type (Cement grout, bentonite, etc.)
0	18	Kolaplug

71 PUMPING TEST

Pumping test method: 1 ☐ Pump 2 ☑ Bailer

Pumping rate: 30 GPM

Duration of pumping: 2 Hours 30 Mins

Static level	Water level end of pumping	Water levels during: 1 ☐ Pumping 2 ☐ Recovery			
		15 minutes	30 minutes	45 minutes	60 minutes
2 feet	10 feet	5 feet	10 feet	10 feet	10 feet

If flowing give rate: GPM

Pump intake set at: 20 feet

Water at end of test: ☐ Clear ☐ Cloudy

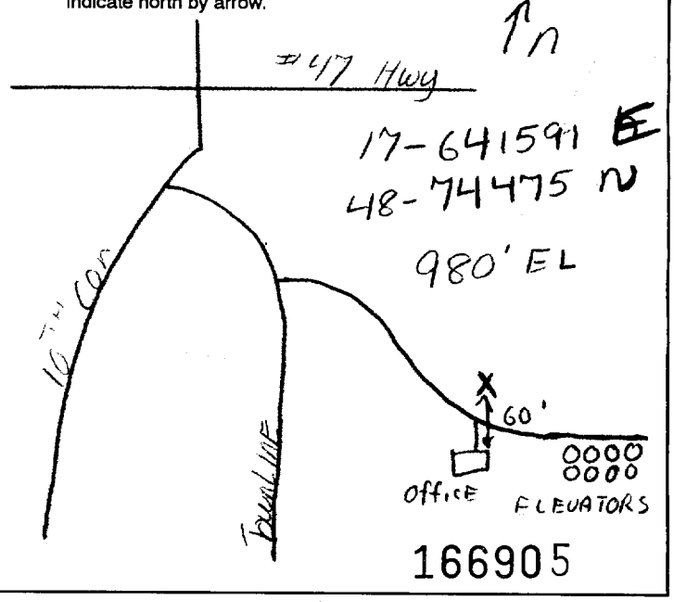
Recommended pump type: ☐ Shallow ☑ Deep

Recommended pump setting: 20 feet

Recommended pump rate: 10 GPM

LOCATION OF WELL

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



FINAL STATUS OF WELL

54

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

WATER USE

55-56

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

METHOD OF CONSTRUCTION

57

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

Name of Well Contractor: Wilson's Water Wells Ltd. | Well Contractor's Licence No.: 5459

Address: 143241 Kennedy Rd

Name of Well Technician: Norm Rennie | Well Technician's Licence No.: T0339

Signature of Technician/Contractor: Peter Wilson | Submission date: 28 8 96 (day mo yr)

MINISTRY USE ONLY

Data source 58 | Contractor 5459 59-62 | Date received SEP 11 1996 63-68 80

Date of inspection | Inspector

Remarks

CGS. BS

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Ontario

The Ontario Water Resources Act
WATER WELL RECORD

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Mark correct box with a checkmark, where applicable.

11 (1 2)

1913495

Municipality 19012 (10 14) Con. CON (15 22 23 24) 01

County or District	Township/Borough/City/Town/Village	Con block tract survey, etc.	Lot (25 27)
[redacted]	Uxbridge	Con 1	12
	Address 2nd Con	Date completed 25 day 11 month 97 year (48-53)	

Northing RC Elevation RC Basin Code ii iii iv

(21 1 2 M 10 12 17 18 24 25 26 30 31 47)

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)

General colour	Most common material	Other materials	General description	Depth – feet From	Depth – feet To
Black	Top Soil			0	2
Brown	Clay	Sand + Stones		2	20
Brown	Clay	Sandy		20	52
Brown	Sand + Gravel			52	58
Brown	Clay	Sand + Stones		58	65
Grey	Clay	Silty		65	95
Grey	Silt			95	114
Grey	Sand		Fine	114	118
Grey	Silt			118	

(31) (32) (10 14 15 21 32 43 54 65 75 80)

41 WATER RECORD

Water found at – feet	Kind of water
114 (10-13)	1 ☑ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 5 ☐ Gas (14)
(15-18)	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 5 ☐ Gas (19)
(20-23)	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 5 ☐ Gas (24)
(25-28)	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 5 ☐ Gas (29)
(30-33)	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 5 ☐ Gas (34) (60)

51 CASING & OPEN HOLE RECORD

Inside diam inches	Material	Wall thickness inches	Depth – feet From	Depth – feet To
6 1/4 (10-11)	1 ☑ Steel (12) 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic	.188	0	115 (13-16)
(17-18)	1 ☐ Steel (19) 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic			(20-23)
(24-25)	1 ☐ Steel (26) 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic			(27-30)

SCREEN

Sizes of opening (Slot No.) (31-33)	Diameter (34-38)	Length (39-40)
10	6 inches	3 feet
Material and type: S.S.	Depth at top of screen (41-44): 115 feet	(30)

61 PLUGGING & SEALING RECORD

☑ Annular space ☐ Abandonment

Depth set at – feet From	Depth set at – feet To	Material and type (Cement grout, bentonite, etc.)
0 (10-13)	20 (14-17)	Bonseal
(18-21)	(22-25)	
(26-29)	(30-33) (80)	

71 PUMPING TEST

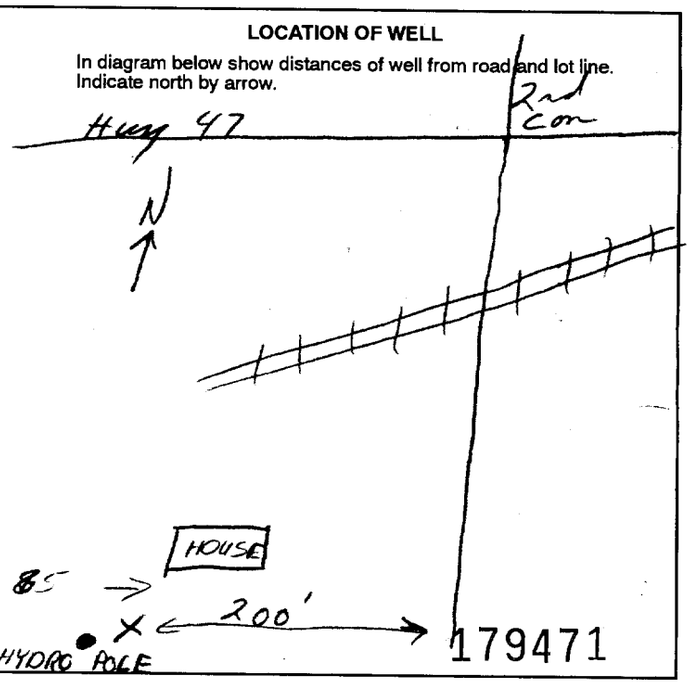
Pumping test method (10)	Pumping rate (11-14)	Duration of pumping (15-16 Hours, 17-18 Mins)
1 ☐ Pump 2 ☑ Bailer	9 GPM	3 Hours

Static level (19-21)	Water level end of pumping (22-24)	Water levels during (25)	15 minutes (26-28)	30 minutes (29-31)	45 minutes (32-34)	60 minutes (35-37)
60 feet	100 feet	1 ☐ Pumping 2 ☐ Recovery	100 feet	100 feet	100 feet	100 feet

If flowing give rate (38-41)	Pump intake set at	Water at end of test (42)
GPM	feet	☑ Clear ☐ Cloudy
Recommended pump type: ☐ Shallow ☑ Deep (50-53)	Recommended pump setting (43-45): 110 feet	Recommended pump rate (46-49): 9 GPM

LOCATION OF WELL

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



FINAL STATUS OF WELL (54)

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

WATER USE (55 56)

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

METHOD OF CONSTRUCTION (57)

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

Name of Well Contractor	Well Contractor's Licence No.
Wilson Water Wells Ltd	5459
Address: R.R. 4 Stouffville Ont	
Name of Well Technician	Well Technician's Licence No.
Peter Wilson	95-83
Signature of Technician/Contractor	Submission date: 5 day / mo / 98 yr

MINISTRY USE ONLY

Data source (58)	Contractor (59-62)	Date received (63-68) (80)
	5459	JAN 09 1998
Date of inspection	Inspector	
Remarks		

CSS.S8

Ontario **Ministry of the Environment**

The Ontario Water Resources Act

WATER WELL RECORD

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

11 **1914668** Municipality 19012 Con. CON 01

County or District	Township/Borough/City/Town/Village	Con block tract survey, etc.	Lot
[redacted]	Uxbridge	Con 1	11

Address: 2829 Townline — Date completed: 9 day 8 month 00 year

21 UTM Northing RC Elevation RC Basin Code ii iii iv

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)

General colour	Most common material	Other materials	General description	Depth - feet From	Depth - feet To
Brown	clay			0	18
Gray	"		soft	18	45
"	"		hard	45	58
"	"		soft	58	81
Brown	sand		coarse	81	88

31

32

41 WATER RECORD

Water found at - feet	Kind of water
81	1 ☐ ~~Fresh~~ 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas

51 CASING & OPEN HOLE RECORD

Inside diam inches	Material	Wall thickness inches	Depth - feet From	Depth - feet To
1/64	1 ☐ ~~Steel~~ 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic	.188	0	82
	1 ☐ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic			
	1 ☐ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic			

SCREEN

Sizes of opening (Slot No.)	Diameter	Length
#16 #14	6 inches	6 feet

Material and type: 55 — Depth at top of screen: 82 feet

61 PLUGGING & SEALING RECORD

☐ ~~Annular space~~ ☐ Abandonment

Depth set at - feet From	Depth set at - feet To	Material and type (Cement grout, bentonite, etc.)
0	20	Bentplug

71 PUMPING TEST

Pumping test method: 1 ☐ Pump 2 ☒ ~~Bailer~~ — Pumping rate: 20 GPM — Duration of pumping: 1 Hours 30 Mins

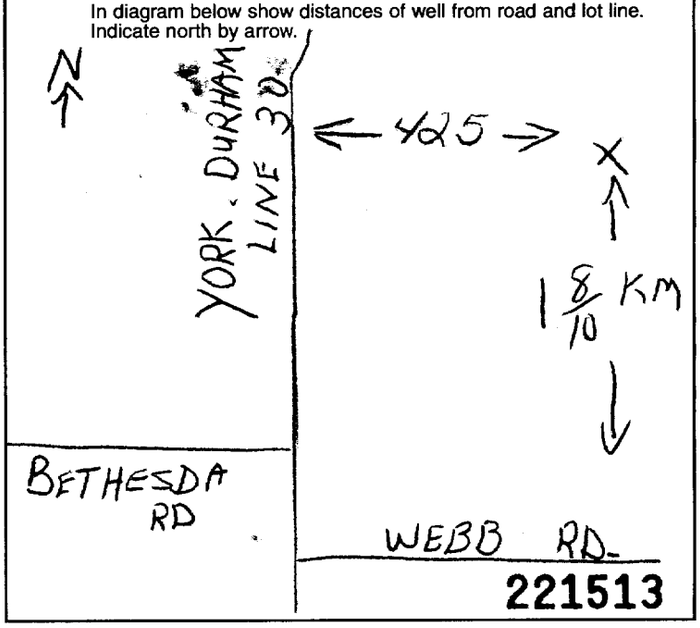
Static level	Water level end of pumping	Water levels during: 1 ☒ ~~Pumping~~ 2 ☐ Recovery			
		15 minutes	30 minutes	45 minutes	60 minutes
6 feet	55 feet	45 feet	53 feet	55 feet	55 feet

If flowing give rate: GPM — Pump intake set at: 60 feet — Water at end of test: ☒ ~~Clear~~ ☐ Cloudy

Recommended pump type: ☐ Shallow ☒ ~~Deep~~ — Recommended pump setting: 60 feet — Recommended pump rate: 20 GPM

LOCATION OF WELL

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



221513

FINAL STATUS OF WELL 54

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

WATER USE 55-56

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

METHOD OF CONSTRUCTION 57

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

Name of Well Contractor	Well Contractor's Licence No.
Wilson water Wells	5459
Address: 13787 Hwy 48 Stouffville	
Name of Well Technician: M Kennil	Well Technician's Licence No.: 70339
Signature of Technician/Contractor: Peter Wilson	Submission date: day 12 mo 8 yr 00

MINISTRY USE ONLY

Data source 58 — Contractor 59-62: 5459 — Date received 63-68: AUG 21 2000

Date of inspection — Inspector

Remarks: CSS.ES0

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Ontario **Ministry of the Environment**

The Ontario Water Resources Act
WATER WELL RECORD

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Mark correct box with a checkmark, where applicable.

11 (1 2) **1915843** Municipality 19012 (10 14) Con. CON (15 22 23 24) 01

County or District	Township/Borough/City/Town/Village	Con block tract survey, etc.	Lot (25-27)
Durham	Uxbridge	Con 1	Pt 10+11
[redacted]	Address 2nd Con	Date completed (48-53) 23 day 04 month 02 year	

21 (1 2) UTM (10 12 17) Northing (18 24) RC (25) Elevation (26 30) RC Basin Code (31 47) ii iii iv

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)

General colour	Most common material	Other materials	General description	Depth - feet From	Depth - feet To
Black	Top Soil			0	2
Brown	Clay	Sand + Stones		2	48
Grey	Clay	Silty		48	75
Grey	Silt	Clay		75	143
Grey	Silt + Sand + Gravel			143	154
Grey	Clay		Soft	154	156
~~Grey~~ Brown	Sand			156	158
Grey	Clay	Stoney		158	

31 (10 14 15 21) 32 (10 14 15 21 32 43 54 65 75 80)

41 WATER RECORD

Water found at - feet	Kind of water
156 (10-13)	1 ☑ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas (14)
(15-18)	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas (19)
(20-23)	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas (24)
(25-28)	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas (29)
(30-33)	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas (34) (60)

51 CASING & OPEN HOLE RECORD

Inside diam inches	Material	Wall thickness inches	Depth - feet From	Depth - feet To
(10-11) 6 1/4	1 ☑ Steel (12) 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic	.188	0	156 (13-16)
(17-18)	1 ☐ Steel (19) 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic			(20-23)
(24-25)	1 ☐ Steel (26) 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic			(27-30)

SCREEN

Sizes of opening (Slot No.) (31-33)	Diameter (34-38)	Length (39-40)
12	6 inches	3 feet
Material and type	**Depth at top of screen (41-44)**	(30)
S.S.	156 feet	

61 PLUGGING & SEALING RECORD

☑ Annular space ☐ Abandonment

Depth set at - feet From	Depth set at - feet To	Material and type (Cement grout, bentonite, etc.)
0 (10-13)	20 (14-17)	Bentonite Grout
(18-21)	(22-25)	
(26-29)	(30-33) (80)	

PUMPING TEST

71 Pumping test method (10) 1 ☐ Pump 2 ☑ Bailer | Pumping rate 45 GPM (11-14) | Duration of pumping (15-16) 1 Hours (17-18) 30 Mins

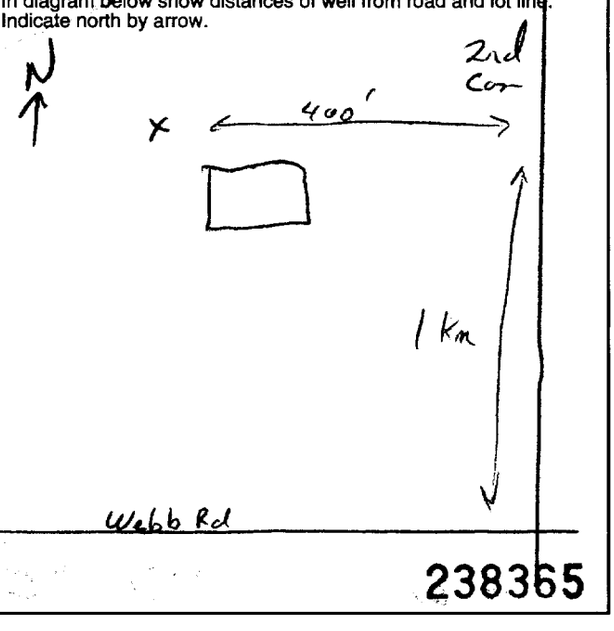
Static level	Water level end of pumping	Water levels during (25) 1 ☑ Pumping 2 ☐ Recovery			
(19-21)	(22-24)	15 minutes (26-28)	30 minutes (29-31)	45 minutes (32-34)	60 minutes (35-37)
40 feet	120 feet	80 feet	120 feet	120 feet	120 feet

If flowing give rate (38-41)	Pump intake set at	Water at end of test (42)
GPM	feet	☑ Clear ☐ Cloudy
Recommended pump type	**Recommended pump setting (43-45)**	**Recommended pump rate (46-49)**
☐ Shallow ☑ Deep	140 feet	15 GPM

(50-53)

LOCATION OF WELL

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



238365

FINAL STATUS OF WELL (54)

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

WATER USE (55-56)

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

METHOD OF CONSTRUCTION (57)

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

Name of Well Contractor	Well Contractor's Licence No.
Wilson Water Wells Ltd	5459
Address	
Kingsville	
Name of Well Technician	**Well Technician's Licence No.**
[signature]	01-83
Signature of Technician/Contractor	**Submission date**
Peter Wilson	day 25 mo 04 yr 02

MINISTRY USE ONLY

Data source (58)	Contractor (59-62)	Date received (63-68) (80)
	5459	MAY 09 2002
Date of inspection	**Inspector**	
Remarks		
		CSS.ES2

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Ontario **Ministry of Environment and Energy**

The Ontario Water Resources Act
WATER WELL RECORD

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

11 — 1916758 — Municipality 19012 — Con. CON 01

County or District	Township/Borough/City/Town/Village	Con block tract survey, etc.	Lot
[redacted]	Uxbridge	Con 1	12
	Address of Well Location: 3350 Con 2	Date completed: 14 day / 10 month / 03 year	

21 — UTM Zone — Easting — Northing — RC — Elevation — RC — Basin Code — ii — iii — iv

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)

General colour	Most common material	Other materials	General description	Depth - feet From	Depth - feet To
Brown	clay	sandy		0	28
Brown	sand	silt		28	33
Brown	clay	sandy		33	48
Brown	sand	silt		48	56
Brown	sand	stones		56	96
Grey	clay	sand		96	133
Brown	sand	stones		133	159

31 — 32

41 WATER RECORD

Water found at - feet	Kind of water
146	1 ☑ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 5 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 5 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 5 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 5 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 5 ☐ Gas

51 CASING & OPEN HOLE RECORD

Inside diam inches	Material	Wall thickness inches	Depth - feet From	Depth - feet To
6 5/8	1 ☑ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic	.188	0	146
	1 ☐ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic			
	1 ☐ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic			

SCREEN

Sizes of opening (Slot No.)	Diameter	Length	Material and type	Depth at top of screen
14 416	6 inches	6 feet	55	146 feet

61 PLUGGING & SEALING RECORD

☑ Annular space ☐ Abandonment

Depth set at - feet From	Depth set at - feet To	Material and type (Cement grout, bentonite, etc.)
0	53	Bentonite

71 PUMPING TEST

Pumping test method: 1 ☑ Pump 2 ☐ Bailer
Pumping rate: 12 GPM
Duration of pumping: 1 Hours ... Mins

Static level	Water level end of pumping	Water levels during: 1 ☑ Pumping 2 ☐ Recovery			
		15 minutes	30 minutes	45 minutes	60 minutes
37 feet	43 feet	42.8 feet	42.9 feet	42.95 feet	43 feet

If flowing give rate	Pump intake set at	Water at end of test	Recommended pump type	Recommended pump setting	Recommended pump rate
GPM	feet	☑ Clear ☐ Cloudy	☐ Shallow ☑ Deep	feet	GPM

FINAL STATUS OF WELL

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

WATER USE

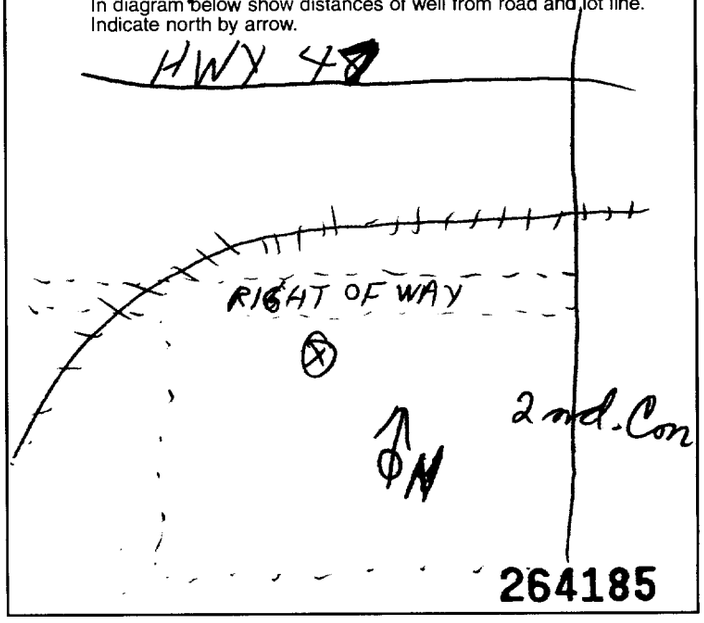
1 ☑ Domestic 2 ☐ Stock 3 ☐ Irrigation 4 ☐ Industrial 5 ☐ Commercial 6 ☐ Municipal 7 ☐ Public supply 8 ☐ Cooling & air conditioning 9 ☐ Not use 10 ☐ Other

METHOD OF CONSTRUCTION

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

LOCATION OF WELL

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



Name of Well Contractor	Well Contractor's Licence No.
Wilson Water Wells	5457
Address: 13787 HWY 48	
Name of Well Technician: J. Grant	Well Technician's Licence No. 0234
Signature of Technician/Contractor	Submission date: day mo yr

MINISTRY USE ONLY

Data source	Contractor	Date received
	5459	OCT 21 2003
Date of inspection	Inspector	
Remarks		

2 - MINISTRY OF ENVIRONMENT AND ENERGY COPY

0506 (06/02) Front Form 9

Ontario Ministry of the Environment

Well Tag Number (Place sticker and print number below) A004946

Well Record

Regulation 903 Ontario Water Resources Act

page ___ of ___

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- Please print clearly in blue or black ink only.

Ministry Use Only

[redacted]

Address of Well Location (County/District/Municipality) | Township | Lot | Concession

RR#/Street Number/Name | City/Town/Village | Site/Compartment/Block/Tract etc.

GPS Reading | NAD 8 3 | Zone | Easting 382 079 19 0 50 | Northing 44 00 074 | Unit Make/Model | Mode of Operation: ☐ Undifferentiated ☐ Averaged ☐ Differentiated, specify

Log of Overburden and Bedrock Materials (see instructions)

General Colour	Most common material	Other Materials	General Description	Depth From	Depth To

Hole Diameter

Depth From	Depth To	Diameter Centimetres

Water Record

Water found at ___ Metres | Kind of Water

- ___ m ☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:
- ___ m ☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:
- ___ m ☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:

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

Chlorinated ☐ Yes ☐ No

Construction Record

Inside diam centimetres	Material	Wall thickness centimetres	Depth From	Depth To
Casing				
15.8cm	☑ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	.635cm	0m	67.6m
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
Screen				
Outside diam	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	Slot No.		

No Casing or Screen

☐ Open hole

Test of Well Yield

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

Plugging and Sealing Record

☐ Annular space ☑ Abandonment

Depth set at - Metres From	Depth set at - Metres To	Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)
0	66.4	BENSEAL	
66.4	67.6m	SAND	

Method of Construction

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

Water Use

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

Final Status of Well

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

Well Contractor/Technician Information

Name of Well Contractor: WILSON'S WATER WELLS | Well Contractor's Licence No.: 5459

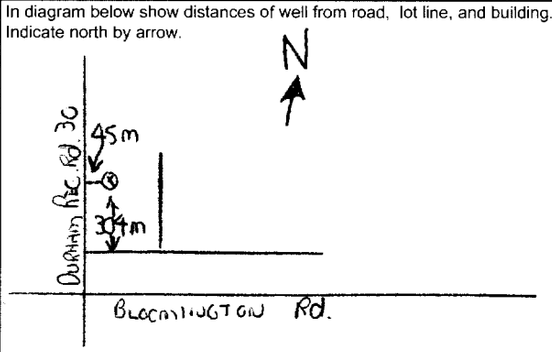
Business Address (street name, number, city etc.): 13787 HWY 48 STOUFFVILLE L4A 7X3

Name of Well Technician (last name, first name): ARMSTRONG Scott | Well Technician's Licence No.: T0798

Signature of Technician/Contractor: x Scott Armstrong | Date Submitted YYYY MM DD: 2004 02 26

Location of Well

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



Audit No. Z 05065 | Date Well Completed YYYY MM DD: 2004 02 26

Was the well owner's information package delivered? ☐ Yes ☐ No | Date Delivered YYYY MM DD

Ministry Use Only

Data Source | Contractor: 5459

Date Received YYYY MM DD: MAY 26 2004 | Date of Inspection YYYY MM DD

Remarks: CSS.ES5 | Well Record Number: 1917056

0506E (09/03) Contractor's Copy ☐ Ministry's Copy ☐ Well Owner's Copy ☐ *Cette formule est disponible en français*

Ontario — Ministry of the Environment

Well Tag Number (Place sticker and print number below): A004952

Well Record

Regulation 903 Ontario Water Resources Act

page ___ of ___

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MUN 1901 2 CON CON 21 LOT 13

Well Owner's Information and Location of Well Information

First Name	Last Name	Mailing Address (Street Number/Name, RR,Lot,Concession)
Durham	Region	

County/District/Municipality	Township/City/Town/Village	Province	Postal Code	Telephone Number (include area code)
Durham		Ontario		

Address of Well Location (County/District/Municipality)	Township	Lot	Concession
Uxville Conservation Park	Uxbridge	13	1

RR#/Street Number/Name	City/Town/Village	Site/Compartment/Block/Tract etc.

GPS Reading	NAD	Zone	Easting	Northing	Unit Make/Model	Mode of Operation
	83		641265	4875281		☐ Undifferentiated ☐ Averaged ☐ Differentiated, specify

Log of Overburden and Bedrock Materials (see instructions)

General Colour	Most common material	Other Materials	General Description	Depth From	Depth To
Brown	clay	sandy		0	30
Brown	sand	stones		30	56
Brown	clay	stone		56	92
Brown	sand	stones		92	161
Brown	clay	sandy		161	189
Brown	sand	stones		189	222

Hole Diameter

Depth From	Depth To	Diameter Centimetres
0	222'	6"

Water Record

Water found at ___ Metres	Kind of Water
___ m	☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:
___ m	☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:
___ m	☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:

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

Chlorinated ☐ Yes ☐ No

Construction Record

Inside diam centimetres	Material	Wall thickness centimetres	Depth From	Depth To
Casing				
2 1/2"	☐ Steel ☐ Fibreglass ☑ Plastic ☐ Concrete ☐ Galvanized	1/4"	0	212
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
Screen				
Outside diam 2 1/2"	☐ Steel ☐ Fibreglass ☑ Plastic ☐ Concrete ☐ Galvanized	Slot No.	212	222
No Casing or Screen	☐ Open hole			

Test of Well Yield

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

Plugging and Sealing Record

☑ Annular space ☐ Abandonment

Depth set at - Metres From	Depth set at - Metres To	Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)
0	205'	Bentonite	

Method of Construction

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

Water Use

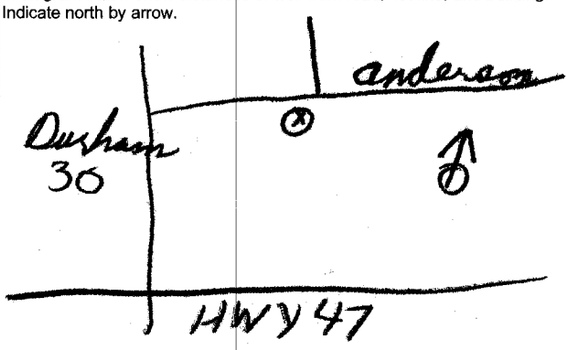
☐ Domestic ☐ Industrial ☐ Public Supply ☐ Other
☐ Stock ☐ Commercial ☑ Not used
☐ Irrigation ☐ Municipal ☐ Cooling & air conditioning

Final Status of Well

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

Location of Well

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



Audit No. Z 05035

Date Well Completed: YYYY 04 MM 05 DD 17

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

Date Delivered YYYY MM DD

Well Contractor/Technician Information

Name of Well Contractor: Watson Water Wells — Well Contractor's Licence No.: 5459

Business Address (street name, number, city etc.): 13787 HWY 48

Name of Well Technician (last name, first name): Grant — Well Technician's Licence No.: 0234

Signature of Technician/Contractor: X Grant — Date Submitted YYYY MM DD: May 04 05 17

Ministry Use Only

Data Source	Contractor
	5459
Date Received YYYY MM DD: JUL 08 2004	Date of Inspection YYYY MM DD
Remarks	Well Record Number: 1917140

0506E (09/03) Contractor's Copy ☐ Ministry's Copy ☐ Well Owner's Copy ☐

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Ontario Ministry of the Environment

Well Tag Number (Place sticker and print number below) A013015 A013015

Well Record

Regulation 903 Ontario Water Resources Act

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MUN 1901 CON CON 01 LOT 16

Well Owner's Information and Location of Well Information

[redacted]

YORK | UXBRIDGE | 16 | 1

RR#/Street Number/Name: PROUSE RD | City/Town/Village | Site/Compartment/Block/Tract etc.

GPS Reading | NAD: 83 | Zone: 17 | Easting: 641189 | Northing: 4876150 | Unit Make/Model: MAP 410 | Mode of Operation: ☐ Undifferentiated ☑ Averaged ☐ Differentiated, specify

Log of Overburden and Bedrock Materials (see instructions)

General Colour	Most common material	Other Materials	General Description	Depth From	Depth To
BROWN	SAND	GRAVEL		0	10.3
BROWN	CLAY			10.3	11.5
BROWN	SAND	CLAY	STREAKS	11.5	16.1
BROWN	MED SAND	FINE SAND		16.1	41.4
BROWN	COARSE SAND			41.4	48.1
BROWN	MED SAND	GRAVEL		48.1	57.3
BROWN	MED SAND			57.3	60.3
BROWN	FINE SAND	SILT CLAY		60.3	61.8

Hole Diameter

Depth From	Metres To	Diameter Centimetres

Water Record

Water found at Metres / Kind of Water

57 m ☑ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:

___ m ☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:

___ m ☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:

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

Chlorinated ☑ Yes ☐ No

Construction Record

Inside diam centimetres	Material	Wall thickness centimetres	Depth From	Depth To
Casing				
16.8	☑ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	.48	0	58.5
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
Screen				
Outside diam 5S	☑ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	Slot No. 14	58.5	60.0
16				
No Casing or Screen				
	☐ Open hole			

Test of Well Yield

Pumping test method: PUMP

	Draw Down Time min	Draw Down Water Level Metres	Recovery Time min	Recovery Water Level Metres
Pump intake set at - (metres)	Static Level	40.6		43.3
Pumping rate - (litres/min) 80	1		1	
Duration of pumping 1 hrs + 0 min	2		2	
Final water level end of pumping 43.3 metres	3		3	
Recommended pump type. ☐ Shallow ☑ Deep	4		4	
Recommended pump depth. 50 metres	5		5	
Recommended pump rate. 50 (litres/min)	10		10	
If flowing give rate - (litres/min)	15	43.3	15	40.6
If pumping discontinued, give reason.	20		20	
	25		25	
	30	43.3	30	
	40	43.3	40	
	50		50	
	60	43.3	60	

Plugging and Sealing Record ☑ Annular space ☐ Abandonment

Depth set at - Metres From	To	Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)
0	6	BENTONITE GROUT	

Method of Construction

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

Water Use

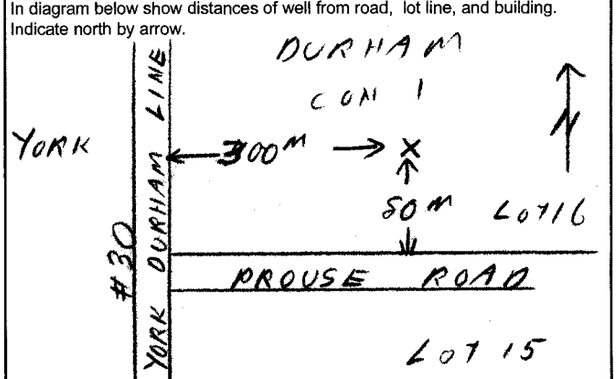
☐ Domestic ☑ Industrial ☐ Public Supply ☐ Other
☐ Stock ☐ Commercial ☐ Not used
☐ Irrigation ☐ Municipal ☐ Cooling & air conditioning

Final Status of Well

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

Location of Well

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



Audit No. Z 19460 | Date Well Completed 2004 10 5 | Was the well owner's information package delivered? ☐ Yes ☐ No | Date Delivered

Well Contractor/Technician Information

Name of Well Contractor: FRED CONSTABLE SON LTD | Well Contractor's Licence No. 1663

Business Address (street name, number, city etc.): 3519 5TH LINE BRADFORD

Name of Well Technician (last name, first name): STEVE THOMSON | Well Technician's Licence No. T 2120

Signature of Technician/Contractor: X Tom Constable | Date Submitted 2004 11 18

Ministry Use Only

Data Source | Contractor 1663

Date Received NOV 30 2004 | Date of Inspection

Remarks | Well Record Number 1917328

0506E (09/03) Contractor's Copy ☐ Ministry's Copy ☐ Well Owner's Copy ☐ *Cette formule est disponible en français*

Ontario Ministry of the Environment

Well Tag A011158 (or below)

A011158

Well Record

Regulation 903 Ontario Water Resources Act

page ___ of ___

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- Please print clearly in blue or black ink only.

Ministry Use Only

MUN | CON | LOT

Well Owner's Information and Location of Well Information

[redacted]

RR#/Street Number/Name: ANDERSON BLVD.

City/Town/Village: UXBRIDGE

Site/Compartment/Block/Tract etc.

GPS Reading | NAD: 83 | Zone: 17T | Easting: 0641947 | Northing: 4876200

Unit Make/Model

Mode of Operation: ☐ Undifferentiated ☐ Averaged ☐ Differentiated, specify

Log of Overburden and Bedrock Materials (see instructions)

General Colour	Most common material	Other Materials	General Description	Depth From	Depth To (Metres)
BROWN	SILTY TILL			0	42'
BROWN	SAND			42'	85'
	WELL DECOMMISSIONING RECORD.				
	OVERDRILL 2" PVC TO 42' REMOVED PIPE & GROUT TO SURFACE				

Hole Diameter

Depth From	Depth To (Metres)	Diameter (Centimetres)
	85'	8 1/4"

Water Record

Water found at ___ Metres / Kind of Water

- ___ m ☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:
- ___ m ☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:
- ___ m ☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:

N/A

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

Chlorinated ☐ Yes ☐ No

Construction Record

Inside diam centimetres	Material	Wall thickness centimetres	Depth From	Depth To (Metres)
Casing				
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
Screen				
Outside diam	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	Slot No.		
No Casing or Screen				
	☐ Open hole			

Test of Well Yield

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

N/A

Plugging and Sealing Record

☐ Annular space ☑ Abandonment

Depth set at - From	Depth set at - To (Metres)	Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)
85'	70'	SILICA SAND.	
70'	0	BENTONITE GROUT	

Method of Construction

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

Water Use

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

Final Status of Well

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

Well Contractor/Technician Information

Name of Well Contractor: LANTECH DRILLING SERVICES | Well Contractor's Licence No.: 6809

Business Address (street name, number, city etc.): 3661 MOUNT ALBERT RD, R.R.#1, SHARON, ON

Name of Well Technician (last name, first name): PASCO, TODD | Well Technician's Licence No.: T-2252.

Signature of Technician/Contractor: x per Mark Williams | Date Submitted: 2005/06/29

Location of Well

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

SEE ATTACHED.

Audit No. Z 23484

Date Well Completed: 2005/06/10

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

Date Delivered

Ministry Use Only

Data Source | Contractor: 6809

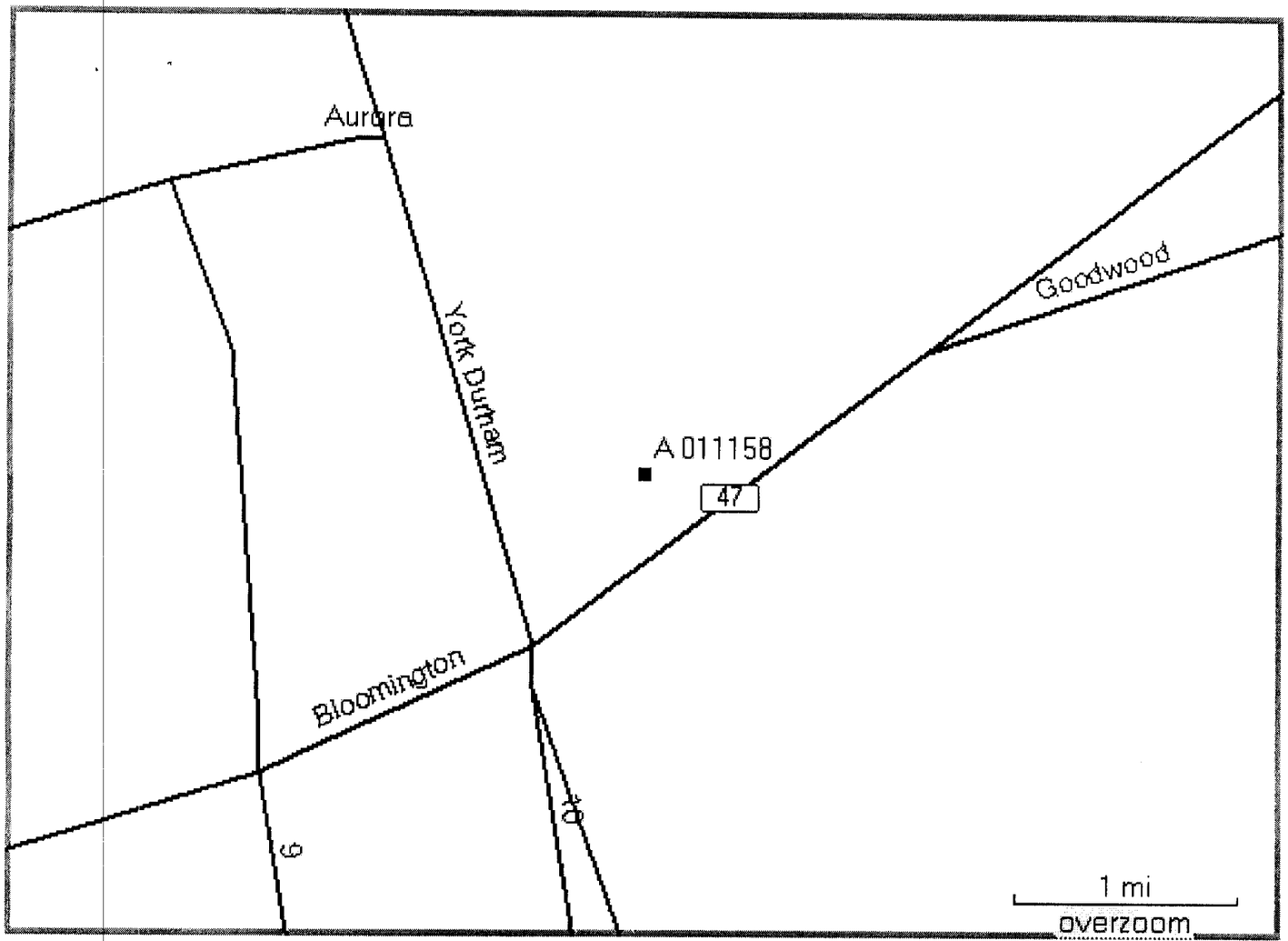
Date Received: JUN 28 2005 | Date of Inspection

Remarks | Well Record Number

0506E (09/03)

Contractor's Copy ☐ Ministry's Copy ☑ Well Owner's Copy ☐

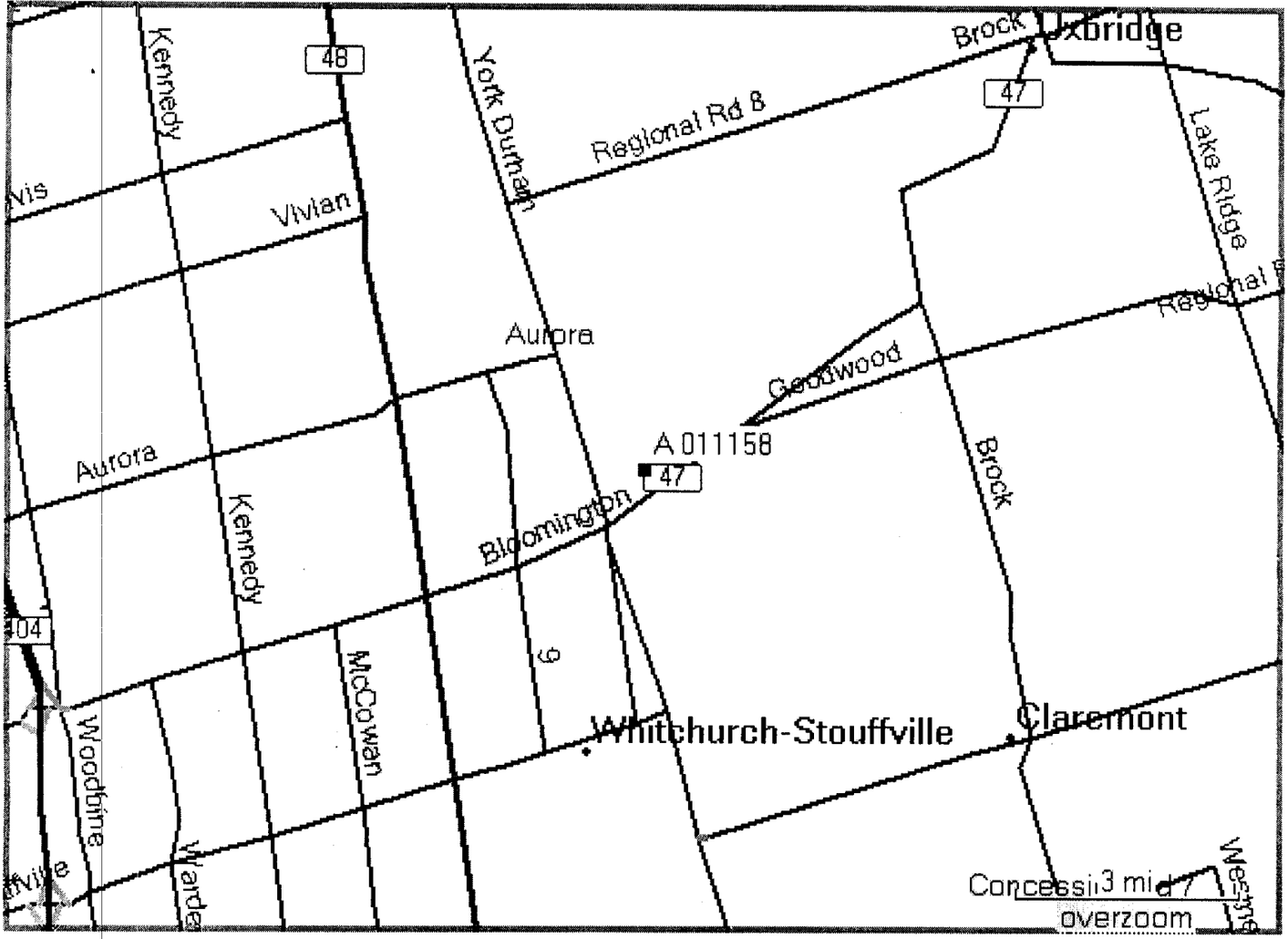
Cette formule est disponible en français



Z 23484

6809

JUN 28 2005



Z23484

6809

JUN 28 2005

Ontario Ministry of the Environment

Well Tag Number (Place sticker and print number below): A022116

Well Record

Regulation 903 Ontario Water Resources Act

page 1 of ___

Instructions for Completing Form

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Ministry Use Only

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Well Owner's Information and Location of Well Information

[redacted]

RR#/Street Number/Name: 2nd Con | City/Town/Village: Caledon | Site/Compartment/Block/Tract etc.:

GPS Reading: NAD 83 | Zone: 17 | Easting: 592659 | Northing: 4875150 | Unit Make/Model: Magellan | Mode of Operation: ☐ Undifferentiated ☑ Averaged ☐ Differentiated, specify

Log of Overburden and Bedrock Materials (see instructions)

General Colour	Most common material	Other Materials	General Description	Depth From	Depth To (Metres)
Brown	clay	sandy stone + silt		0	41
Brown	sandy			41	103
Brown	sand			103	162

Hole Diameter

Depth From	Depth To (Metres)	Diameter (Centimetres)
0	147'	9 1/2"

Water Record

Water found at ___ Metres / Kind of Water

- ___ m ☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:
- ___ m ☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:
- ___ m ☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:

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

Chlorinated ☐ Yes ☐ No

Construction Record

Inside diam centimetres	Material	Wall thickness centimetres	Depth From	Depth To (Metres)
Casing				
6 1/8	☑ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	.188	0	141'
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
Screen				
Outside diam		Slot No.		
6	☑ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	18	141'	147'
No Casing or Screen				
	☐ Open hole			

Test of Well Yield

Pumping test method: Jet

Pump intake set at - (metres): 130'

Pumping rate - (litres/min): 10gpm

Duration of pumping: 1 hrs + ___ min

Final water level end of pumping: 54.0 metres

Recommended pump type: ☐ Shallow ☑ Deep

Recommended pump depth. ___ metres

Recommended pump rate. (litres/min)

If flowing give rate - (litres/min)

If pumping discontinued, give reason.

	Draw Down Time min	Draw Down Water Level Metres	Recovery Time min	Recovery Water Level Metres
Static Level		47.2		
1		50.8	1	
2		52.4	2	
3		53.3	3	
4		53.7	4	
5		53.9	5	
10		54.0	10	
15		54.0	15	
20		54.0	20	
25		54.0	25	
30		54.0	30	
40		54.0	40	
50		54.0	50	
60		54.0	60	

Plugging and Sealing Record ☐ Annular space ☐ Abandonment

Depth set at - Metres From	To	Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)
0	83'	Bentonite	
83'	141'	Slurry	

Method of Construction

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

Water Use

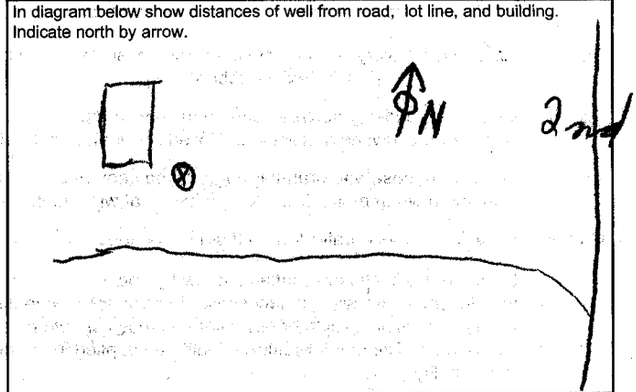
☑ Domestic ☐ Industrial ☐ Public Supply ☐ Other
☐ Stock ☐ Commercial ☐ Not used
☐ Irrigation ☐ Municipal ☐ Cooling & air conditioning

Final Status of Well

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

Location of Well

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



Audit No. Z 22444

Date Well Completed: YYYY MM DD

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

Date Delivered: YYYY MM DD

Well Contractor/Technician Information

Name of Well Contractor: Wilson Water Wells | Well Contractor's Licence No.: 5459

Business Address (street name, number, city etc.): 13787 HWY 48

Name of Well Technician (last name, first name) | Well Technician's Licence No.: 0234

Signature of Technician/Contractor: X [signature] | Date Submitted: YYYY MM DD

Ministry Use Only

Data Source | Contractor: 5459

Date Received: JUL 13 2005 MM DD | Date of Inspection: YYYY MM DD

Remarks: REPORTED VIA PHONE DWC 2005/06/07 | Well Record Number

0506E (09/03) Contractor's Copy ☐ Ministry's Copy ☐ Well Owner's Copy ☐

Cette formule est disponible en français

Ontario Ministry of the Environment

Well Tag Number: A028262 (A028262)

Well Record

Regulation 903 Ontario Water Resources Act

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Ministry Use Only

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Well Owner's Information and Location of Well Information

[redacted]

Lafarge, Stouffville Pit — Oxbridge

RR#/Street Number/Name: Bloomington Rd. & York/Durham Line 30 — City/Town/Village: Stouffville — Site/Compartment/Block/Tract etc.

GPS Reading — NAD: 83 — Zone: 17 — Easting: 640818 — Northing: 4875659 — Unit Make/Model — Mode of Operation: ☐ Undifferentiated ☐ Averaged ☐ Differentiated, specify

Log of Overburden and Bedrock Materials (see instructions)

General Colour	Most common material	Other Materials	General Description	Depth From	Depth To (Metres)
Beige-Brown	Till	silt, sand	dry and very compact	0	0.61
Brown	Sand		fine grained, dry + loose	0.61	1.52
Brown	Clay, Silt		damp and compact	1.52	3.35
Brown	Gravel	sand	medium to coarse grained.	3.35	7.62
Brown	Sand	gravel, silt		7.62	22.56
Brown	Silt		dry and loose	22.56	34.75
Brown	Sand		very fine grained, wet + compact	34.75	38.10

Hole Diameter

Depth From	Metres To	Diameter Centimetres
0	38.10	25

Water Record

Water found at Metres	Kind of Water
1.52 m	☒ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:
34.75 m	☒ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:
____ m	☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:

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

Chlorinated ☐ Yes ☒ No

Construction Record

Inside diam centimetres	Material	Wall thickness centimetres	Depth From	Metres To
Casing				
5.0	☐ Steel ☐ Fibreglass ☒ Plastic ☐ Concrete ☐ Galvanized	.4	0	33.53
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
Screen				
Outside diam	☐ Steel ☐ Fibreglass ☒ Plastic ☐ Concrete ☐ Galvanized	Slot No.		
6.1		010	33.53	38.10
No Casing or Screen				
	☐ Open hole			

Test of Well Yield

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

Plugging and Sealing Record

☒ Annular space ☐ Abandonment

Depth set at - Metres From	To	Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)
0	31.08	Bentonite	
31.08	38.10	Sand	

Method of Construction

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

Water Use

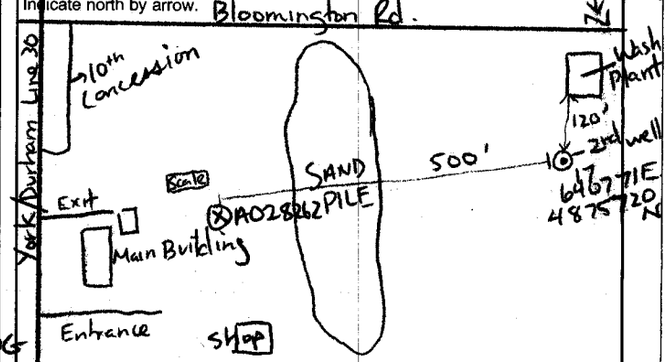
☐ Domestic ☐ Industrial ☐ Public Supply ☒ Other MONITORING
☐ Stock ☐ Commercial ☐ Not used
☐ Irrigation ☐ Municipal ☐ Cooling & air conditioning

Final Status of Well

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

Location of Well

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



Audit No. Z 30277 — Date Well Completed YYYY 2004 MM 08 DD 06

Was the well owner's information package delivered? ☐ Yes ☒ No — Date Delivered YYYY MM DD

Well Contractor/Technician Information

Name of Well Contractor: All-Terrain Drilling Ltd. — Well Contractor's Licence No.: 1129

Business Address (street name, number, city etc.): 3-661 Colby Dr. Waterloo, ON N2V 1C2

Name of Well Technician (last name, first name): Girard, Troy, Pollice, Michael — Well Technician's Licence No.: 268

Signature of Technician/Contractor: X — Date Submitted YYYY 2005 MM 08 DD 10

Ministry Use Only

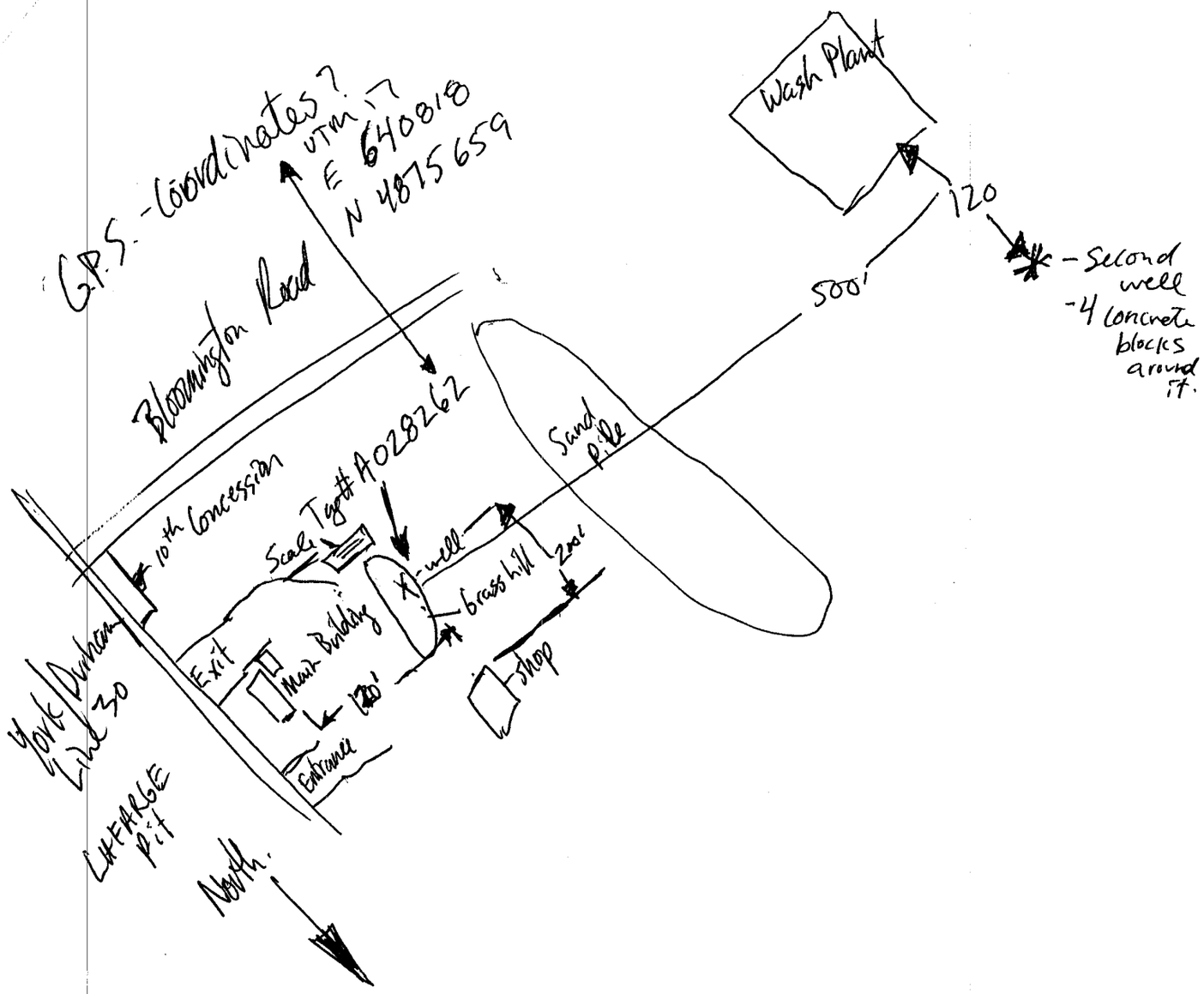
Data Source — Contractor 1129

Date Received YYYY MM DD: AUG 16 2005 — Date of Inspection YYYY MM DD

Remarks — Well Record Number

0506E (09/03) Contractor's Copy ☐ Ministry's Copy ☒ Well Owner's Copy ☐ *Cette formule est disponible en français*

A028262. - Lafarge - Stoufville Pit.



Ontario Ministry of the Environment

Well Tag Number: A 032892

A032892.

Well Record

Regulation 903 Ontario Water Resources Act

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Ministry Use Only

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Well Owner's Information and Location of Well Information

First Name	Last Name	Mailing Address (Street Number/Name, RR,Lot,Concession)
Durham	Region	

County/District/Municipality	Township/City/Town/Village	Province	Postal Code	Telephone Number (include area code)
		Ontario		

Address of Well Location (County/District/Municipality)	Township	Lot	Concession
Durham Region	Uxbridge	13	1

RR#/Street Number/Name	City/Town/Village	Site/Compartment/Block/Tract etc.
Uxville Ind Park	Uxbridge	

GPS Reading: NAD 83 | Zone 17 | Easting 641471 | Northing 4875541 | Unit Make/Model | Mode of Operation: ☐ Undifferentiated ☐ Averaged ☐ Differentiated, specify

Log of Overburden and Bedrock Materials (see instructions)

General Colour	Most common material	Other Materials	General Description	Depth From	Depth To (Metres)

Hole Diameter

Depth From	Metres To	Diameter Centimetres
38.1	0	5.08

Water Record

Water found at ___ Metres / Kind of Water

- ___ m ☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:
- ___ m ☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:
- ___ m ☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:

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

Chlorinated ☐ Yes ☐ No

Construction Record

Inside diam centimetres	Material	Wall thickness centimetres	Depth From	Depth To (Metres)
Casing				
160	☐ Steel ☐ Fibreglass ☒ Plastic ☐ Concrete ☐ Galvanized		38.1	0
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
Screen				
Outside diam	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	Slot No.		

No Casing or Screen

☐ Open hole

Test of Well Yield

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

Plugging and Sealing Record

☐ Annular space ☒ Abandonment

Depth set at - Metres From	Metres To	Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)
38.1	35	Silica Sand	
35	0	Cement	

Method of Construction

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

Water Use

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

Final Status of Well

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☐ Observation well ☐ Abandoned, insufficient supply ☐ Dewatering
☐ Test Hole ☐ Abandoned, poor quality ☐ Replacement well

Location of Well

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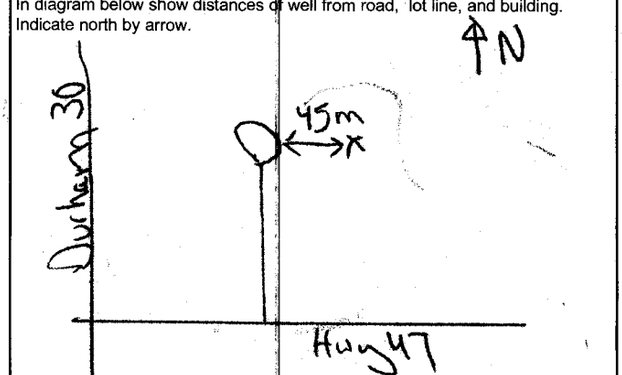

Audit No. Z 35831

Date Well Completed: YYYY 2005 MM 12 DD 23

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

Date Delivered YYYY MM DD

Well Contractor/Technician Information

Name of Well Contractor	Well Contractor's Licence No.
Wilson's Water Wells	5459

Business Address (street name, number, city etc.): 13787 Hwy 48 Stouffville

Name of Well Technician (last name, first name)	Well Technician's Licence No.
Kokkinen Derek	1075

Signature of Technician/Contractor: X

Date Submitted: YYYY 2006 MM 04 DD 19

Ministry Use Only

Data Source	Contractor
	5459
Date Received: YYYY MAR 24 2006 MM DD	Date of Inspection YYYY MM DD
Remarks	Well Record Number

0506E (09/03) Contractor's Copy ☐ Ministry's Copy ☐ Well Owner's Copy ☐

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Ontario Ministry of the Environment

Well Tag Number (A 032893

A032893

Well Record

Regulation 903 Ontario Water Resources Act

page ___ of ___

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Ministry Use Only

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Well Owner's Information and Location of Well Information

First Name	Last Name	Mailing Address (Street Number/Name, RR,Lot,Concession)
Durham	Region	

County/District/Municipality	Township/City/Town/Village	Province	Postal Code	Telephone Number (include area code)
		Ontario		

Address of Well Location (County/District/Municipality)	Township	Lot	Concession
Durham Region	Uxbridge	13	1

RR#/Street Number/Name	City/Town/Village	Site/Compartment/Block/Tract etc.
Uxville Ind Park	Uxbridge	

GPS Reading	NAD	Zone	Easting	Northing	Unit Make/Model	Mode of Operation:
	83	17	641469	4875547		☐ Undifferentiated ☐ Averaged ☐ Differentiated, specify

Log of Overburden and Bedrock Materials (see instructions)

General Colour	Most common material	Other Materials	General Description	Depth From	Depth To (Metres)

Hole Diameter

Depth From	Depth To (Metres)	Diameter (Centimetres)
0		5.08
7.62	0	

Water Record

Water found at ___ Metres / Kind of Water

___ m	☐ Fresh	☐ Salty	☐ Sulphur / ☐ Minerals
☐ Gas	☐ Other:		
___ m	☐ Fresh	☐ Salty	☐ Sulphur / ☐ Minerals
☐ Gas	☐ Other:		
___ m	☐ Fresh	☐ Salty	☐ Sulphur / ☐ Minerals
☐ Gas	☐ Other:		

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

Chlorinated ☒ Yes ☐ No

Construction Record

Inside diam centimetres	Material	Wall thickness centimetres	Depth From	Depth To (Metres)
Casing				
6.60	☐ Steel ☐ Fibreglass ☒ Plastic ☐ Concrete ☐ Galvanized		7.62	0
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
Screen				
Outside diam	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	Slot No.		
No Casing or Screen				
	☐ Open hole			

Test of Well Yield

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

Plugging and Sealing Record

☐ Annular space ☒ Abandonment

Depth set at - Metres From	Depth set at - Metres To	Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)
7.62	4.57	Silica Sand	
4.57	0	Cement	

Method of Construction

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

Water Use

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

Final Status of Well

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

Well Contractor/Technician Information

Name of Well Contractor	Well Contractor's Licence No.
Wilson's Water Wells	5459

Business Address (street name, number, city etc.)
13787 Hwy 48 Stouffville

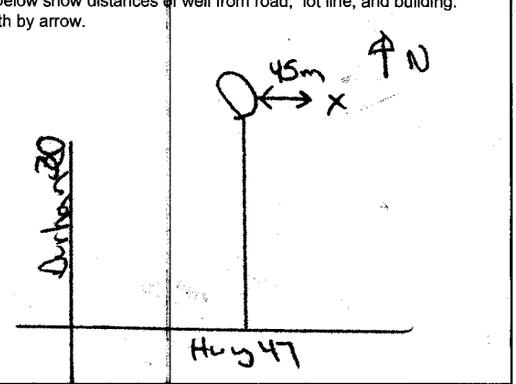
Name of Well Technician (last name, first name)	Well Technician's Licence No.
Rokkinen Derek	1075

Signature of Technician/Contractor: X

Date Submitted YYYY 2006 MM 02 DD 14

Location of Well

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



Audit No. Z 35830

Date Well Completed YYYY 2005 MM 12 DD 23

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

Date Delivered YYYY MM DD

Ministry Use Only

Data Source

Contractor 5459

Date Received MAR 24 2006

Date of Inspection YYYY MM DD

Remarks

Well Record Number

0506E (09/03) Contractor's Copy ☐ Ministry's Copy ☐ Well Owner's Copy ☐

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Ontario Ministry of the Environment

Well Tag Number: A 032887

A032887

Well Record

Regulation 903 Ontario Water Resources Act

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Well Owner's Information and Location of Well Information

First Name	Last Name	Mailing Address (Street Number/Name, RR,Lot,Concession)
Durham	Region	

County/District/Municipality	Township/City/Town/Village	Province	Postal Code	Telephone Number (include area code)
		Ontario		

Address of Well location (County/District/Municipality)	Township	Lot	Concession
Durham Region	Uxbridge	13	1

RR#/Street Number/Name	City/Town/Village	Site/Compartment/Block/Tract etc.
Uxville Ind. Park	Uxbridge	

GPS Reading: NAD 83 | Zone | Easting 641473 | Northing 4805527 | Unit Make/Model | Mode of Operation: ☐ Undifferentiated ☐ Averaged ☐ Differentiated, specify

Log of Overburden and Bedrock Materials (see instructions)

General Colour	Most common material	Other Materials	General Description	Depth From	Depth To (Metres)

Hole Diameter

Depth From	Depth To (Metres)	Diameter (Centimetres)
72.5	0	15.24

Water Record

Water found at ___ Metres / Kind of Water

- ___ m ☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:
- ___ m ☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:
- ___ m ☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:

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

Chlorinated ☑ Yes ☐ No

Construction Record

Inside diam centimetres	Material	Wall thickness centimetres	Depth From	Depth To (Metres)
Casing				
15.24	☑ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	.635	72.5	0
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
Screen				
Outside diam	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	Slot No.		
No Casing or Screen				
	☐ Open hole			

Test of Well Yield

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

Plugging and Sealing Record

☐ Annular space ☒ Abandonment

Depth set at - Metres From	To	Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)
72.5	69	Silica Sand	
69	2.43	Bentonite	
2.43	0	Dirt	

Method of Construction

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

Water Use

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

Final Status of Well

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

Well Contractor/Technician Information

Name of Well Contractor	Well Contractor's Licence No.
Wilson's Water Wells	5459

Business Address (street name, number, city etc.): 5787 Hwy 48 Stouffville

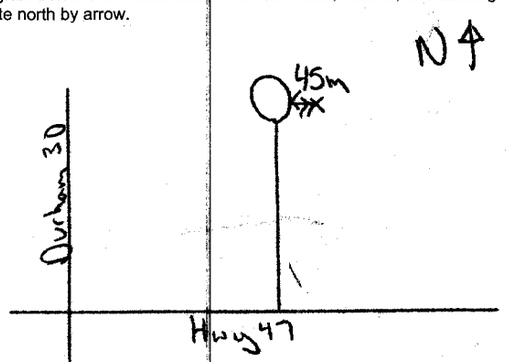
Name of Well Technician (last name, first name)	Well Technician's Licence No.
Kokkinen Derek	1075

Signature of Technician/Contractor: X

Date Submitted: YYYY 2006 MM 03 DD 14

Location of Well

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



Audit No. Z 35835

Date Well Completed: YYYY 2005 MM 12 DD 23

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

Date Delivered: YYYY MM DD

Ministry Use Only

Data Source | Contractor 5459

Date Received: YYYY MM DD MAR 24 2006 | Date of Inspection: YYYY MM DD

Remarks | Well Record Number

0506E (09/03)

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

Cette formule est disponible en français

Ontario Ministry of the Environment

Well Tag Number: A 032894

A032894

Well Record

Regulation 903 Ontario Water Resources Act

page ___ of ___

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- All Sections **must** be completed in full to avoid delays in processing. Further instructions and explanations are available on the back of this form.
- Questions regarding completing this application can be directed to the Water Well Management Coordinator at 416-235-6203.
- **All metre measurements shall be reported to 1/10th of a metre.**
- Please print clearly in blue or black ink only.

Ministry Use Only

MUN | CON | LOT

Well Owner's Information and Location of Well Information

First Name	Last Name	Mailing Address (Street Number/Name, RR,Lot,Concession)
Durham	Region	

County/District/Municipality	Township/City/Town/Village	Province	Postal Code	Telephone Number (include area code)
		Ontario		

Address of Well Location (County/District/Municipality)	Township	Lot	Concession
Durham Region	Uxbridge	13	1

RR#/Street Number/Name	City/Town/Village	Site/Compartment/Block/Tract etc.
Uxville Ind. Park	Uxbridge	

GPS Reading	NAD	Zone	Easting	Northing	Unit Make/Model	Mode of Operation:
	83	17	641469	4875547		☐ Undifferentiated ☐ Averaged ☐ Differentiated, specify

Log of Overburden and Bedrock Materials (see instructions)

General Colour	Most common material	Other Materials	General Description	Depth From	Depth To (Metres)

Hole Diameter

Depth From	Depth To (Metres)	Diameter (Centimetres)
5.48	0	5.08

Water Record

Water found at ___ Metres / Kind of Water

- ___ m ☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:
- ___ m ☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:
- ___ m ☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:

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

Chlorinated ☒ Yes ☐ No

Construction Record

Inside diam centimetres	Material	Wall thickness centimetres	Depth From	Depth To (Metres)
Casing				
.60	☐ Steel ☐ Fibreglass ☒ Plastic ☐ Concrete ☐ Galvanized		5.48	0
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
Screen				
Outside diam	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	Slot No.		

No Casing or Screen

☐ Open hole

Test of Well Yield

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

Plugging and Sealing Record

☐ Annular space ☒ Abandonment

Depth set at - Metres From	Depth set at - Metres To	Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)
5.48	2.43	Silica Sand	
2.43	0	Cement	

Method of Construction

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

Water Use

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

Final Status of Well

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

Well Contractor/Technician Information

Name of Well Contractor	Well Contractor's Licence No.
Dibsons Water Wells	5459

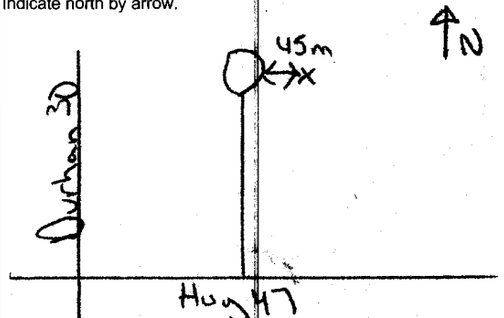
Business Address (street name, number, city etc.)	Name of Well Technician (last name, first name)	Well Technician's Licence No.
13787 Hwy 48 Stouffville	Hoffman, Derek	1073

Signature of Technician/Contractor: X

Date Submitted: YYYY 2006 MM 02 DD 14

Location of Well

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



Audit No.	Date Well Completed YYYY MM DD
Z 35834	2005 12 23
Was the well owner's information package delivered? ☐ Yes ☐ No	Date Delivered YYYY MM DD

Ministry Use Only

Data Source	Contractor
	5459
Date Received MAR 24 2006 YYYY MM DD	Date of Inspection YYYY MM DD
Remarks	Well Record Number

0506E (09/03) Contractor's Copy ☐ Ministry's Copy ☐ Well Owner's Copy ☐

Cette formule est disponible en français

Ontario Ministry of the Environment

Well Tag Number (Plate number below) A009216

A009216

Well Record

Regulation 903 Ontario Water Resources Act

page 1 of 1

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- **All metre measurements shall be reported to 1/10th of a metre.**
- Please print clearly in blue or black ink only.

Ministry Use Only

MUN | CON | LOT

Well Owner's Information and Location of Well Information

[redacted]

Address of Well Location (County/District/Municipality) 13 Anderson Blvd | Township 13

RR#/Street Number/Name | City/Town/Village Uxbridge | Site/Compartment/Block/Tract etc. Block 50

GPS Reading | NAD 83 | Zone | Easting 791374 | Northing 4401122 | Unit Make/Model Magellan Gold | Mode of Operation: ☐ Undifferentiated ☑ Averaged ☐ Differentiated, specify

Log of Overburden and Bedrock Materials (see instructions)

General Colour	Most common material	Other Materials	General Description	Depth From	Depth To (Metres)
Brown	silt	gravel, clay	Dense	0	5
Brown	sand	silt, gravel	loose	5	27.4

Hole Diameter

Depth From	Depth To (Metres)	Diameter (Centimetres)
0	27.4	20.5

Water Record

Water found at 23 Metres / Kind of Water

☐ m ☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:

☐ m ☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:

☐ m ☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:

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

Chlorinated ☐ Yes ☑ No

Construction Record

Inside diam centimetres	Material	Wall thickness centimetres	Depth From	Depth To (Metres)
Casing				
5	☐ Steel ☐ Fibreglass ☑ Plastic ☐ Concrete ☐ Galvanized	.75	0	24.4
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
Screen				
Outside diam 6.5	☐ Steel ☐ Fibreglass ☒ Plastic ☐ Concrete ☐ Galvanized	Slot No. .010	24.4	27.4
No Casing or Screen				
	☐ Open hole			

Test of Well Yield

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

Plugging and Sealing Record ☑ Annular space ☐ Abandonment

Depth set at - Metres From	To	Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)
0	24.4	Bentonite Slurry	1
24.4	27.4	#3 sand	.15

Method of Construction

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

Water Use

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

Final Status of Well

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

Well Contractor/Technician Information

Name of Well Contractor: Groundwork Drilling Inc. | Well Contractor's Licence No.: 7091

Business Address (street name, number, city etc.): 28 Taber Rd Toronto M9W 3A5

Name of Well Technician (last name, first name): Bertram, Ryce | Well Technician's Licence No.: T-3165

Signature of Technician/Contractor: X [signature] | Date Submitted: YYYY 2005 MM 12 DD 15

Location of Well

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

see attached.

Audit No. Z 09236 | Date Well Completed: YYYY 2005 MM 11 DD 24

Was the well owner's information package delivered? ☐ Yes ☒ No | Date Delivered YYYY MM DD

Ministry Use Only

Data Source | Contractor 7091

Date Received APR 27 2006 | Date of Inspection YYYY MM DD

Remarks | Well Record Number

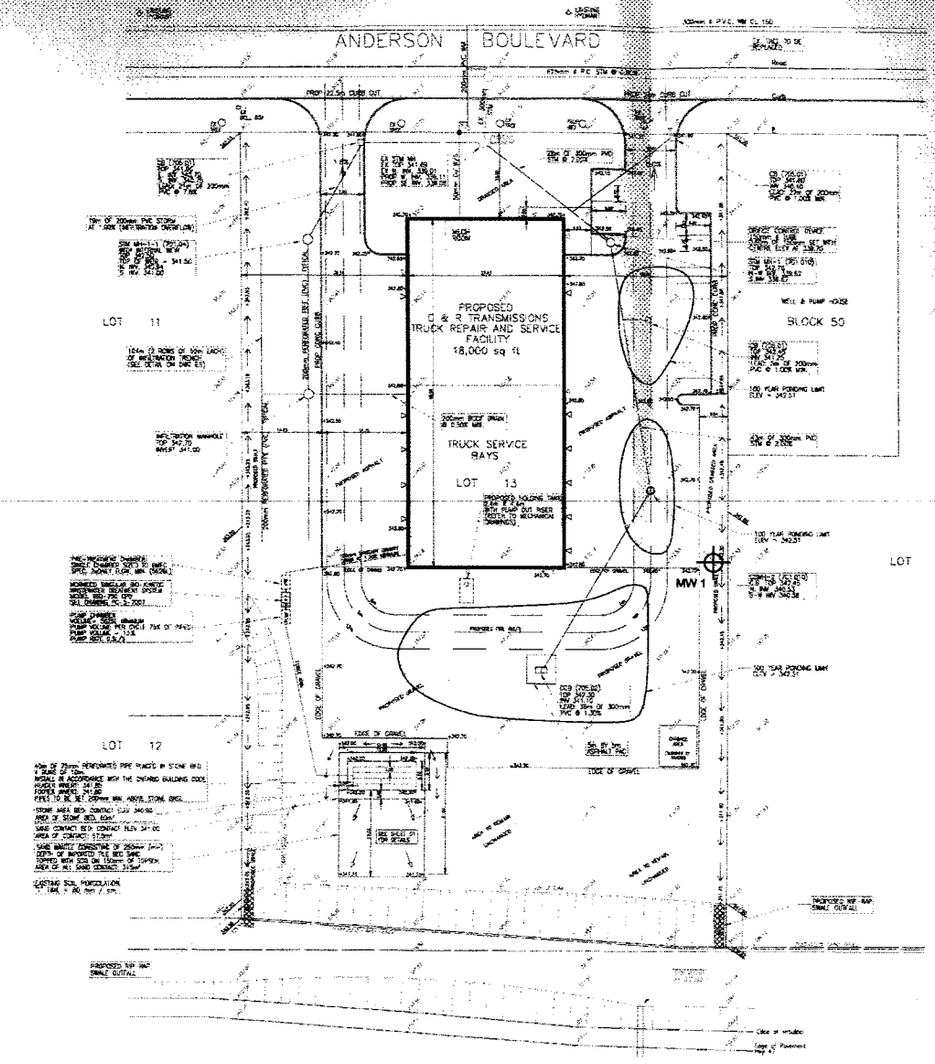
0506E (09/03) Contractor's Copy ☐ Ministry's Copy ☒ Well Owner's Copy ☐ *Cette formule est disponible en français*

7091

2.09236

APR 27 2006

Drawing file: N:\CAD\2004\1182\04-1182-093\received Dec 7 05\04-1182-093-003 FIG 2005\12 Groundwater MW Loc Uxbridge - FIG 1.dwg Dec 08, 2005 - 10:01am



CONSTRUCTION NORTH

ALL LOCATIONS ARE APPROXIMATE

LEGEND

GROUNDWATER MONITORING WELL LOCATION IN PLAN

REFERENCE

Base plan from Roberts Bell Engineering Ltd.; Drawing No. GS, dated Sept. 2/04

PROJECT: C&R Transmission Service
13 Anderson Boulevard
Uxbridge, Ontario

TITLE: **GROUNDWATER MONITORING WELL LOCATION PLAN**

Golder Associates
Whitby, Ontario

PROJECT No. 04-1182-093			FILE No.	003
DESIGN			SCALE AS SHOWN	REV.
CADD	JJJ	Dec. 2005		
CHECK			**FIGURE 1**	
REVIEW				

Ontario Ministry of the Environment

Well Tag Number: A 032730
A 032730

Well Record
Regulation 903 Ontario Water Resources Act

page ___ of ___

Instructions for Completing Form

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- **All metre measurements shall be reported to 1/10th of a metre.**
- Please print clearly in blue or black ink only.

Ministry Use Only
MUN | CON | LOT

Well Owner's Information and Location of Well Information

First Name	Last Name	Mailing Address (Street Number/Name, RR,Lot,Concession)
Durham	Region	

County/District/Municipality	Township/City/Town/Village	Province	Postal Code	Telephone Number (include area code)
		Ontario		

Address of Well Location (County/District/Municipality)	Township	Lot	Concession
Durham	Uxbridge	13	1

RR#/Street Number/Name	City/Town/Village	Site/Compartment/Block/Tract etc.
Uxbridge Sand Park	Uxbridge	

GPS Reading: NAD 83 | Zone 17 | Easting 641778 | Northing 4875628 | Unit Make/Model | Mode of Operation: ☐ Undifferentiated ☐ Averaged ☐ Differentiated, specify

Log of Overburden and Bedrock Materials (see instructions)

General Colour	Most common material	Other Materials	General Description	Depth From	Depth To (Metres)

Hole Diameter

Depth From	Depth To (Metres)	Diameter (Centimetres)

Water Record

Water found at ___ Metres / Kind of Water

___ m ☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other: _____

___ m ☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other: _____

___ m ☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other: _____

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

Chlorinated ☒ Yes ☐ No

Construction Record

Inside diam centimetres	Material	Wall thickness centimetres	Depth From	Depth To (Metres)
Casing				
5.08	☑ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	.135	61.87	0
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
Screen				
Outside diam	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	Slot No.		
No Casing or Screen				
	☐ Open hole			

Test of Well Yield

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

Plugging and Sealing Record
☐ Annular space ☒ Abandonment

Depth set at - Metres From	To	Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)
61.87	57.9	Silica Sand	
57.9	45.7	Bentonite	
45.7	0	Cement	

Method of Construction

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

Water Use

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

Final Status of Well

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

Well Contractor/Technician Information

Name of Well Contractor	Well Contractor's Licence No.
Wilsons Water Wells	5459

Business Address (street name, number, city etc.): 13787 Hwy 48 Stouffville

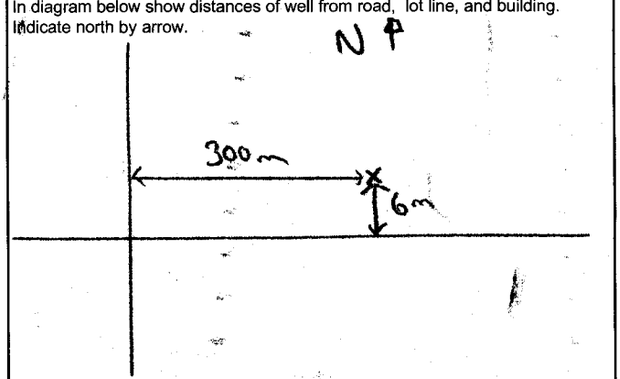
Name of Well Technician (last name, first name)	Well Technician's Licence No.
Kokkinos Derek	1075

Signature of Technician/Contractor: x

Date Submitted: YYYY 2006 MM 05 DD 17

Location of Well

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



Audit No. Z 35881

Date Well Completed: YYYY 2006 MM 05 DD 12

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

Date Delivered: YYYY MM DD

Ministry Use Only

Data Source | Contractor: 5459

Date Received: JUN 15 2006 | Date of Inspection: YYYY MM DD

Remarks | Well Record Number

0506E (09/03) Contractor's Copy ☐ Ministry's Copy ☐ Well Owner's Copy ☐

Cette formule est disponible en français

UTM | 17 | Z | 6 14 09 7 12 | E
| 5 | R | 4 8 7 5 6 8 4 | N

Elev. | 7 | R | | |

Basin | 24 | | |

WATER WELL RECORD

The Ontario Water Resources Commission Act

GROUND WATER BRANCH
46 No. 2712
ONTARIO WATER RESOURCES COMMISSION

County or District ..... Township, Village, Town or City .....

Con. ..... Lot ..... Date completed ..... (day) (month) (year)

Owner [redacted] (print in block letters) Address .....

Casing and Screen Record

Inside diameter of casing .....

Total length of casing .....

Type of screen .....

Length of screen .....

Depth to top of screen .....

Diameter of finished hole .....

Pumping Test

Static level .....

Test-pumping rate ..... G.P.M.

Pumping level .....

Duration of test pumping .....

Water clear or cloudy at end of test .....

Recommended pumping rate ..... G.P.M.

with pump setting of ..... feet below ground surface

Well Log

Overburden and Bedrock Record	From ft.	To ft.	Water Record: Depth(s) at which water(s) found	Water Record: Kind of water (fresh, salty, sulphur)

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

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

Drilling or Boring Firm .....

Address .....

Licence Number .....

Name of Driller or Borer .....

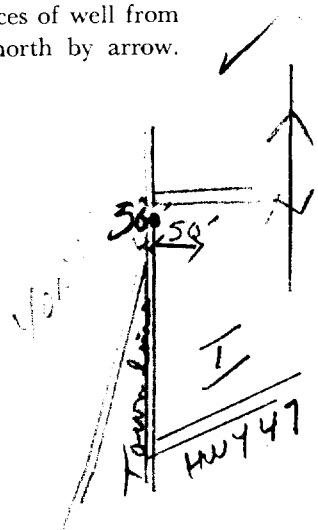
Address .....

Date .....

(Signature of Licensed Drilling or Boring Contractor)

Location of Well

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



Form 7 15M-60-4138

CSS 58

O W R C COPY

UTM | 17 | Z | 6416915 | E 1950
9 | R | 4875982 | N

Elev. | 9 | R | | | | |

Basin | 24 | | | |

4

ONTARIO

46 No. 2713

RECEIVED JUL 25 195_ GEOLOGICAL BRANCH DEPARTMENT OF MINES

The Well Drillers Act

Department of Mines, Province of Ontario

Water Well Record

County or Territorial District ... Ontario ... Township, ~~Village, Town or City~~ ... Uxbridge ...

[redacted] Town or City) ...

[redacted] s ... Stouffville ...

Date Completed ... July (day) ... (month) ... 50 (year) ... Cost of Well (excluding pump) ...

Pipe and Casing Record		Pumping Test	
Casing diameter(s)	2 inch	Date	July 1950
Length(s) of casing(s)	100	Static level	90 ft
Type of screen	Tuller	Pumping level	90 ft
Length of screen	5 feet	Pumping rate	5 gallon per minute
Distance from top of screen to ground level	95 feet	Duration of test	5 hours
Is well a gravel-wall type?	sand	Distance from cylinder or bowls to ground level	

Water Record

Kind (fresh or mineral) ... Fresh

Quality (hard, soft, contains iron, sulphur, etc.) ... hard

Appearance (clear, cloudy, coloured) ... clear

For what purpose(s) is the water to be used? ... house & stock

How far is well from possible source of contamination? ... 100 feet

What is the source of contamination? ... out house

Enclose a copy of any mineral analysis that has been made of water ...

Depth(s) to Water Horizon(s)	Kind of Water	No. of Feet Water Rise
90		~~75~~

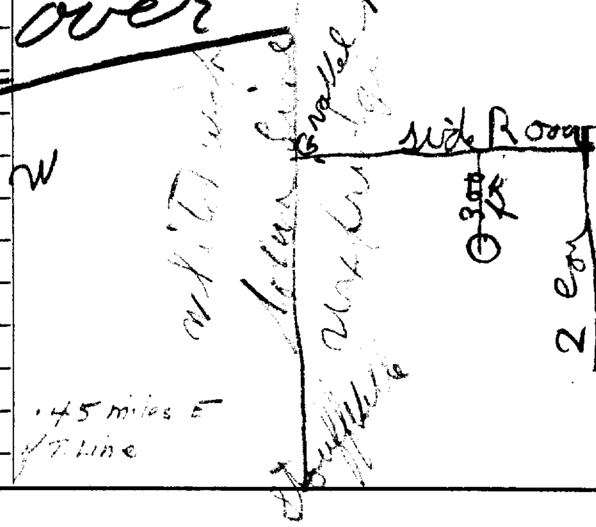
Well Log

Overburden and Bedrock Record	From	To
Loam	0 ft.	5 ft.
sand & clay mixed	5	80
Dry sand	80	90
Water sand	91	100

Location of Well

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

see over



Situation: Is well on upland, in valley, or on hillside? ...

Drilling Firm ... Delos Graham

Address ...

Name of Driller ... Address ...

Date ... Licence Number ...

Delos Graham

Signature of Licensee

FORM 5

CSS.S8

The Ontario Water Resources Commission Act

WATER WELL RECORD

Water management in Ontario

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 | 4604231 | MUNICIP. 46009 | CON. CON | 01

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC.	LOT
ONTARIO	UXBRIDGE	1	012

OWNER (SURNAME FIRST)	ADDRESS	DATE COMPLETED
CENTURY CITY	12 Sheppard Ave Toronto	DAY 16 MO 09 YR 69

21 | UTM ZONE 17 | EASTING 641550 | NORTHING 4874470 | RC. 4 | ELEVATION 965 | RC. 6 | BASIN CODE 24

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH – FEET FROM	DEPTH – FEET TO
Brown	Top soil			0'	1'
Brown	Clay	sand + gravel	dense	0'	15'
Brown	Sand	gravel + boulders	loose	15'	21'
Grey	Clay	sand + gravel	dense	21'	44'
Grey	Silt		soft	44'	51'
Grey	Clay	sand + gravel	layered	51'	55'
Grey	Clay	silt, sand + gravel	layered	55'	73'
Brown	Sand	gravel, clay	packed	73'	81'
Grey	Clay	gravel	hard	81'	140'

31 | 0001|602 | 0015|0509/11 | 0021|6091/1/13 | 0044|2051/9/11 | 0051|2051/9/11 | 0055|2051/9/11

32 | 0073|2061/9 | 0081|6091/1/51 | 0140|2051/1/1

41 WATER RECORD

WATER FOUND AT – FEET	KIND OF WATER
0015'	1 ☒ FRESH 3 ☐ SULPHUR; 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR; 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR; 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR; 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR; 2 ☐ SALTY 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH – FEET FROM	DEPTH – FEET TO
06"	1 ☐ STEEL; 2 ☐ GALVANIZED; 3 ☐ CONCRETE; 4 ☒ OPEN HOLE			13-16
	1 ☐ STEEL; 2 ☐ GALVANIZED; 3 ☐ CONCRETE; 4 ☐ OPEN HOLE			20-23
	1 ☐ STEEL; 2 ☐ GALVANIZED; 3 ☐ CONCRETE; 4 ☐ OPEN HOLE			27-30

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET
NA		

MATERIAL AND TYPE: NA — DEPTH TO TOP OF SCREEN FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT – FEET FROM	DEPTH SET AT – FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
10-13	14-17	
18-21	NA 22-25	
26-29	30-33	

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☐ PUMP NA 2 ☐ BAILER	FLOW 9 GPM	NA 15-16 HOURS 17-18 MINS.

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
ABOVE GROUND FEET	NA FEET	1 ☐ PUMPING 2 ☐ RECOVERY	FEET	NA FEET	FEET	FEET

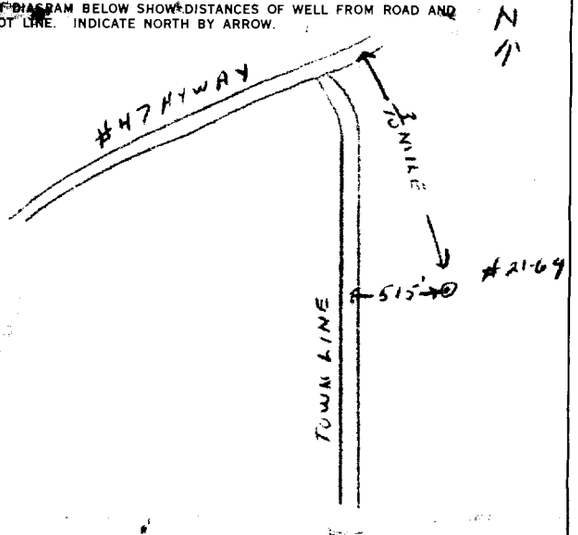
IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
0003 GPM.	NA FEET	1 ☒ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☐ SHALLOW NA ☐ DEEP	NA FEET	NA GPM.

50-53 ABANDONED FOR CITY SITE

LOCATION OF WELL

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



DRILLERS REMARKS:

FINAL STATUS OF WELL	1 ☐ WATER SUPPLY; 2 ☐ OBSERVATION WELL; 3 ☒ TEST HOLE; 4 ☐ RECHARGE WELL; 5 ☐ ABANDONED, INSUFFICIENT SUPPLY; 6 ☐ ABANDONED, POOR QUALITY; 7 ☐ UNFINISHED
WATER USE 09	1 ☐ DOMESTIC; 2 ☐ STOCK; 3 ☐ IRRIGATION NA; 4 ☐ INDUSTRIAL; ☐ OTHER; 5 ☐ COMMERCIAL; 6 ☐ MUNICIPAL; 7 ☐ PUBLIC SUPPLY; 8 ☐ COOLING OR AIR CONDITIONING; 9 ☒ NOT USED
METHOD OF DRILLING	1 ☐ CABLE TOOL; 2 ☒ ROTARY (CONVENTIONAL); 3 ☐ ROTARY (REVERSE); 4 ☐ ROTARY (AIR); 5 ☐ AIR PERCUSSION; 6 ☐ BORING; 7 ☐ DIAMOND; 8 ☐ JETTING; 9 ☐ DRIVING

CONTRACTOR

NAME OF WELL CONTRACTOR: International Water Supply Co — LICENCE NUMBER: 3397

ADDRESS: 12 Maitland St. London

NAME OF DRILLER OR BORER: Howard Peterman — LICENCE NUMBER: —

SIGNATURE OF CONTRACTOR — SUBMISSION DATE: DAY 20 MO. Nov YR. 69

OWRC COPY

OFFICE USE ONLY

DATA SOURCE	CONTRACTOR	DATE RECEIVED
1	2801	011269

DATE OF INSPECTION — INSPECTOR: P/E office loc.

REMARKS: CSS.S8

T.B.

The Ontario Water Resources Commission Act

WATER WELL RECORD

Water management in Ontario

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 (1 2) | 4604233 | MUNICIP. 460 09 (10 14) | CON. C ϕ N (15 22 23 24) | 01

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC.	LOT (25-27)
ONTARIO	UXBRIDGE	1	~~12~~ 012

OWNER (SURNAME FIRST) (28-47)	ADDRESS	DATE COMPLETED (48-53)
CENTURY CITY	12 Sheppard St Toronto	DAY 03 MO ~~Oct~~ 10 YR ~~1967~~ 69

21 (1 2) | UTM ZONE 17 (10) | EASTING 641600 (12 17) | NORTHING ~~4874580~~ 4874520 (18 24) | RC. ~~2~~ 1 (25) | ELEVATION ~~696~~ 665 ASL (26 29) | RC. 6 (30) | BASIN CODE 24 (31 47) | II | III | IV

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH – FEET FROM	DEPTH – FEET TO
Brown	C clay	gravel	dense	0'	11'
Brown	fine	gravel	loose	11'	18'
Brown	fine	gravel, clay	packed	18'	34'
Grey	C clay	sand	soft.	34'	108'
Grey	C clay	sand, gravel	dense	108'	179'
Grey	C clay	gravel	packed	179'	253'
Grey	limestone	clay	packed	253'	270'
Grey	fine C clay	gravel	packed	270'	285'
Grey	gravel	clay	packed	285'	300'
Grey	C clay	gravel	packed	300'	305'

31 | 00 11 60 S 11 | 00 18 09 W | 00 34 09 W 10 S | 01 08 S 20 S 09 | 01 29 20 S 09 W | 02 S 32 0 S 11 | 1

32 (1 2) | 02 27 0 3 1 1 0 S (10 14 15) | 02 8 S 20 S 1 1 (21) | 03 0 0 2 1 1 0 S (32) | 01 30 S 20 S 1 1 (43) | (54) | (65) | (75) | (80)

41 WATER RECORD

WATER FOUND AT – FEET	KIND OF WATER
0034' (10-13)	1 ☒ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
(15-18)	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
(20-23)	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
(25-28)	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
(30-33)	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH – FEET FROM	DEPTH – FEET TO
OH (10-11)	1 ☒ STEEL (12) 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE		0'	~~34~~ 0034 (13-16)
(17-18)	1 ☐ STEEL (19) 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			(20-23)
(24-25)	1 ☐ STEEL (26) 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			(27-30)

SCREEN

SIZE(S) OF OPENING (SLOT NO.) (31-33)	DIAMETER (34-38)	LENGTH (39-40)
~~18 SLOT~~ 125	04.000 INCHES	07' FEET

MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN (41-44)
Steel	0034 FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT – FEET FROM	DEPTH SET AT – FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
NA (10-13)	(14-17)	
	(22-25)	
(26-29)	(30-33) (80)	

71 PUMPING TEST

PUMPING TEST METHOD (10)	PUMPING RATE (11-14)	DURATION OF PUMPING (15-16 HOURS, 17-18 MINS.)
1 ☒ PUMP 2 ☐ BAILER	~~75~~ 0002 GPM.	01 HOURS 00 MINS.

STATIC LEVEL (19-21)	WATER LEVEL END OF PUMPING (22-24)	WATER LEVELS DURING (25) 1 ☐ PUMPING 2 ☒ RECOVERY
024 FEET	~~75~~ FEET	15 MINUTES (26-28) ~~004~~ FEET; 30 MINUTES (29-31) FEET; 45 MINUTES (32-34) FEET; 60 MINUTES (35-37) FEET

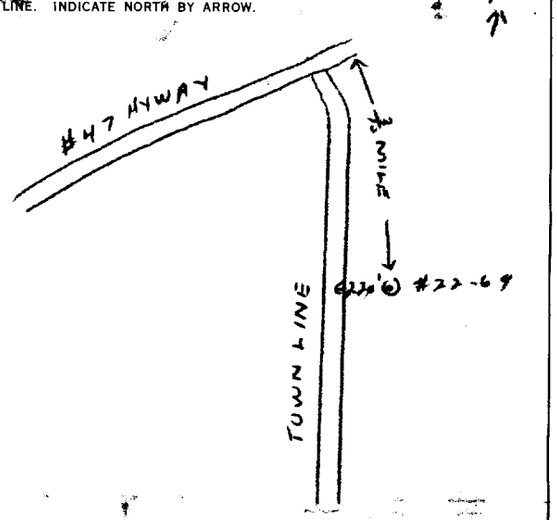
IF FLOWING, GIVE RATE (38-41)	PUMP INTAKE SET AT	WATER AT END OF TEST (42)
NA GPM.	30 FEET	1 ☐ CLEAR 2 ☒ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING (43-45)	RECOMMENDED PUMPING RATE (46-49)
☐ SHALLOW NA ☐ DEEP	~~NA~~ FEET	~~NA~~ GPM.

(50-53) _____ GPM./FT. SPECIFIC CAPACITY

LOCATION OF WELL

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



DRILLERS REMARKS:

54 FINAL STATUS OF WELL	1 ☐ WATER SUPPLY 2 ☒ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED
55-56 WATER USE 09	1 ☐ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ~~NA~~ 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING ☐ OTHER 9 ☒ NOT USED
57 METHOD OF DRILLING	1 ☐ CABLE TOOL 2 ☒ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☐ ROTARY (AIR) 5 ☐ AIR PERCUSSION 6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING

CONTRACTOR

NAME OF WELL CONTRACTOR	LICENCE NUMBER
International Water Supply Co	3397
ADDRESS	
12 Maitland St. London	
NAME OF DRILLER OR BORER	LICENCE NUMBER
Howard Peterman	—
SIGNATURE OF CONTRACTOR	SUBMISSION DATE
	DAY 29 MO. Nov YR. 69

OWRC COPY

OFFICE USE ONLY

DATA SOURCE (58)	CONTRACTOR (59-62)	DATE RECEIVED (63-68) (80)
1	2801	011269

DATE OF INSPECTION	INSPECTOR
	W.F. Wells Co

REMARKS: CSS.S8

J.B.

The Ontario Water Resources Commission Act

WATER WELL RECORD

31D/3E

Water management in Ontario

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 | 4604893 | MUNICIP. 46009 | CON. GOVT | 01

COUNTY OR DISTRICT: ONTARIO

TOWNSHIP, ~~BOROUGH, CITY, TOWN, VILLAGE~~: UXBRIDGE

CON., BLOCK, TRACT, SURVEY, ETC.: I

LOT: 015

DATE COMPLETED: DAY 30 MO ~~NOV~~ YR. 71

[redacted] FOREST HEIGHTS BLVD WILLOWDALE

UTM ZONE | 17 | 0175830 | RC. 4 | ELEVATION 1150 | RC. 5 | BASIN CODE 24

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH – FEET FROM	DEPTH – FEET TO
BROWN	SAND		LOOSE	0	6
BROWN	CLAY		DENSE	6	44
BROWN	GRAUEL		DRY	44	65
RED	SAND		DRY	65	86
RED	SAND	CLAY	CEMENTED	86	123
RED	SAND		COARSE CLEAN	123	139

31 | 0006699 | 9944605 | 0065611 | 0086709 | 9123709ast | 0139200

32

41 WATER RECORD

WATER FOUND AT FEET	KIND OF WATER
0139	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH – FEET FROM	DEPTH – FEET TO
~~SIX~~ 05	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	188	0	~~136~~ 0135
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
014	05.000 INCHES	04 FEET

MATERIAL AND TYPE: ~~STAINLESS STEEL~~

DEPTH TO TOP OF SCREEN: 0135 ~~129~~ FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT – FEET FROM	DEPTH SET AT – FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
0	~~129~~	~~LEAD PACKER~~

71 PUMPING TEST

PUMPING TEST METHOD: 1 ☒ PUMP 2 ☐ BAILER

PUMPING RATE: 0009 GPM. DURATION OF PUMPING: 02 HOURS 00 MINS.

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 1 ☒ PUMPING 2 ☐ RECOVERY	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
085 FEET	090 FEET		090 FEET	090 FEET	090 FEET	090 FEET

IF FLOWING, GIVE RATE: GPM.

PUMP INTAKE SET AT: 110 FEET

WATER AT END OF TEST: 1 ☒ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE: ☐ SHALLOW ☒ DEEP

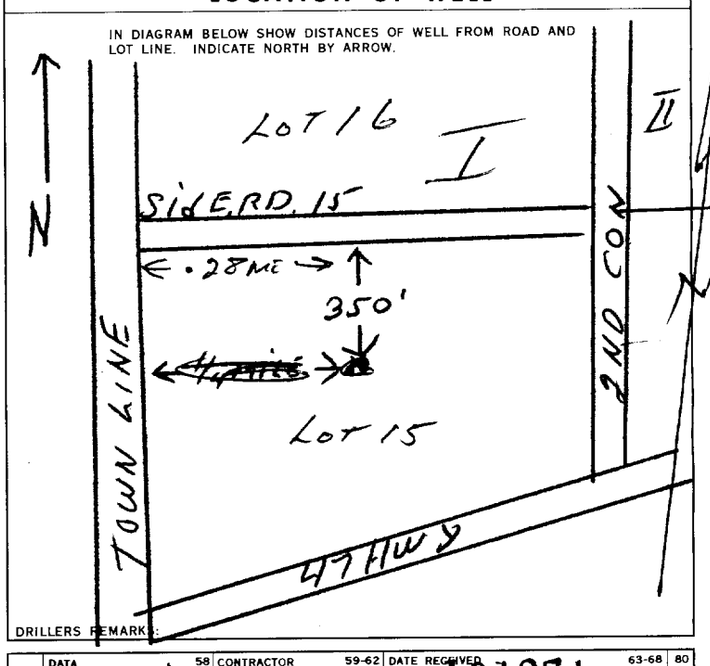
RECOMMENDED PUMP SETTING: 110 FEET

RECOMMENDED PUMP RATE: 0006 GPM.

0018 GPM./FT. SPECIFIC CAPACITY

LOCATION OF WELL

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



DRILLERS REMARKS:

FINAL STATUS OF WELL

1 ☒ WATER SUPPLY
2 ☐ OBSERVATION WELL
3 ☐ TEST HOLE
4 ☐ RECHARGE WELL
5 ☐ ABANDONED, INSUFFICIENT SUPPLY
6 ☐ ABANDONED, POOR QUALITY
7 ☐ UNFINISHED

WATER USE

1 ☒ DOMESTIC
2 ☒ STOCK
3 ☐ IRRIGATION
4 ☐ INDUSTRIAL
☐ OTHER
5 ☐ COMMERCIAL
6 ☐ MUNICIPAL
7 ☐ PUBLIC SUPPLY
8 ☐ COOLING OR AIR CONDITIONING
9 ☐ NOT USED

12

METHOD OF DRILLING

1 ☐ CABLE TOOL
2 ☒ ROTARY (CONVENTIONAL)
3 ☐ ROTARY (REVERSE)
4 ☐ ROTARY (AIR)
5 ☐ AIR PERCUSSION
6 ☐ BORING
7 ☐ DIAMOND
8 ☐ JETTING
9 ☐ DRIVING

CONTRACTOR

NAME OF WELL CONTRACTOR: R.F. BOADWAY — LICENCE NUMBER: 1413

ADDRESS: Box 347 SUTTON WEST ONT.

NAME OF DRILLER OR BORER: R.F. BOADWAY — LICENCE NUMBER:

SIGNATURE OF CONTRACTOR: R. F. Boadway — SUBMISSION DATE: DAY 30 MO ~~NOV~~ YR. 71

OWRC COPY

OFFICE USE ONLY

DATA SOURCE: 1 | CONTRACTOR: 1413 | DATE RECEIVED: 101271

DATE OF INSPECTION: June 30/72 | INSPECTOR: J.B.

REMARKS: CSS.88

P/J.B. WI

UTM: 9 640900 unplottable
9 9999999 E
9 9999999 N

Elev. 9 R 1/1/00

Basin 22

ONTARIO

3773

RECEIVED
JUL 22 1969
GEOLOGICAL BRANCH
DEPARTMENT of MINES

No. 8399

The Well Drillers Act
Department of Mines, Province of Ontario

Water Well Record

WHITCHURCH-STOUFFVILLE

York County, Township, ~~Village, Town or City~~: Whitchurch

[redacted] Town or City) Stouffville

Date Completed .... (day) (month) (year) Cost of Well (excluding pump) ....

Pipe and Casing Record

Casing diameter(s) 4"
Length(s) of casing(s) 231 feet
Type of screen 12 ft.
Length of screen 12"
Distance from top of screen to ground level 227
Is well a gravel-wall type? no

Pumping Test

Date
Static level 90 feet
Pumping level 100 feet
Pumping rate 12 G.P.M.
Duration of test
Distance from cylinder or bowls to ground level

Water Record

Kind (fresh or mineral) fresh
Quality (hard, soft, contains iron, sulphur, etc.) hard
Appearance (clear, cloudy, coloured) clear
For what purpose(s) is the water to be used? drinking etc
How far is well from possible source of contamination? none
What is the source of contamination? none
Enclose a copy of any mineral analysis that has been made of water

Depth(s) to Water Horizon(s)	Kind of Water	No. of Feet Water Rises
231	hard	141

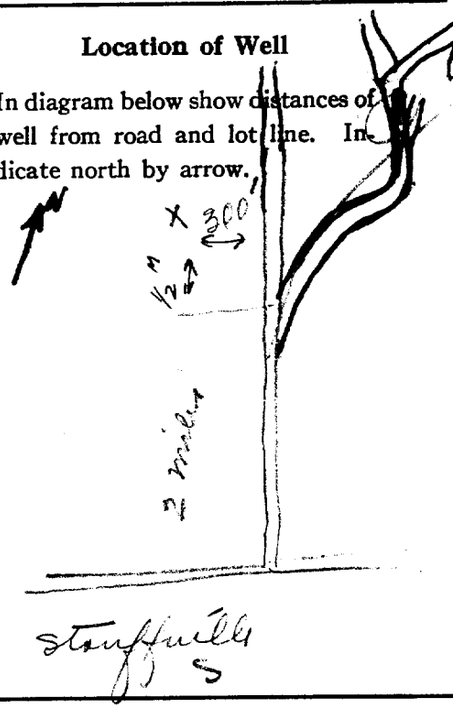
Well Log

Overburden and Bedrock Record	From	To
	0 ft.	....ft.
sand & small amt of gravel,	0	240

(W.

Location of Well

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



Situation: Is well on upland, in valley, or on hillside? upland
Drilling Firm A. Bradberry
Address Vivona
Name of Driller [redacted] Address Unionville
Date Licence Number

Signature of Licensee

FORM 5

CSS.58

UTM 17 Z 641011 E
5 R 4875283 N
Elev. 5 R 1075 1115 KS
Basin 24

3103b but plotted on 3103NE

GROUND WATER BRANCH No. 8401
APR 28 1960
ONTARIO WATER RESOURCES COMMISSION

The Ontario Water Resources Commission Act, 1957

WATER WELL RECORD

County or District YORK Township, Village, Town or City WHITCHURCH-STOUFFVILLE (WHITCHURCH)

[redacted] completed 1 (day) April (month) 60 (year)

ess Stouffville

Casing and Screen Record

Inside diameter of casing 4"
Total length of casing 84'
Type of screen Cook
Length of screen 4'
Depth to top of screen 81'
Diameter of finished hole 4½

Pumping Test

Static level 73'
Test-pumping rate 10 G.P.M.
Pumping level 74'
Duration of test pumping 2 hrs
Water clear or cloudy at end of test clear
Recommended pumping rate 10 G.P.M.
with pumping level of ~~73~~ 74'

Well Log

Overburden and Bedrock Record	From ft.	To ft.
clay	1	45
clay & sand streaks	45	63
gravel & sand	63	73
gravel	73	88

full locker with 2" tap
full screen with 3" tap

Water Record

Depth(s) at which water(s) found	No. of feet water rises	Kind of water (fresh, salty, sulphur)
73'	0	fresh

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

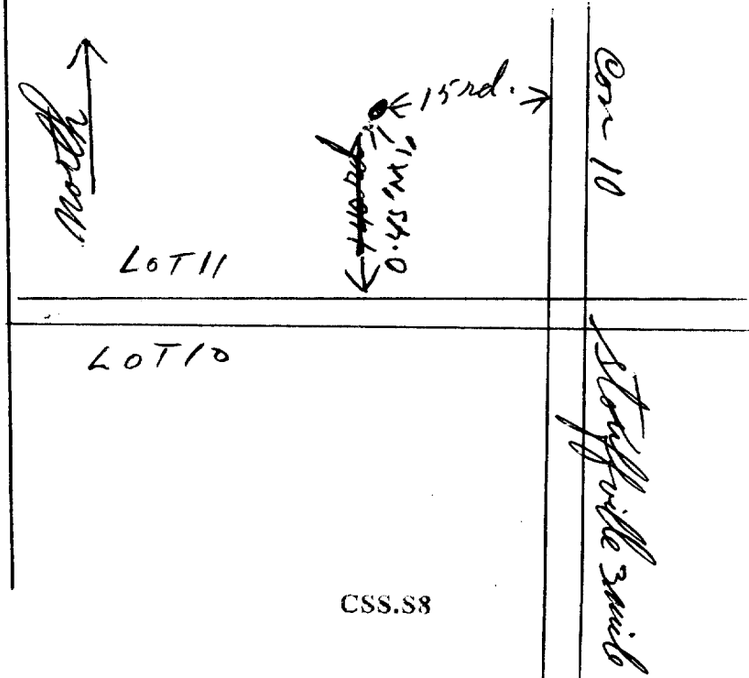
Is well on upland, in valley, or on hillside? hillside

Drilling Firm W. F. Garbutt
Address Stouffville

Licence Number 619
Name of Driller James Freeman
Address Stouffville
Date 1st April
W. F. Garbutt
(Signature of Licensed Drilling Contractor)

Location of Well

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



CSS.S8

3036

GROUND WATER BRANCH
AUG 20 1963
ONTARIO WATER RESOURCES COMMISSION

8478

UTM: 17 Z 641384 E
9 R 4874367 N

The Ontario Water Resources Commission Act

WATER WELL RECORD

Elev. 1025 R 10 Lot 24 Con 9

Basin 24 York

County or District

Whitchurch-Stouffville
Township, Village, Town or City

Date completed 7 Aug 63
(day) (month) (year)

[redacted] RR#3 Stouffville

Casing and Screen Record

Inside diameter of casing 34"

Total length of casing 30'

Type of screen

Length of screen

Depth to top of screen

Diameter of finished hole 34"

Pumping Test

Static level 5'

Test-pumping rate 3 G.P.M.

Pumping level

Duration of test pumping

Water clear or cloudy at end of test clear

Recommended pumping rate 2 G.P.M.

with pump setting of 27 feet below ground surface

Well Log

Overburden and Bedrock Record	From ft.	To ft.	Water Record: Depth(s) at which water(s) found	Water Record: Kind of water (fresh, salty, sulphur)
Dark topsoil sandy	0	1		
yellow sandy clay	1	9		
Blue sandy clay	9	22		
gravel & boulders 6-12"	22	25	25	fresh
grey clay	25	29		

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

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

Drilling or Boring Firm Wilsons Well Digging

Address RR#2 Goodwood Ont

Licence Number 1002

Name of Driller or Borer none

Address

Date Aug 14/63

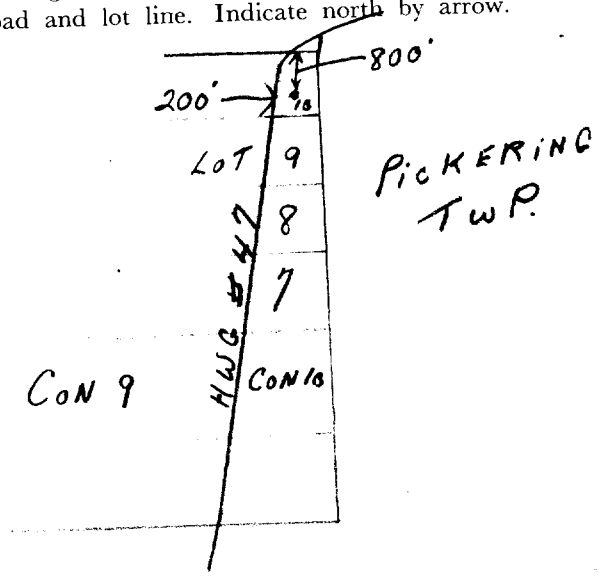
William Wilson
(Signature of Licensed Drilling or Boring Contractor)

Form 7 10M-62-1152

OWRC COPY

Location of Well

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



CSS.58

UTM 17 Z 641000 E

95 ~~Coll 8X~~ 5378 N

Elev. ~~560 7.25~~ 1120 KS

Basin 24

31D36

69 № ~~8479~~ B

The Ontario Water Resources Commission Act

WATER WELL RECORD

WHITCHURCH-STOUFFVILLE

County or District YORK Township, Village, Town or City (WHITCHURCH)

[redacted] Date completed 17 (day) MAY (month) 66 (year)

[redacted]ess Stouffville Ont.

Casing and Screen Record

Inside diameter of casing	4"
Total length of casing	196'
Type of screen	16 SLOT
Length of screen	4'4"
Depth to top of screen	196'
Diameter of finished hole	4"

Pumping Test

Static level	110'
Test-pumping rate	8 G.P.M.
Pumping level	160'
Duration of test pumping	10 HRS.
Water clear or cloudy at end of test	CLEAR
Recommended pumping rate	8 G.P.M.
with pump setting of	175' feet below ground surface

Well Log

Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
TOP SOIL	0'	2'	190'	FRESH
BROWN SAND	2'	30'		
DRY GRAVEL	30'	80'		
STONES, SAND & CLAY	80'	190'		
FINE SAND	190'	196'		
COURSE SAND	196'	200'		

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

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

Drilling or Boring Firm McCAWLEY WATER WELLS

Address 31 MACHELL AVE AURORA

Licence Number 2247

Name of Driller or Borer W. Blaine McCauley

Address 31 Machell Ave. Aurora

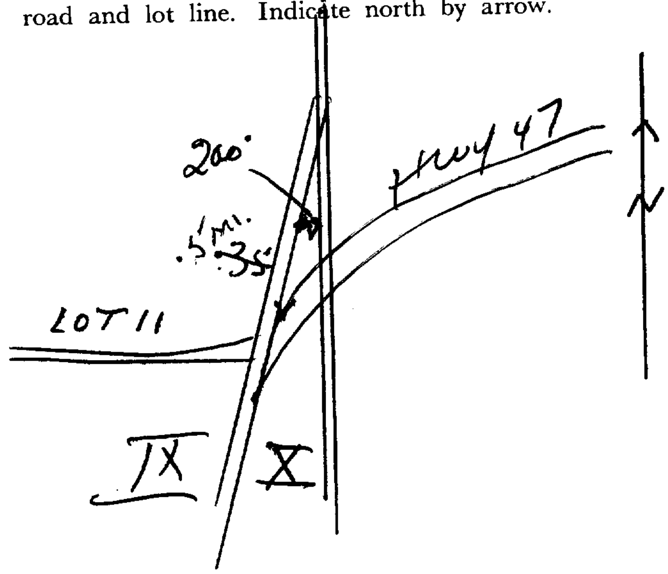
Date May 17/66

W Blaine McCauley

(Signature of Licensed Drilling or ~~Boring~~ Contractor)

Location of Well

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



Form 7 15M-60-4138

CSS.S8

OWRC COPY

TM |1|7| |6|4|1|0|0|0| 31D3

|4|R |4|8|7|5|2|3|7|

lev. |5|R |1|1|1|1|6|

Basin |2|4| |1|1|1|

CODED

Water management in Ontario

6909140

The Ontario Water Resources Commission Act

WATER WELL RECORD

WHITCHURCH-STOUFFVILLE

County or District [illegible] York ..... Township, Village, Town or City [illegible]

Date completed [illegible] (day) April (month) [illegible] (year)

Con. [illegible] Lot 13

[redacted] ess R.R. Stouffville

Casing and Screen Record

SB

Inside diameter of casing 6 ¼"

Total length of casing [illegible]

Type of screen Stainless Steel

Length of screen 3 ft

Depth to top of screen [illegible]

Diameter of finished hole 6

Pumping Test

Static level [illegible]

Test-pumping rate [illegible] G.P.M.

Pumping level [illegible]

Duration of test pumping [illegible]

Water clear or cloudy at end of test

Recommended pumping rate [illegible] G.P.M.

with pump setting of [illegible] feet below ground surface

Well Log

Overburden and Bedrock Record	From ft.	To ft.
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]

Water Record

Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)

For what purpose(s) is the water to be used? [illegible]

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

Drilling or Boring Firm [illegible]

[illegible] Newmarket

Address

Licence Number [illegible]

Name of Driller or Borer [illegible]

Address Newmarket

Date April [illegible]

[illegible signature]

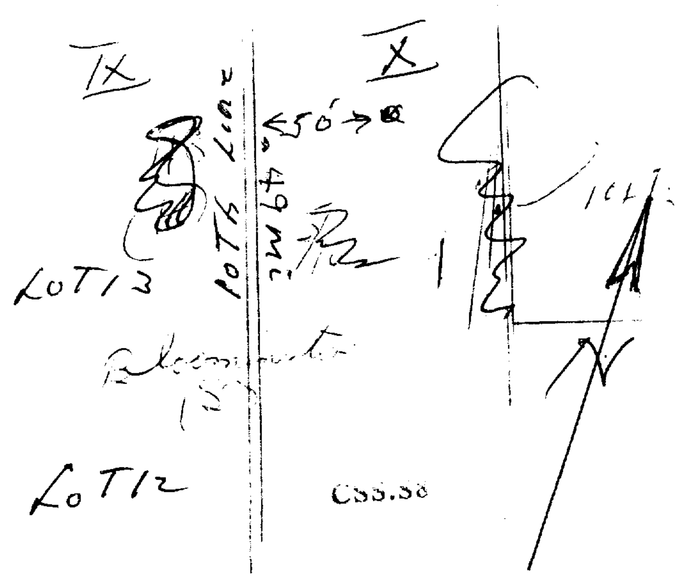
(Signature of Licensed Drilling or Boring Contractor)

Form 7

OWRC COPY

Location of Well

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



:M 1 1 7 L 6 4 1 1 0 1 2 5 CODED

4 R 4 8 1 7 5 1 1 4 6

:ev. 5 R 1 1 1 1 1 0

:sin 2 4 1

31D/3 #3

6909165 PB

3 9

Water management in Ontario

The Ontario Water Resources Commission Act

WATER WELL RECORD

WHITCHURCH-STOUFFVILLE

County or District YORK

Township, Village, Town or City (WHITCHURCH)

Con. 10 X Lot ~~11~~ 12 13 Date completed 3 (day) APRIL (month) 1969 (year)

[redacted] ress STOUFFVILLE ONT.

Casing and Screen Record

Inside diameter of casing 5 1/4"

Total length of casing 92'

Type of screen GRAVEL

Length of screen

Depth to top of screen

Diameter of finished hole 5 1/2 O.D.

Pumping Test

Static level 72

Test-pumping rate 10 G.P.M.

Pumping level 75

Duration of test pumping 2 HRS

Water clear or cloudy at end of test CLEAR

Recommended pumping rate 6 G.P.M.

with pump setting of 84 feet below ground surface

Well Log

Overburden and Bedrock Record	From ft.	To ft.	Water Record: Depth(s) at which water(s) found	Water Record: Kind of water (fresh, salty, sulphur)
gravely clay	0	26		
dry gravel	26	68		
dry sand	68	72		
gravly clay	72	90		
gravel	90	92	92	fresh

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

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

Drilling or Boring Firm R. J. Boadway

Address Box 397 Sutton West Ont

Licence Number 3236

Name of Driller or Borer R. Powell

Address Sutton

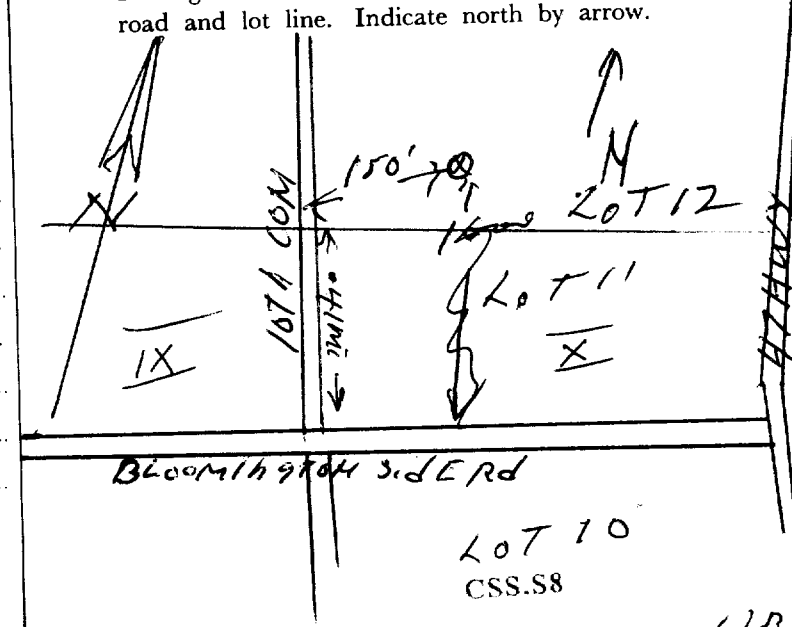
Date April 3/69

R. J. Boadway

(Signature of Licensed Drilling or Boring Contractor)

Location of Well

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



Form 7

OWRC COPY

S.C-10.B

Water management in Ontario

6909908

31D36

The Ontario Water Resources Commission Act

WATER WELL RECORD

WHITCHURCH-STOUFFVILLE

Township, Village, Town or City Whitchurch

Date completed 7 (day) Jan (month) 1970 (year)

Address Stouffville, Ont

Casing and Screen Record

Inside diameter of casing 4

Total length of casing 98'

Type of screen 12 slot

Length of screen 4'

Depth to top of screen 98'

Diameter of finished hole 4 inch

Pumping Test

Static level 70'

Test-pumping rate 5 G.P.M.

Pumping level 90

Duration of test pumping 4 hr

Water clear or cloudy at end of test clear

Recommended pumping rate 5 G.P.M.

with pump setting of 90 feet below ground surface

Well Log

Overburden and Bedrock Record	From ft.	To ft.	Water Record: Depth(s) at which water(s) found	Water Record: Kind of water (fresh, salty, sulphur)
till	0	2	98-102	untested
blue clay	2	55		
gravel	55	70		
sand gravel	70	102		

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

Domestic

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

Drilling or Boring Firm Northern Well Drilling Ltd.

Address Armitage

Licence Number 3903

Name of Driller or Borer J. O'Rourke

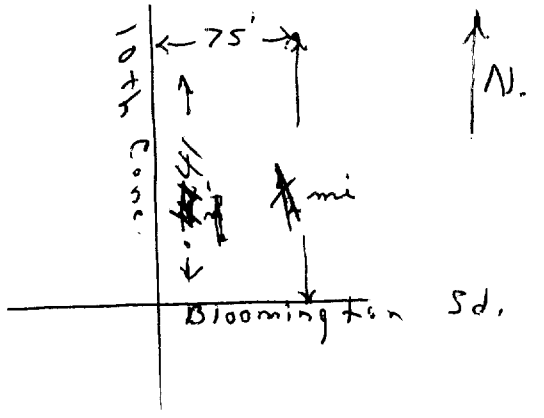
Address Armitage

Date July 16/70

(Signature of Licensed Drilling or Boring Contractor)

Location of Well

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



Form 7

OWRC COPY

CSS.S8

950
17 - 640 ~~61510~~

4875500
| 4 | R ~~487515100x,~~

5 ~~4~~ R 11140

31D36 ~~21-32~~

6909909
3 9

Water management in Ontario

The Ontario Water Resources Commission Act

WATER WELL RECORD

WHITCHURCH-STOUFFVILLE

County or District 24 York Township, Village, Town or City (Whitchurch)

Con. 10 Lot ~~12~~ 13 Date completed 6 (day) Feb. (month) 1970 (year)

[redacted]ress Stouffville, Ontario

Casing and Screen Record

Inside diameter of casing 4"

Total length of casing 206'

Type of screen 12 slot

Length of screen 4'

Depth to top of screen 206'

Diameter of finished hole 4 inch

Pumping Test

Static level 100'

Test-pumping rate 5 G.P.M.

Pumping level 200'

Duration of test pumping 4 hr.

Water clear or cloudy at end of test

Recommended pumping rate 5 G.P.M.

with pump setting of 200' feet below ground surface

Well Log

Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
Till	0	2'	206-210	untested
Brown ~~Blue~~ clay	2'	60'		
Brown gravel	60'	80'		
Blue clay	80'	160'		
hardpan	160'	180'		
blue clay	180	204'		
sand & gravel	204'	210'		

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

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

Drilling or Boring Firm Northern Well Drilling Ltd.

Address Armitage

Licence Number 3903

Name of Driller or Borer J. O'Rourke

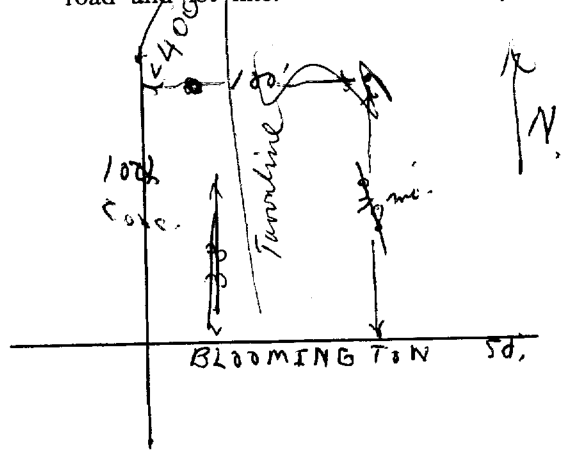
Address Armitage

Date July 16/70

(Signature of Licensed Drilling or Boring Contractor)

Location of Well

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



Form 7

WRC COPY

CSS.S8

31D/3E b

The Ontario Water Resources Commission Act

WATER WELL RECORD

Water management in Ontario

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11

6909956 | MUNICIP. 69009 | CON. GON 10

COUNTY OR DISTRICT [redacted] | TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE (WHITCHURCH) WHITCHURCH-STOUFFVILLE | CON., BLOCK, TRACT, SURVEY, ETC. CON 10 | LOT 010

DATE COMPLETED DAY 27 MO. ~~08~~ 04 YR. 70

[redacted] TOUFFVILLE

RC. 4 | ELEVATION 1075 | RC. | BASIN CODE 24

21 | M | 641150 | 4874450 | 4 | 1075 | 5

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH – FEET FROM	DEPTH – FEET TO
brown	clay	some stones	surface	0'	18'
brown	gravel	some sand	loose	18'	39'
brown	sand	coarse	loose	39'	50'

31 | 00186 05 12 | 00396 11 09 | 00510 610

32

41 WATER RECORD

WATER FOUND AT – FEET	KIND OF WATER
0039	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
~~39~~ 50'	
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH – FEET FROM	DEPTH – FEET TO
34"	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☒ CONCRETE 4 ☐ OPEN HOLE	2½	0	~~50~~ 0050'
~~34~~				
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET
MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN FEET	

61 PLUGGING & SEALING RECORD

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

71 PUMPING TEST

PUMPING TEST METHOD: 1 ☐ PUMP 2 ☐ BAILER | PUMPING RATE: ~~No test~~ GPM. | DURATION OF PUMPING: HOURS MINS.

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 1 ☐ PUMPING 2 ☐ RECOVERY	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
040 FEET	~~40~~ FEET		OVER NIGHT FEET	FEET	FEET	FEET

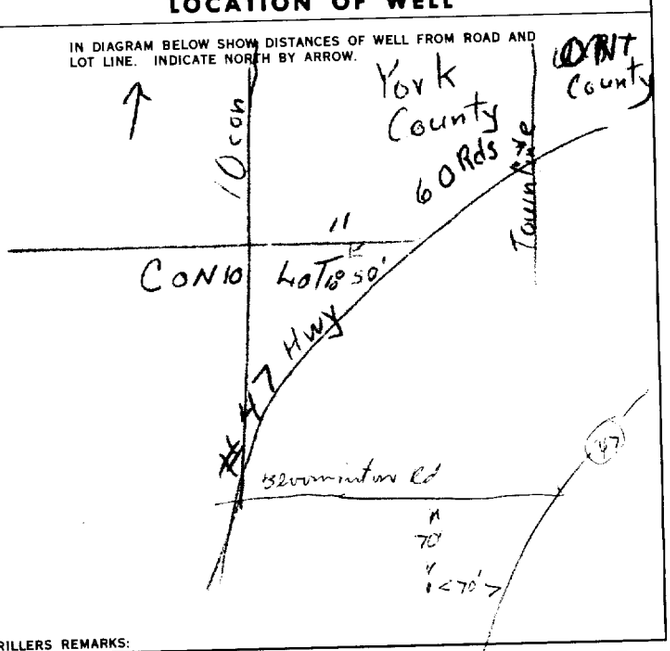
IF FLOWING, GIVE RATE: GPM. | PUMP INTAKE SET AT: FEET | WATER AT END OF TEST: 1 ☒ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE: ☐ SHALLOW ☒ DEEP | RECOMMENDED PUMP SETTING: 045 FEET | RECOMMENDED PUMPING RATE: 0008 GPM.

GPM./FT. SPECIFIC CAPACITY

LOCATION OF WELL

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



DRILLERS REMARKS:

FINAL STATUS OF WELL (54)
1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED

WATER USE (55-56) 01
1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED

METHOD OF DRILLING (57)
1 ☐ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☐ ROTARY (AIR) 5 ☐ AIR PERCUSSION 6 ☒ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING

CONTRACTOR

NAME OF WELL CONTRACTOR: Wilson Water Wells Limited | LICENCE NUMBER: 5459

ADDRESS: R. R. #2 Gormley

NAME OF DRILLER OR BORER: Abner Saunders | LICENCE NUMBER:

SIGNATURE OF CONTRACTOR: William Wilson | SUBMISSION DATE: DAY 20 MO. 07 YR. 70

OFFICE USE ONLY

DATA SOURCE 1 | CONTRACTOR 5459 | DATE RECEIVED 270770

DATE OF INSPECTION | INSPECTOR P/F

REMARKS:

J.B.

OWRC COPY

Ministry of the Environment

Ontario

The Ontario Water Resources Act

WATER WELL RECORD

3103E

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 | 6314269 | MUNICIP 69009 | CON. CON 09

COUNTY OR DISTRICT [redacted] | TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE Uxbridge Stouffville TX | CON., BLOCK, TRACT, SURVEY, ETC. | LOT 014

[redacted] P.O. Box 1029 Stouffville Ont. | DATE COMPLETED DAY 04 MO 10 YR 77

75600 | RC 5 | ELEVATION 1140 | BASIN CODE 140

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	TO
brown	sand			0	40'
brown	clay	sandy		40'	50'
brown	clay	gravel & sand layers		50'	75'
brown	sand		brick sand	75'	87'
grey	gravel		dry	87'	95'
brown	sand			95'	100'
brown	sand		fine	100'	131'
brown	sand		coarse	131'	138'

VO

31 | 0040628 | 0050628 | 0075605 | 1128 | 0087628 | 0095211168 | 0100628

32 | 0131608 | 0138610

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
~~100-138~~ 0100	1 ☒ FRESH 3 ☐ SULPHUR; 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR; 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR; 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR; 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR; 2 ☐ SALTY 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	TO
~~6~~ 6	1 ☒ STEEL; 2 ☐ GALVANIZED; 3 ☐ CONCRETE; 4 ☐ OPEN HOLE	.188	I.A.G.	~~135~~ 0135
	1 ☐ STEEL; 2 ☐ GALVANIZED; 3 ☐ CONCRETE; 4 ☐ OPEN HOLE			
	1 ☐ STEEL; 2 ☐ GALVANIZED; 3 ☐ CONCRETE; 4 ☐ OPEN HOLE			

VO

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
~~#18~~ 018	06 000 INCHES	03' FEET

MATERIAL AND TYPE: Stainless Steel | DEPTH TO TOP OF SCREEN: 0135 FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
10-13	14-17	
18-21	22-25	
26-29	30-33	

71 PUMPING TEST

PUMPING TEST METHOD: 1 ☐ PUMP 2 ☒ BAILER | PUMPING RATE: 0020 GPM | DURATION OF PUMPING: 01 HOURS 00 MINS

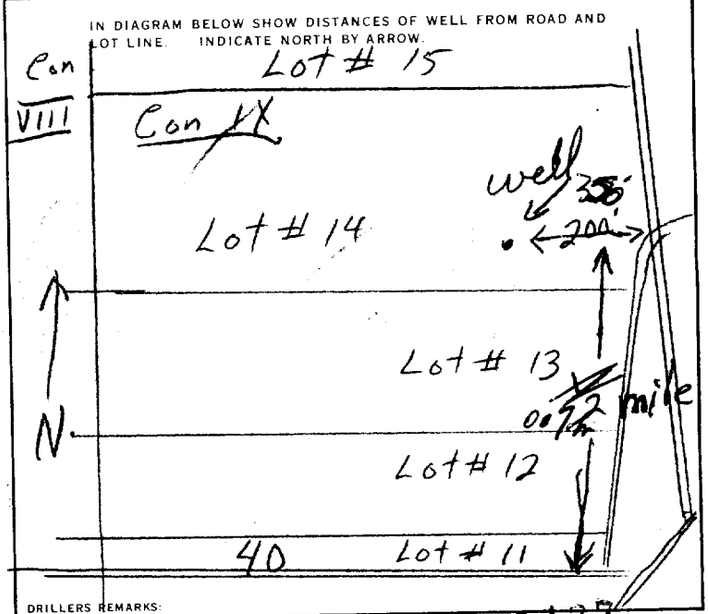
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 1 ☐ PUMPING 2 ☒ RECOVERY	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
100 FEET	102' FEET		100 FEET	FEET	FEET	FEET

IF FLOWING, GIVE RATE: GPM | PUMP INTAKE SET AT: FEET | WATER AT END OF TEST: 1 ☒ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE: ☐ SHALLOW ☒ DEEP | RECOMMENDED PUMP SETTING: 110 ~~120~~ FEET | RECOMMENDED PUMPING RATE: 0015 GPM

LOCATION OF WELL

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



DRILLERS REMARKS:

FINAL STATUS OF WELL

1 ☒ WATER SUPPLY; 2 ☐ OBSERVATION WELL; 3 ☐ TEST HOLE; 4 ☐ RECHARGE WELL; 5 ☐ ABANDONED, INSUFFICIENT SUPPLY; 6 ☐ ABANDONED, POOR QUALITY; 7 ☐ UNFINISHED

WATER USE 01

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

METHOD OF DRILLING 1

1 ☒ CABLE TOOL; 2 ☐ ROTARY (CONVENTIONAL); 3 ☐ ROTARY (REVERSE); 4 ☐ ROTARY (AIR); 5 ☐ AIR PERCUSSION; 6 ☐ BORING; 7 ☐ DIAMOND; 8 ☐ JETTING; 9 ☐ DRIVING

CONTRACTOR

NAME OF WELL CONTRACTOR: Sauder Well Drilling Ltd. | LICENCE NUMBER: 4743

ADDRESS: R.R. #4 Uxbridge Ontario

NAME OF DRILLER OR BORER: Earl Sauder | LICENCE NUMBER

SIGNATURE OF CONTRACTOR: Ab. Sauder | SUBMISSION DATE: DAY 28 MO. 10 YR 77

OFFICE USE ONLY

DATA SOURCE 1 | CONTRACTOR 4743 | DATE RECEIVED 3011 77

DATE OF INSPECTION: March 78 | INSPECTOR

REMARKS: owner advised - Novent - Dry well has filled partially up with CSS158

FORM NO. 0506-4-77

MINISTRY OF THE ENVIRONMENT COPY

The Ontario Water Resources Commission Act

WATER WELL RECORD

Water management in Ontario

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(11) 6914906 MUNICIP. 69009 CON. CON 09

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC.	LOT
YORK	Whitchurch	9th Con IX	9 010

[redacted] RI-STOUFFVILLE. DATE COMPLETED DAY 29 MO 06 June YR. 78

[redacted] 74350 RC 5 ELEVATION 1075 RC. 5 BASIN CODE 24

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH – FEET FROM	TO
	clay			0	15
	gravel			15	30
	sand			30	40
	[illegible]			40	50

(31) 0015 05 | 0030 11 | 0040 28 | 0050 28

32

(41) WATER RECORD

WATER FOUND AT – FEET	KIND OF WATER
0040	1 ☒ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL

(51) CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH – FEET FROM	TO
02	1 ☐ STEEL 2 ☒ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	1/8		
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

SCREEN

SIZE(S) OF OPENING (SLOT NO.) 060 DIAMETER 01250 INCHES LENGTH 05 FEET

MATERIAL AND TYPE: sand DEPTH TO TOP OF SCREEN 0045 FEET

PLUGGING & SEALING RECORD

DEPTH SET AT – FEET FROM	TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
~~0~~	~~40~~	

(71) PUMPING TEST

PUMPING TEST METHOD: 1 ☒ PUMP 2 ☐ BAILER — PUMPING RATE 0005 GPM — DURATION OF PUMPING 02 HOURS 00 MINS.

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
FEET	FEET	FEET	FEET	FEET	FEET

1 ☐ PUMPING 2 ☐ RECOVERY

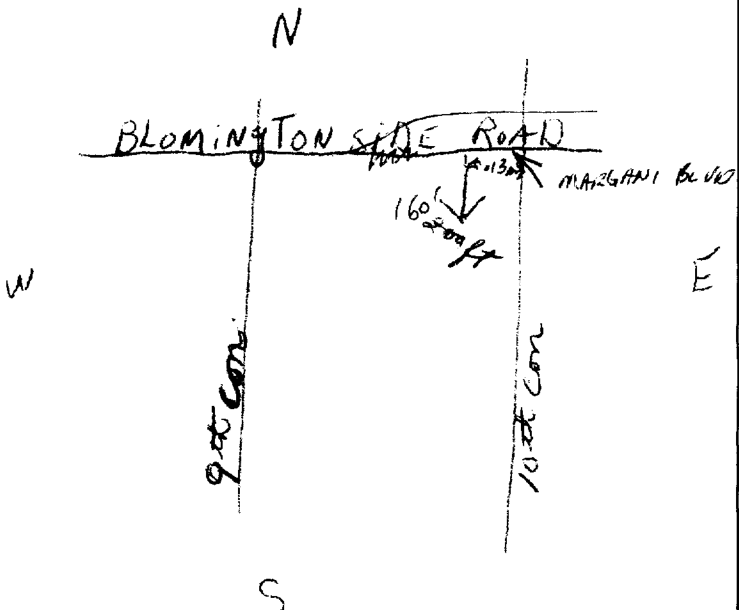
IF FLOWING, GIVE RATE ___ GPM. PUMP INTAKE SET AT ___ FEET. WATER AT END OF TEST: 1 ☒ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE: ☐ SHALLOW ☒ DEEP. RECOMMENDED PUMP SETTING ___ FEET. RECOMMENDED PUMPING RATE ___ GPM.

___ GPM./FT. SPECIFIC CAPACITY

LOCATION OF WELL

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



DRILLERS REMARKS:

FINAL STATUS OF WELL — 1

1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED

WATER USE — 01

1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED

METHOD OF DRILLING — 1

1 ☒ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☐ ROTARY (AIR) 5 ☐ AIR PERCUSSION 6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING

CONTRACTOR

NAME OF WELL CONTRACTOR: TOM WHITE — LICENCE NUMBER 5417

ADDRESS: RR 2 STOUFFVILLE

NAME OF DRILLER OR BORER: — LICENCE NUMBER

SIGNATURE OF CONTRACTOR: Tom White — SUBMISSION DATE DAY 24 MO Jan YR 79

OFFICE USE ONLY

DATA SOURCE 1 CONTRACTOR 5417 DATE RECEIVED 070279

DATE OF INSPECTION INSPECTOR

REMARKS: loc only 05/12/79

P 58 WI

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Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

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11 6915061 MUNICIP 69009 CON. CON 10 31035E

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC	LOT	DATE COMPLETED
[redacted]	Tehkumah RR#2 Stouffville	CON 10	012	DAY 27 MO 10 YR 78

UTM ZONE 17 | EASTING 675100 | NORTHING 5 | ELEVATION 1100 | DC 5 | BASIN CODE 24

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
Topsoil				0	2
brown	sand	clay		2	20
"	gravel			20	48
"	sand			48	55
"	gravel			55	61
"	sand			61	75
"	gravel			75	81
Blue	clay	stones		81	210
"	gravel			210	213

31 0007 02 0026280S 0981611287A 0210305 12 0213111

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0210	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
06	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	1.88	0	0210
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET	MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN FEET
025	06000	03	SS	0210

61 PLUGGING & SEALING RECORD

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

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☐ PUMP 2 ☒ BAILER	0020 GPM	HOURS MINS

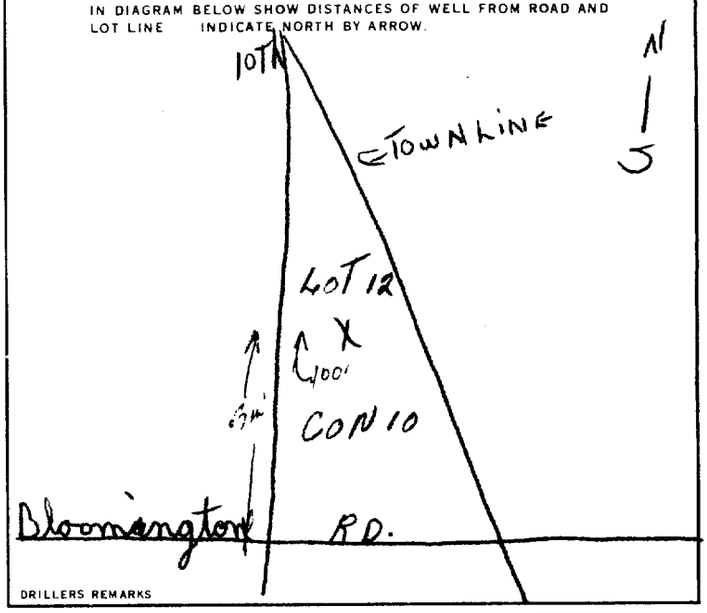
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING	1 ☒ PUMPING 2 ☐ RECOVERY			
		15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES	
080 FEET	110 FEET	090 FEET	100 FEET	110 FEET	110 FEET	

IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
GPM	110 FEET	1 ☒ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☐ SHALLOW ☒ DEEP	110 FEET	0020 GPM

LOCATION OF WELL

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



DRILLERS REMARKS

FINAL STATUS OF WELL 1	1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED
WATER USE 01	1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED
METHOD OF DRILLING 1	1 ☒ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☐ ROTARY (AIR) 5 ☐ AIR PERCUSSION 6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING

CONTRACTOR

NAME OF WELL CONTRACTOR: Wilson water wells — LICENCE NUMBER: 5459

ADDRESS: RR#1 Orangeville

NAME OF DRILLER OR BORER: Norm Rennie — LICENCE NUMBER:

SIGNATURE OF CONTRACTOR: William Wilson — SUBMISSION DATE: DAY ____ MO ____ YR ____

OFFICE USE ONLY

DATA SOURCE 1 | CONTRACTOR 5459 | DATE RECEIVED 250679

DATE OF INSPECTION | INSPECTOR

REMARKS: for only 05/12/79 CSS.88

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The Ontario Water Resources Act

WATER WELL RECORD

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11 6918797 MUNICIP. CON.

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC.	LOT
York	W. GWILLIMBURY	CON 10	11

[redacted] RR # 3 Stouffville 14015 10th Conc.

DATE COMPLETED: DAY 29 MO 5 YR 87

7,5,2,0,4 RC ELEVATION 340 RC BASIN CODE

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
Brown	clay	sand		0	37
"	gravel			37	54
"	sand		coarse	54	69
"	"	clay		69	77
"	"		"	77	86

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
77	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6 1/4	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	1.88	0	82
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
20	6 INCHES	4 FEET

MATERIAL AND TYPE: 55

DEPTH TO TOP OF SCREEN: 82 FEET

61 PLUGGING & SEALING RECORD

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

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☐ PUMP 2 ☒ BAILER	10 GPM	1 HOURS 30 MINS

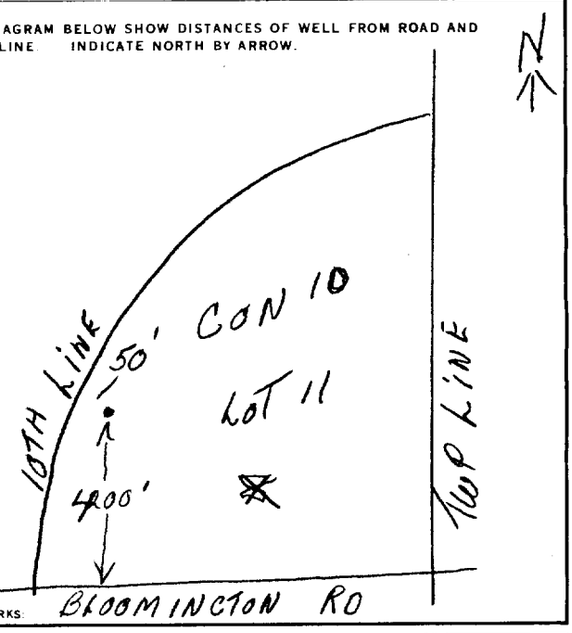
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING (1 ☒ PUMPING 2 ☐ RECOVERY)	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
64 FEET	70 FEET		60 FEET	62 FEET	64 FEET	65 FEET

IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
GPM	75 FEET	1 ☒ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☐ SHALLOW ☒ DEEP	75 FEET	10 GPM

LOCATION OF WELL

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



DRILLERS REMARKS: BLOOMINGTON RD

FINAL STATUS OF WELL

1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED

WATER USE

1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED

METHOD OF DRILLING

1 ☒ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☐ ROTARY (AIR) 5 ☐ AIR PERCUSSION 6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING 5459

CONTRACTOR

NAME OF WELL CONTRACTOR: Wilson water Wells — LICENCE NUMBER: 5459

ADDRESS: RR # 4 Stouffville

NAME OF DRILLER OR BORER: Norm Rennie — LICENCE NUMBER: T-0339

SIGNATURE OF CONTRACTOR: William Wilson — SUBMISSION DATE: DAY ____ MO. ____ YR. ____

OFFICE USE ONLY

DATA SOURCE | CONTRACTOR | DATE RECEIVED: JUL 21 1987

DATE OF INSPECTION | INSPECTOR

REMARKS

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Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

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11 6920326 MUNICIP 69009 CON. CON 109

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON. BLOCK, TRACT, SURVEY, ETC	LOT
York	Whitchurch + Stouffville	9	19
[redacted]	21 Stouffville	DATE COMPLETED DAY 16 MO 10 YR 88	88

RC ELEVATION RC BASIN CODE

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
Brown	Clay	Fill		0	6'
Brown	Sand	Fine		6'	32'
Blue	Clay			32'	80'
Blue	Sand	Coarse		80'	93'

31
32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
80	1 ☑ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6"	1 ☑ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	188	0	79
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
10	6 INCHES	4 FEET
MATERIAL AND TYPE: 55	DEPTH TO TOP OF SCREEN: 89 FEET	

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER, ETC.)
0	12	Bentseal T Hole Plug

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☑ PUMP 2 ☐ BAILER	15 GPM	2 HOURS ___ MINS

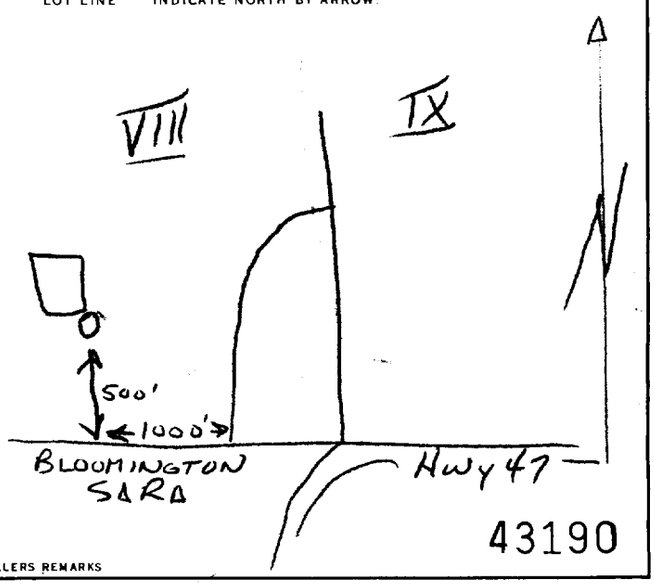
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING (1 ☐ PUMPING 2 ☐ RECOVERY)	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
54 FEET	80 FEET		60 FEET	74 FEET	8 FEET	80 FEET

IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
GPM	80 FEET	1 ☑ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☐ SHALLOW ☑ DEEP	80 FEET	15 GPM

LOCATION OF WELL

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



43190

DRILLERS REMARKS

FINAL STATUS OF WELL

1 ☑ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED ☐ DEWATERING

WATER USE

1 ☑ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING ☐ OTHER 9 ☐ NOT USED

METHOD OF CONSTRUCTION

1 ☑ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☐ ROTARY (AIR) 5 ☐ AIR PERCUSSION 6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING ☐ DIGGING ☐ OTHER

CONTRACTOR

NAME OF WELL CONTRACTOR: Gormley Well Drilling
WELL CONTRACTOR'S LICENCE NUMBER: 7409
ADDRESS: RR1 Richmond Hill
NAME OF WELL TECHNICIAN: Wm Bishop
WELL TECHNICIAN'S LICENCE NUMBER: 10051
SIGNATURE OF TECHNICIAN/CONTRACTOR: Bill Bishop
SUBMISSION DATE: DAY ___ MO ___ YR ___

OFFICE USE ONLY

DATA SOURCE
CONTRACTOR: 2407
DATE RECEIVED: APR 27 1989
DATE OF INSPECTION
INSPECTOR
REMARKS

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FORM NO. 0506 (11/86) FORM 9

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

1. PRINT ONLY IN SPACES PROVIDED
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11 | 6922709 | MUNICIP. 69009 | CON. CON | 10

COUNTY OR DISTRICT: [redacted] | TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: Whitchurch | CON., BLOCK, TRACT, SURVEY, ETC.: Con 10 | LOT: 10

[redacted] Old 47 | DATE COMPLETED: DAY 5 MO 7 YR 94

RC | ELEVATION | RC | BASIN CODE

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
Brown	clay	sand		0	18
"	sand			18	32
"	gravel			32	37
"	sand		coarse	37	46
"	"	clay		46	51
Brown	sand		coarse	51	64

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
51	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6 1/4	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	0	61
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET
18	6	5

MATERIAL AND TYPE: SS | DEPTH TO TOP OF SCREEN FEET: 61

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
0	20	Holeplug

71 PUMPING TEST

PUMPING TEST METHOD: 1 ☐ PUMP 2 ☒ BAILER | PUMPING RATE: 20 GPM | DURATION OF PUMPING: 1 HOURS 00 MINS

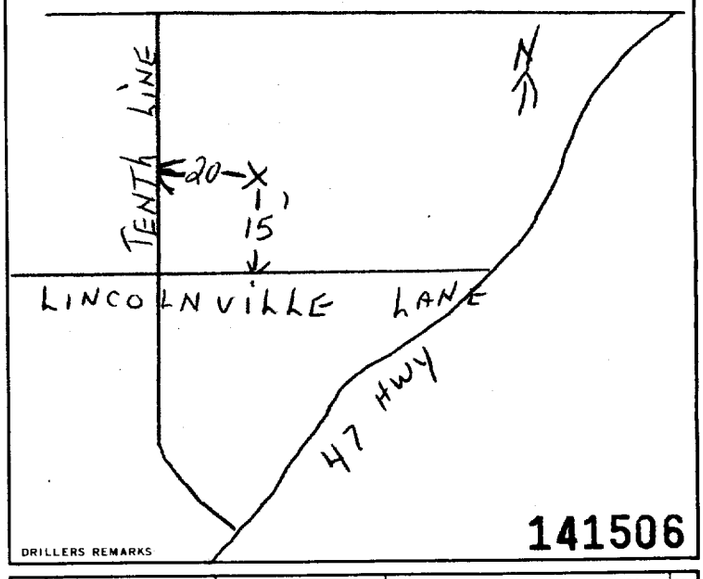
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 1 ☒ PUMPING 2 ☐ RECOVERY	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
30 FEET	55 FEET		45 FEET	50 FEET	55 FEET	55 FEET

IF FLOWING, GIVE RATE: GPM | PUMP INTAKE SET AT: 55 FEET | WATER AT END OF TEST: 1 ☒ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE: ☐ SHALLOW ☒ DEEP | RECOMMENDED PUMP SETTING: 55 FEET | RECOMMENDED PUMPING RATE: 10 GPM

LOCATION OF WELL

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



DRILLERS REMARKS: 141506

FINAL STATUS OF WELL

1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED ☐ DEWATERING

WATER USE

1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED

METHOD OF CONSTRUCTION

1 ☒ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☐ ROTARY (AIR) 5 ☐ AIR PERCUSSION 6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING ☐ DIGGING ☐ OTHER

CONTRACTOR

NAME OF WELL CONTRACTOR: Wilson water wells | WELL CONTRACTOR'S LICENCE NUMBER: 5459

ADDRESS: RR#4 Stouffville

NAME OF WELL TECHNICIAN: Norm Rempel | WELL TECHNICIAN'S LICENCE NUMBER: 10559

SIGNATURE OF TECHNICIAN/CONTRACTOR: Pete Wilson | SUBMISSION DATE: DAY 6 MO 7 YR 94

OFFICE USE ONLY

DATA SOURCE | CONTRACTOR: 5459 | DATE RECEIVED: JUL 12 1994

DATE OF INSPECTION | INSPECTOR

REMARKS

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FORM NO. 0506 (11/86) FORM 9

Ministry of Environment and Energy
Ontario

The Ontario Water Resources Act
WATER WELL RECORD

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

11 (1 2) **6923698** Municipality 69009 (14) Con. CON (15) 09 (22 23 24)

County or District [redacted] | Township/Borough/City/Town/Village Whitchurch Stouffville | Con block tract survey, etc. Con 9 | Lot 12 (25-27)

Address Durham Rd 30 | Date completed 26 day 8 month 96 year

21 (1 2) T M (10) Northing (12 17) (18 24) RC (25) Elevation (26 30) RC (31) Basin Code (i ii iii iv) (47)

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)

General colour	Most common material	Other materials	General description	Depth – feet From	Depth – feet To
Brown	Topsoil			0	2
"	clay	rocks		2	12
"	sand	clay		12	24
"	gravel			24	68
"	sand			68	75
Brown	"		coarse	75	83

31 (10 14 15 21) 32 (32 43 54 65 75 80)

41 WATER RECORD

Water found at – feet	Kind of water
75 (10-13)	1 ☒ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 5 ☐ Gas (14)
(15-18)	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 5 ☐ Gas (19)
(20-23)	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 5 ☐ Gas (24)
(25-28)	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 5 ☐ Gas (29)
(30-33)	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 5 ☐ Gas (34) (60)

51 CASING & OPEN HOLE RECORD

Inside diam inches	Material	Wall thickness inches	Depth – feet From	Depth – feet To
(12) 6 1/4	1 ☒ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic (13-16)	.188	0	80
(17 18)	1 ☐ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic (19)			(20-23)
(24-25)	1 ☐ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic (26)			(27-30)

SCREEN

Sizes of opening (Slot No.) (31 33)	Diameter (34-38)	Length (39 40)
16	6 inches	3 feet
Material and type	**Depth at top of screen (41-44)**	(30)
55	80 feet	

61 PLUGGING & SEALING RECORD

☐ Annular space ☐ Abandonment

Depth set at – feet From (13)	To (14-17)	Material and type (Cement grout, bentonite, etc.)
0	20	Bensead - Bakeplug
(18-21)	(22-25)	
(26-29)	(30-33) (80)	

71 PUMPING TEST

Pumping test method (10) 1 ☐ Pump 2 ☒ Bailer | Pumping rate (11-14) 10 GPM | Duration of pumping (15-16) 1 Hours (17-18) 30 Mins

Static level	Water level end of pumping	Water levels during (25) 1 ☒ Pumping 2 ☐ Recovery			
		15 minutes	30 minutes	45 minutes	60 minutes
55 (19-21) feet	75 (22-24) feet	65 (26-28) feet	70 (29-31) feet	75 (32-34) feet	25 (35-37) feet

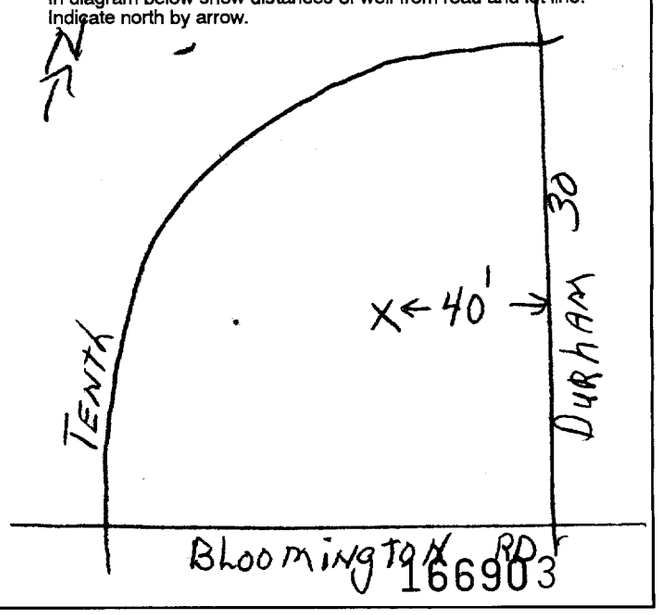
If flowing give rate (38-41) GPM | Pump intake set at 75 feet | Water at end of test (42) ☒ Clear ☐ Cloudy

Recommended pump type ☐ Shallow ☒ Deep | Recommended pump setting (43 45) 75 feet | Recommended pump rate (46-49) 10 GPM

(50-53)

LOCATION OF WELL

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



FINAL STATUS OF WELL (54)

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

WATER USE (55 56)

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

METHOD OF CONSTRUCTION (57)

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

Name of Well Contractor: Wilson Water Wells | Well Contractor's Licence No.: 5459

Address: [redacted] Stouffville

Name of Well Technician: Norm Richards | Well Technician's Licence No.: T0339

Signature of Technician/Contractor: Peter Wilson | Submission date: 28 day 8 mo 96 yr

MINISTRY USE ONLY

Data source (58) | Contractor 5459 (59-62) | Date received SEP 11 1996 (63-68) (80)

Date of inspection | Inspector

Remarks

0506 (07/94) Front Form 9

2 - MINISTRY OF ENVIRONMENT & ENERGY COPY

Ontario **Ministry of the Environment**

The Ontario Water Resources Act
WATER WELL RECORD

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

11 **6925399** Municipality 69009 Con CON 09

County or District	Township/Borough/City/Town/Village	Con block tract survey, etc.	Lot
York	W Hutchinson Stouffville	Con 9	12
[redacted]	Address 10TH Line	Date completed 9 day 6 month 00 year	

21 Northing RC Elevation RC Basin Code

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)

General colour	Most common material	Other materials	General description	Depth - feet From	Depth - feet To
Black	Topsoil			0	1
Brown	clay		soft	1	19
Gray	"			19	21
Brown	gravel	stones		21	24
"	clay	sand		24	50
"	gravel		coarse	50	58
"	clay	sand		58	74
"	silt		fine	74	100
Brown	sand		fine	100	108

31

32

41 WATER RECORD

Water found at - feet	Kind of water
100	1 ☒ Fresh 2 ☐ Salty; 3 ☐ Sulphur 4 ☐ Minerals 5 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty; 3 ☐ Sulphur 4 ☐ Minerals 5 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty; 3 ☐ Sulphur 4 ☐ Minerals 5 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty; 3 ☐ Sulphur 4 ☐ Minerals 5 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty; 3 ☐ Sulphur 4 ☐ Minerals 5 ☐ Gas

51 CASING & OPEN HOLE RECORD

Inside diam inches	Material	Wall thickness inches	Depth - feet From	Depth - feet To
6	1 ☒ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic	.188	0	102
	1 ☐ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic			
	1 ☐ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic			

SCREEN

Sizes of opening (Slot No.)	Diameter	Length
10	6 inches	6 feet
Material and type	**Depth at top of screen**	
SS	102 feet	

61 PLUGGING & SEALING RECORD

☒ Annular space ☐ Abandonment

Depth set at - feet From	Depth set at - feet To	Material and type (Cement grout, bentonite, etc.)
0	20	Benseal

71 PUMPING TEST

Pumping test method: 1 ☐ Pump 2 ☒ Bailer

Pumping rate: 10 GPM

Duration of pumping: 1 Hours 30 Mins

Water levels during: 1 ☐ Pumping 2 ☐ Recovery

Static level	Water level end of pumping	15 minutes	30 minutes	45 minutes	60 minutes
55 feet	75 feet	10 feet	75 feet	75 feet	75 feet

If flowing give rate: GPM

Pump intake set at: 75 feet

Water at end of test: ☒ Clear ☐ Cloudy

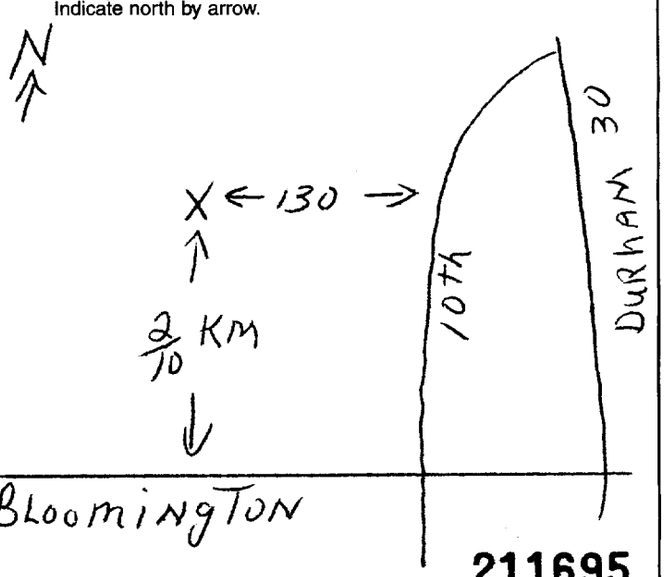
Recommended pump type: ☐ Shallow ☒ Deep

Recommended pump setting: 75 feet

Recommended pump rate: 10 GPM

LOCATION OF WELL

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



211695

FINAL STATUS OF WELL

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

WATER USE

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

METHOD OF CONSTRUCTION

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

Name of Well Contractor	Well Contractor's Licence No.
Wilson water Wells	5459
Address: 13787 Hwy 48 Stouffville	
Name of Well Technician: Tom Renwil	Well Technician's Licence No. 70339
Signature of Technician/Contractor: Peter Wilson	Submission date: day 12 mo 6 yr 00

MINISTRY USE ONLY

Data source 58 | Contractor 5459 | Date received JUN 20 2000

Date of inspection | Inspector

Remarks

CSS.ES0

0506 (11/98) Front Form 9

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Ontario | Ministry of the Environment

Well Tag Number: A016036 (A016036)

Well Record

Regulation 903 Ontario Water Resources Act

page ___ of ___

Instructions for Completing Form

- For use in the **Province of Ontario** only. This document is a permanent **legal** document. Please retain for future reference.
- All Sections **must** be completed in full to avoid delays in processing. Further instructions and explanations are available on the back of this form.
- Questions regarding completing this application can be directed to the Water Well Management Coordinator at 416-235-6203.
- **All metre measurements shall be reported to 1/10th of a metre.**
- Please print clearly in blue or black ink only.

Ministry Use Only

MUN | CON | LOT

Well Owner's Information and Location of Well Information

First Name: Lafarge | Last Name: North America | Mailing Address (Street Number/Name, RR,Lot,Concession)

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

Address of Well Location (County/District/Municipality): York Region | Township: Whitchurch | Lot: 13 | Concession: 9

RR#/Street Number/Name: 8088 10TH Con | City/Town/Village: Stouffville | Site/Compartment/Block/Tract etc.

GPS Reading: NAD 83 | Zone: 17 | Easting: 640954 | Northing: 4875411 | Unit Make/Model | Mode of Operation: ☐ Undifferentiated ☑ Averaged ☐ Differentiated, specify

Log of Overburden and Bedrock Materials (see instructions)

General Colour	Most common material	Other Materials	General Description	Depth From	Depth To (Metres)
Black	Top Soil			0	.3
Brown	Clay	Sandy		.3	7
Brown	Sand + Gravel + Silt		Dry	7	31
Brown	Sand + Gravel			31	34.7

Hole Diameter

Depth From	Metres To	Diameter Centimetres
0	6	21.6
6	34.7	16.5

Water Record

Water found at ___ Metres / Kind of Water

- ___ m: ☐ Fresh ☐ Salty ☐ Sulphur ☐ Minerals ☐ Gas ☐ Other:
- ___ m: ☐ Fresh ☐ Salty ☐ Sulphur ☐ Minerals ☐ Gas ☐ Other:
- ___ m: ☐ Fresh ☐ Salty ☐ Sulphur ☐ Minerals ☐ Gas ☐ Other:

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

Chlorinated: ☑ Yes ☐ No

Construction Record

Inside diam centimetres	Material	Wall thickness centimetres	Depth From	Depth To (Metres)
Casing				
15.8	☑ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	.188"	0	33.8
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
Screen				
Outside diam 15.2	☑ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	Slot No. .014	33.8	34.7

No Casing or Screen: ☐ Open hole

Test of Well Yield

Pumping test method: Pump

Pump intake set at - (metres)

Pumping rate - (litres/min) 96 gpm

Duration of pumping 1 hrs + ___ min

Final water level end of pumping ___ metres

Recommended pump type: ☐ Shallow ☑ Deep

Recommended pump depth. ___ metres

Recommended pump rate. (litres/min)

If flowing give rate - (litres/min)

If pumping discontinued, give reason.

	Draw Down Time min	Draw Down Water Level Metres	Recovery Time min	Recovery Water Level Metres
Static Level		24.3		
1			1	
2			2	
3			3	
4			4	
5			5	
10			10	
15			15	
20			20	
25			25	
30			30	
40			40	
50			50	
60		28.1	60	

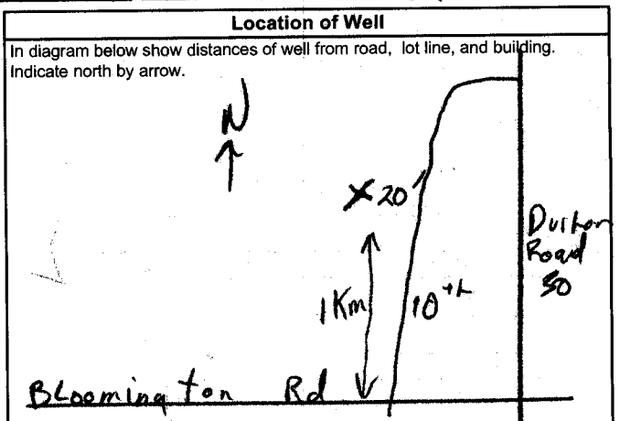
Plugging and Sealing Record

☑ Annular space ☐ Abandonment

Depth set at - Metres From	To	Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)
0	6+	Holeplug	16 Bags

Location of Well

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



Method of Construction

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

Water Use

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

Final Status of Well

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

Audit No. Z 22357 | Date Well Completed YYYY 2004 MM 12 DD 21

Was the well owner's information package delivered? ☐ Yes ☐ No | Date Delivered YYYY MM DD

Well Contractor/Technician Information

Name of Well Contractor: Wilson Water Wells Ltd | Well Contractor's Licence No.: 5459

Business Address (street name, number, city etc.): 13787 Hwy 48 Stouffville ont

Name of Well Technician (last name, first name): G Johnson | Well Technician's Licence No.: 12990

Signature of Technician/Contractor: X | Date Submitted YYYY 04 MM 12 DD 30

Ministry Use Only

Data Source | Contractor: 5459

Date Received: JAN 19 2005 | Date of Inspection YYYY MM DD

Remarks | Well Record Number

0506E (09/03) Contractor's Copy ☐ Ministry's Copy ☐ Well Owner's Copy ☐

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Ontario | Ministry of the Environment

Well Tag Number (Place sticker and print number below): A001501 / A001501

Well Record

Regulation 903 Ontario Water Resources Act

page ___ of ___

Instructions for Completing Form

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- **All metre measurements shall be reported to 1/10th of a metre.**
- Please print clearly in blue or black ink only.

Ministry Use Only

MUN | CON | LOT

Well Owner's Information and Location of Well Information

First Name	Last Name	Mailing Address (Street Number/Name, RR,Lot,Concession)
York Region		C/O Jagger Hims Ltd 1091 Gorham St

County/District/Municipality	Township/City/Town/Village	Province	Postal Code	Telephone Number (include area code)
	Newmarket	Ontario	L3Y 7V1	

Address of Well Location (County/District/Municipality)	Township	Lot	Concession
York	Whitchurch-Stouffville	10	9

RR#/Street Number/Name	City/Town/Village	Site/Compartment/Block/Tract etc.
Lincolnville Lane		

GPS Reading	NAD	Zone	Easting	Northing	Unit Make/Model	Mode of Operation
	83	17	640937	4874632	Magellan	☐ Undifferentiated ☐ Differentiated, specify ☒ Averaged

Log of Overburden and Bedrock Materials (see instructions)

General Colour	Most common material	Other Materials	General Description	Depth From (Metres)	Depth To (Metres)
Black	Topsoil			0	2
Brown	Silty clay & gravel			2	11
Brown	Silty sand & gravel	trace clay		11	21
Brown	Silty sand			21	26
Brown	silty sand & gravel			26	37
Brown	Sand & gravel			37	94
Grey	Silty sand	some gravel	water bearing	94	110
Grey	sand & gravel		water bearing	110	113
Grey	sand	some gravel	water bearing	113	126
Grey	sand & gravel		water bearing	126	137

Hole Diameter

Depth From	Depth To (Metres)	Diameter (Inches)
0	137	6"

Water Record

Water found at ___ Metres / Kind of Water

- ___ m ☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:
- ___ m ☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:
- ___ m ☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:

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

Chlorinated ☐ Yes ☐ No

Construction Record

Inside diam (centimetres / Inches)	Material	Wall thickness (centimetres / Inches)	Depth From (Metres)	Depth To (Metres)
Casing				
2"	☒ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	SCH 40	+3	107
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
Screen				
Outside diam		Slot No.		
2"	☒ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	SCH 40	107	137
No Casing or Screen				
	☐ Open hole			

Test of Well Yield

Pumping test method	Draw Down Time min	Draw Down Water Level (Metres)	Recovery Time min	Recovery Water Level Metres
Pump intake set at - (metres)	Static Level	39		
Pumping rate - (litres/min)	1		1	
Duration of pumping ___hrs +___ min	2		2	
Final water level end of pumping ___metres	3		3	
Recommended pump type. ☐ Shallow ☐ Deep	4		4	
Recommended pump depth. ___metres	5		5	
Recommended pump rate. (litres/min)	10		10	
	15		15	
If flowing give rate - (litres/min)	20		20	
	25		25	
If pumping discontinued, give reason.	30		30	
	40		40	
	50		50	
	60		60	

Plugging and Sealing Record

☒ Annular space ☐ Abandonment

Depth set at (Metres) From	To	Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)
137	103½	Silica Sand	
103½	97	Bentonite Chips	
97	2	Bentonite Slurry & Chips	
2	0	Cement	

Method of Construction

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

Water Use

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

Final Status of Well

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

Well Contractor/Technician Information

Name of Well Contractor	Well Contractor's Licence No.
G.Hart & Sons Well Drilling Ltd	T-2662

Business Address (street name, number, city etc.): P.O. Box 850 Fenelon Falls Ontaario

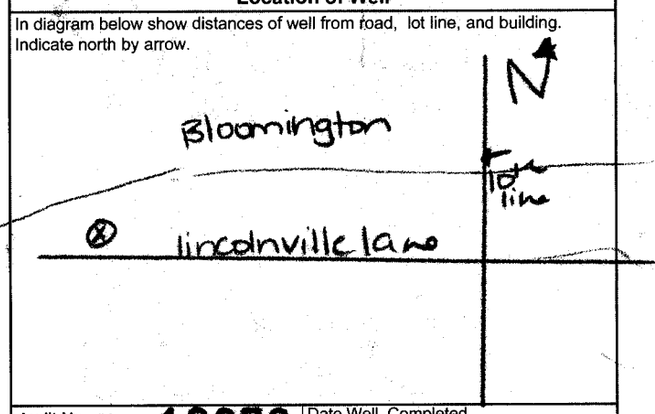
Name of Well Technician (last name, first name)	Well Technician's Licence No.
Watson, Bryan	T-2441

Signature of Technician/Contractor: x [signature]

Date Submitted YYYY MM DD

Location of Well

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



Audit No. Z 18670

Date Well Completed YYYY MM DD: 2003 12 01

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

Date Delivered YYYY MM DD

Ministry Use Only

Data Source	Contractor
	2662
Date Received YYYY MM DD: APR 20 2005	Date of Inspection YYYY MM DD
Remarks	Well Record Number

0506E (09/03)

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

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Ontario | Ministry of the Environment

Well Tag Number: A 001502 / A001502

Well Record

Regulation 903 Ontario Water Resources Act

page ___ of ___

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- Please print clearly in blue or black ink only.

Ministry Use Only

MUN | CON | LOT

Well Owner's Information and Location of Well Information

First Name	Last Name	Mailing Address (Street Number/Name, RR,Lot,Concession)
York Region		C/O Jagger Hims Ltd 1091 Gorham St

County/District/Municipality	Township/City/Town/Village	Province	Postal Code	Telephone Number (include area code)
	Newmarket	Ontario	L3Y 7V1	

Address of Well Location (County/District/Municipality)	Township	Lot	Concession
York Region	Whitchurch-Stouffville	10	9

RR#/Street Number/Name	City/Town/Village	Site/Compartment/Block/Tract etc.
Lincolnville Lane		

GPS Reading	NAD	Zone	Easting	Northing	Unit Make/Model	Mode of Operation
	83	17	640936	4874629	Magellan	☐ Undifferentiated ☒ Averaged ☐ Differentiated, specify

Log of Overburden and Bedrock Materials (see instructions)

General Colour	Most common material	Other Materials	General Description	Depth From (Metres)	Depth To (Metres)
Black	Topsoil			0	2
Brown	Silty Clay & Gravel			2	13
Brown	Silty sand & Gravel	Trace Clay		13	19
Brown	Silty sand & Gravel			19	28
Brown	Silty sand & Gravel	Trace Clay		28	38
Brown	Sand & Gravel		water bearing	38	65

Hole Diameter

Depth From (Metres)	Depth To (Metres)	Diameter (centimetres)
0	65	6"

Water Record

Water found at ___ Metres / Kind of Water

- ___ m ☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:
- ___ m ☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:
- ___ m ☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:

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

Chlorinated ☐ Yes ☐ No

Construction Record

Inside diam (centimetres / Inches)	Material	Wall thickness (centimetres / Inches)	Depth From (Metres)	Depth To (Metres)
Casing				
2"	☒ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	Sch 40	+3	40
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
Screen				
Outside diam	☒ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	Slot No.		
2"		sch 40	40	65
No Casing or Screen				
	☐ Open hole			

Test of Well Yield

Pumping test method	Draw Down Time min	Draw Down Water Level (Metres)	Recovery Time min	Recovery Water Level Metres
Pump intake set at - (metres)	Static Level	39		
Pumping rate - (litres/min)	1		1	
Duration of pumping ___hrs +___ min	2		2	
Final water level end of pumping ___metres	3		3	
Recommended pump type. ☐ Shallow ☐ Deep	4		4	
Recommended pump depth. ___metres	5		5	
Recommended pump rate. (litres/min)	10		10	
	15		15	
If flowing give rate - (litres/min)	20		20	
	25		25	
If pumping discontinued, give reason.	30		30	
	40		40	
	50		50	
	60		60	

Plugging and Sealing Record

☒ Annular space ☐ Abandonment

Depth set at - Metres From	To	Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)
65	37	Silica Sand	
37	21	Bentonite Chips	
21	2	Bentonite Slurry	
2	0	Cement	

Method of Construction

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

Water Use

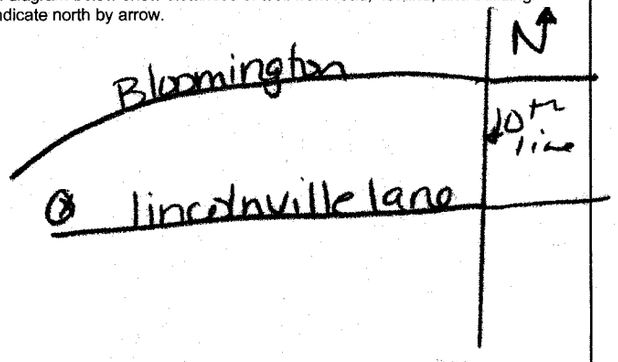
☐ Domestic ☐ Industrial ☐ Public Supply ☐ Other
☐ Stock ☐ Commercial ☒ Not used
☐ Irrigation ☐ Municipal ☐ Cooling & air conditioning

Final Status of Well

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

Location of Well

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



Audit No. Z 18673

Date Well Completed: YYYY 2003 MM 12 DD 01

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

Date Delivered: YYYY MM DD

Well Contractor/Technician Information

Name of Well Contractor	Well Contractor's Licence No.
G.Hart & Sons Well Drilling LTd	2662

Business Address (street name, number, city etc.): P.O. Box 850 Fenelon Falls OntarioKOM 1NO

Name of Well Technician (last name, first name)	Well Technician's Licence No.
Watson,Bryam	T-2441

Signature of Technician/Contractor: x Clark — Date Submitted: YYYY MM DD

Ministry Use Only

Data Source	Contractor
	2662
Date Received: YYYY MM DD APR 20 2005	Date of Inspection: YYYY MM DD
Remarks	Well Record Number

0506E (09/03) Contractor's Copy ☐ Ministry's Copy ☐ Well Owner's Copy ☐ *Cette formule est disponible en français*

Ontario

Ministry of Environment and Energy

The Ontario Water Resources Act
WATER WELL RECORD

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

11 (1 2)

SHEET 1 of 2

Municipality (10–14) Con. (15–22 23 24)

County or District	Township/Borough/City/Town/Village	Con block tract survey, etc.	Lot (25-27)
York	Whitchurch-Stouffville	Con.9	10

Owner's surname (28-47)	First Name	Address of Well Location	Date completed (48-53)
York Region		1091 Gorham St.,Suite 301,Newmarket,ON	21 day 10 month 03 year

21 (1 2)

UTM — Zone (10) 17 | Easting (12–17) 641 043 | Northing (18–24) 4874 658 | RC (25) | Elevation (26–30) | RC | Basin Code (31) | ii | iii | iv (47) *Abandoned 08 10 04

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)

General colour	Most common material	Other materials	General description	Depth - feet From	Depth - feet To
Black	Topsoil			0	3
Brown	Sandy clay & gravel	some sand lenses		3	28
Brown	Sand & gravel	some silt	dry	28	43
Brown	Sandy gravel		wet @ 50'	43	98
Gray	Silty sand		water bearing	98	113
Gray	Sand & gravel		waterbearing	113	140
Gray	Sandy clay & gravel			140	246
Gray	Sand & gravel			246	248
Gray	Sandy clay & gravel			248	256
Gray	Sand & Gravel			256	261
** See attached Page 2 for colours & material				261	529

31 (10 14 15 21 32 43 54 65 75 80)

32 (10 14 15 21 32 43 54 65 75 80)

41 WATER RECORD

Water found at - feet	Kind of water
(10-13)	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas (14)
(15-18)	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas (19)
(20-23)	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas (24)
(25-28)	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas (29)
(30-33)	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas (34) (60)

51 CASING & OPEN HOLE RECORD

Inside diam inches	Material	Wall thickness inches	Depth - feet From	Depth - feet To
(10-11) 6 1/4	1 ☒ Steel (12) 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic	.280	-7	(13-16)
6 1/4		.280	+3	525
(17-18) 6	1 ☐ Steel (19) 2 ☐ Galvanized 3 ☐ Concrete 4 ☒ Open hole 5 ☐ Plastic		525	(20-23) 529
(24-25) 10 10	1 ☒ Steel (26) 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic	Dec 6-73 .380	0	(27-30) 20

SCREEN

Sizes of opening (Slot No.) (31-33)	Diameter (34-38) inches	Length (39-40) feet
Material and type	Depth at top of screen (41-44) feet	(30)

61 PLUGGING & SEALING RECORD

☒ Annular space ☒ Abandonment

Depth set at - feet From	Depth set at - feet To	Material and type (Cement grout, bentonite, etc.)
(10-17) 0	20	Cement (10" pipe)
(18-21) 529	(22-25) 7	Bentonite Grout
(26-29) 7	(30-33) 0 (80)	Native Soil

71 PUMPING TEST

Pumping test method (10) 1 ☐ Pump 2 ☐ Bailer | Pumping rate (11-14) GPM | Duration of pumping (15-16) Hours (17-18) Mins

Static level (19-21) feet	Water level end of pumping (22-24) feet	Water levels during (25) 1 ☐ Pumping 2 ☐ Recovery	15 minutes (26-28) feet	30 minutes (29-31) feet	45 minutes (32-34) feet	60 minutes (35-37) feet

If flowing give rate (38-41) GPM	Pump intake set at feet	Water at end of test (42) ☐ Clear ☐ Cloudy
Recommended pump type ☐ Shallow ☐ Deep	Recommended pump setting (43-45) feet	Recommended pump rate (46-49) GPM

(50-53)

FINAL STATUS OF WELL (54)

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

WATER USE (55-56)

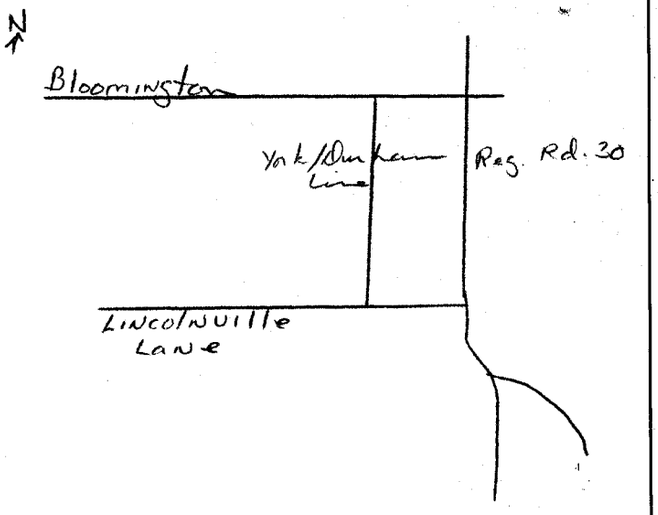
1 ☐ Domestic
2 ☐ Stock
3 ☐ Irrigation
4 ☐ Industrial
5 ☐ Commercial
6 ☐ Municipal
7 ☐ Public supply
8 ☐ Cooling & air conditioning
9 ☒ Not use
10 ☐ Other

METHOD OF CONSTRUCTION (57)

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

LOCATION OF WELL

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



267700

Name of Well Contractor	Well Contractor's Licence No.
G.Hart & Sons Well Drilling Ltd.	2662
Address: Box 850, Fenelon Falls, ON	
Name of Well Technician: Bryan Watson	Well Technician's Licence No.: T-2441
Signature of Technician/Contractor	Submission date: day mo yr

MINISTRY USE ONLY

Data source (58)	Contractor (59-62)	Date received (63-68) (60)
	2662	APR 20 2006
Date of inspection	Inspector	
Remarks		

2 - MINISTRY OF ENVIRONMENT AND ENERGY COPY

of the Environment

WATER WELL RECORD

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

SHEET 2 of 2

County or District		Township/Borough/City/Town/Village	Con block tract survey, etc.	Lot
York		Whitchurch-Stouffville	Con. 9	10
Owner's surname	First Name	Address c/o Jagger Hims, 1091 Gorham St.,Ste 301,Newmarket,ON	Date completed 21 day	10 month 03 year
York Region				

Zone | Easting | Northing

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)

General colour	Most common material	Other materials	General description	Depth - feet From	Depth - feet To
		** Continued from Page 1			
Gray	Sandy Clay & gravel			261	271
Gray	Silty clay		sticky	271	290
Gray	Sandy clay & gravel		hard	290	353
Gray	Sandy clay & gravel			353	493
Gray	Sandy clay	some gravel, some silt lenses		493	504
Dark Gray	Clay	some gravel		504	521
Gray	Silt	some sand, gravel & clay		521	524
Black	Shale			524	529

* Page #2

267700 2662 APR 20 2005

Ontario — Ministry of the Environment

Well Tag Number: A018493 (A018493)

Well Record

Regulation 903 Ontario Water Resources Act

SHEET 1 of 3 — page 1 of 3

Instructions for Completing Form

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- **All metre measurements shall be reported to 1/10th of a metre.**
- Please print clearly in blue or black ink only.

Ministry Use Only

MUN | CON | LOT

Well Owner's Information and Location of Well Information

First Name	Last Name	Mailing Address (Street Number/Name, RR, Lot, Concession)
York Regionm		C/O Jagger Hims Ltd 1091 Gorham St, Suite 301

County/District/Municipality	Township/City/Town/Village	Province	Postal Code	Telephone Number (include area code)
	Newmarket	Ontario		

Address of Well Location (County/District/Municipality)	Township	Lot	Concession
YORK 6	Whitchurch-Stouffville	11	9

RR#/Street Number/Name	City/Town/Village	Site/Compartment/Block/Tract etc.
# Cairo Court Lot 10		

GPS Reading	NAD	Zone	Easting	Northing	Unit Make/Model	Mode of Operation
	83	17	640929	4874989	Magellan	☐ Undifferentiated ☒ Averaged ☐ Differentiated, specify

Log of Overburden and Bedrock Materials (see instructions)

General Colour	Most common material	Other Materials	General Description	Depth From (Metres)	Depth To (Metres)
Grey	Gravel		fill	0	1
Brown	Silty Sand	some organics		1	3
Brown	Silty Sand & Gravel			3	5
Brown	Silty Clay & Gravel			5	14½
Grey	Sandy Clay & Gravel			14½	18
Brown	Silty sand & Gravel			18	27
Brown	Silty Clay	some gravel		27	47
Brown	Silty Sand	some gravel		47	50
Brown	Gravel	silty sand		50	60

Hole Diameter

Depth From (Metres)	Depth To (Metres)	Diameter (centimetres) inches
0	21	10"
21	173	6"

Water Record

Water found at (Metres)	Kind of Water
___ m	☐ Fresh ☐ Salty ☐ Sulphur ☐ Minerals
☐ Gas	☐ Other:
___ m	☐ Fresh ☐ Salty ☐ Sulphur ☐ Minerals
☐ Gas	☐ Other:
___ m	☐ Fresh ☐ Salty ☐ Sulphur ☐ Minerals
☐ Gas	☐ Other:

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

Chlorinated ☐ Yes ☐ No

Construction Record

Inside diam (centimetres) inches	Material	Wall thickness (centimetres) inches	Depth From (Metres)	Depth To (Metres)
Casing				
6¼"	☒ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	0.250	+3	132
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
Screen				
Outside diam 6"	☒ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	Slot No. 20,16, 14,20,20	132	166
No Casing or Screen				
	☐ Open hole			

Test of Well Yield

Pumping test method: Pump

	Draw Down Time (min)	Draw Down Water Level Metres	Recovery Time (min)	Recovery Water Level Metres
Pump intake set at - (metres)	Static Level	58.6		
Pumping rate - (litres/min) 452gpm	1	91.1	1	60.3
Duration of pumping 24 hrs + ___ min	2	91.8	2	59.7
Final water level end of pumping 96 hrs (metres)	3	91.9	3	59.3
Recommended pump type. ☐ Shallow ☐ Deep	4	92.3	4	59.2
Recommended pump depth. 120ft (metres)	5	92.4	5	59.2
Recommended pump rate. (litres/min)	10	92.5	10	58.9
	15	92.9	15	58.7
If flowing give rate - (litres/min)	20	92.9	20	58.6
	25	92.9	25	
If pumping discontinued, give reason.	30	92.9	30	
	40	92.9	40	
	50	93.0	50	
	60	93.0	60	

Plugging and Sealing Record

☒ Annular space ☐ Abandonment

Depth set at - Metres From	To	Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)
0	21	Bentonite Slurry	

Method of Construction

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

Water Use

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

Final Status of Well

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

Well Contractor/Technician Information

Name of Well Contractor	Well Contractor's Licence No.
G.Hart & Sons Well Drilling Ltd	2662

Business Address (street name, number, city etc.): P.O. Box 850 Fenelon Falls Ont K0M 1N0

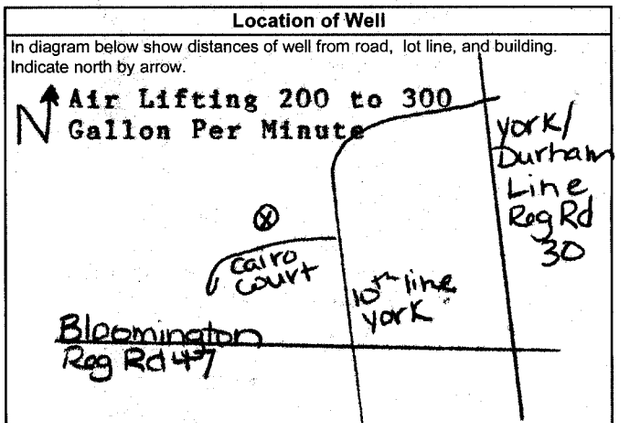
Name of Well Technician (last name, first name)	Well Technician's Licence No.
Wasson, Bryan	T-2441

Signature of Technician/Contractor: X [signature]

Date Submitted: YYYY MM DD

Location of Well

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



Audit No. Z 18710

Date Well Completed: YYYY 2004 MM 12 DD 22

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

Date Delivered: YYYY MM DD

Ministry Use Only

Data Source	Contractor
	2662
Date Received: YYYY APR MM 20 DD 2005	Date of Inspection: YYYY MM DD
Remarks	Well Record Number

0506E (09/03)

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

Cette formule est disponible en français

Ontario Ministry of the Environment

Well Tag Number (Place sticker and print number below): A018493

Well Record

Regulation 903 Ontario Water Resources Act

SHEET 2 of 3

Instructions for Completing Form

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Ministry Use Only

MUN | CON | LOT

Well Owner's Information and Location of Well Information

First Name	Last Name	Mailing Address (Street Number/Name, RR, Lot, Concession)
York Region		C/O Jagger Hims Ltd 1091 Gorham St Suite 301

County/District/Municipality	Township/City/Town/Village	Province	Postal Code	Telephone Number (include area code)
	Newmarket	Ontario		

Address of Well Location (County/District/Municipality)	Township	Lot	Concession
York	Whitchurch-Stouffville	11	9

RR#/Street Number/Name	City/Town/Village	Site/Compartment/Block/Tract etc.
Cairo Court Lot 10		

GPS Reading	NAD	Zone	Easting	Northing	Unit Make/Model	Mode of Operation
	83	17	640929	4874989	Magellan	☐ Undifferentiated ☐ Differentiated, specify ☒ Averaged

Log of Overburden and Bedrock Materials (see instructions)

General Colour	Most common material	Other Materials	General Description	Depth From (Metres)	Depth To (Metres)
Brown	Sand & Gravel			60	63
Brown	Gravel	some sand		63	68
Brown	Silt		wet	68	88
Brown	Silt	some fine sand	water bearing	88	108
Brown	Silt	some fine sand, some sandy clay lenses (wet)		108	116
Brown	Sand		water bearing	116	131
Brown	Sand & Gravel		water bearing	131	138
Brown	Sand	some gravel	water baring	138	141
Brown	Sand & Gravel		water bearing	141	145

Hole Diameter

Depth From	Metres To	Diameter Centimetres

Water Record

Water found at ___ Metres / Kind of Water

___ m	☐ Fresh	☐ Sulphur
☐ Gas	☐ Salty	☐ Minerals
☐ Other:		
___ m	☐ Fresh	☐ Sulphur
☐ Gas	☐ Salty	☐ Minerals
☐ Other:		
___ m	☐ Fresh	☐ Sulphur
☐ Gas	☐ Salty	☐ Minerals
☐ Other:		

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

Chlorinated ☐ Yes ☐ No

Construction Record

Inside diam centimetres	Material	Wall thickness centimetres	Depth From	Depth To
Casing				
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
Screen				
Outside diam	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	Slot No.		
No Casing or Screen				
	☐ Open hole			

Test of Well Yield

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

Plugging and Sealing Record

☐ Annular space ☐ Abandonment

Depth set at - Metres From	To	Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)

Method of Construction

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

Water Use

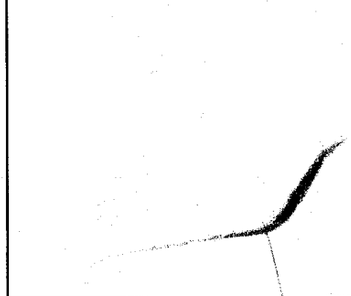
☐ Domestic ☐ Industrial ☐ Public Supply ☐ Other
☐ Stock ☐ Commercial ☐ Not used
☐ Irrigation ☐ Municipal ☐ Cooling & air conditioning

Final Status of Well

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

Location of Well

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



Audit No. Z 18686

Date Well Completed: YYYY MM DD 2004 12 22

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

Date Delivered: YYYY MM DD

Well Contractor/Technician Information

Name of Well Contractor	Well Contractor's Licence No.
G.Hart & Sons Well Drilling Ltd	2662

Business Address (street name, number, city etc.): P.O. Box 850 Fenelon Falls Ont K0M 1N0

Name of Well Technician (last name, first name)	Well Technician's Licence No.
Watson, Bryan	T-2441

Signature of Technician/Contractor: X [signature]

Date Submitted: YYYY MM DD

Ministry Use Only

Data Source	Contractor
	2662
Date Received: YYYY MM DD APR 20 2005	Date of Inspection: YYYY MM DD
Remarks	Well Record Number

0506E (09/03) Contractor's Copy ☐ Ministry's Copy ☐ Well Owner's Copy ☐

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Ontario Ministry of the Environment

Well Tag Number (Place sticker and print number below): A018493

Well Record

Regulation 903 Ontario Water Resources Act

page 3 of 3 SHEET 3 of 3

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Ministry Use Only

MUN | CON | LOT

Well Owner's Information and Location of Well Information

First Name	Last Name	Mailing Address (Street Number/Name, RR,Lot,Concession)
York Regionn		C30 Jagger Hims Ltd 1091 Gorham St Suite 301

County/District/Municipality	Township/City/Town/Village	Province	Postal Code	Telephone Number (include area code)
	Newmarket	Ontario		

Address of Well Location (County/District/Municipality)	Township	Lot	Concession
York	Whitchurch-Stouffville	11	9

RR#/Street Number/Name	City/Town/Village	Site/Compartment/Block/Tract etc.
Cairo Court Lot 10		

GPS Reading	NAD	Zone	Easting	Northing	Unit Make/Model	Mode of Operation
	83	17	640929	4874989	Magellan	☐ Undifferentiated ☒ Averaged ☐ Differentiated, specify

Log of Overburden and Bedrock Materials (see instructions)

General Colour	Most common material	Other Materials	General Description	Depth From	Depth To (Metres)
Brown	Sand	some gravel	water bearing	145	165
Brown	Sand & Gravel		water bearing	165	168
Grey	Sandy Clay & Gravel	some cobbles		168	173

Hole Diameter

Depth From	Metres To	Diameter Centimetres

Water Record

Water found at ___ Metres / Kind of Water

- ___ m ☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:
- ___ m ☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:
- ___ m ☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:

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

Chlorinated ☐ Yes ☐ No

Construction Record

Inside diam centimetres	Material	Wall thickness centimetres	Depth From	Depth To (Metres)
Casing				
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
Screen				
Outside diam	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	Slot No.		
No Casing or Screen				
	☐ Open hole			

Test of Well Yield

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

Plugging and Sealing Record ☐ Annular space ☐ Abandonment

Depth set at - From	Metres To	Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)

Method of Construction

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

Water Use

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

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☐ Observation well ☐ Abandoned, insufficient supply ☐ Dewatering
☐ Test Hole ☐ Abandoned, poor quality ☐ Replacement well

Well Contractor/Technician Information

Name of Well Contractor	Well Contractor's Licence No.
G.Hart & Sons Well Drilling LTd	2662

Business Address (street name, number, city etc.)
P.O. Box 850 Fenelon Falls Ont K0M 1N0

Name of Well Technician (last name, first name)	Well Technician's Licence No.
Watson,Bryan	T-2441

Signature of Technician/Contractor: X [signature]

Date Submitted YYYY MM DD

Location of Well

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

Audit No. Z 18687

Date Well Completed YYYY MM DD: 2004 12 22

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

Date Delivered YYYY MM DD

Ministry Use Only

Data Source	Contractor
Date Received YYYY MM DD	Date of Inspection YYYY MM DD
Remarks	Well Record Number

0506E (09/03) Contractor's Copy ☐ Ministry's Copy ☐ Well Owner's Copy ☐ *Cette formule est disponible en français*

Ontario Ministry of the Environment

Well Tag Number A018508

A018508

Well Record

Regulation 903 Ontario Water Resources Act

page 1 of 2

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- Please print clearly in blue or black ink only.

Ministry Use Only

MUN | CON | LOT

Well Owner's Information and Location of Well Information

First Name	Last Name	Mailing Address (Street Number/Name, RR, Lot, Concession)
York Region		C30Jagger Hims Ltd1091 Gorham St Suite301

County/District/Municipality	Township/City/Town/Village	Province	Postal Code	Telephone Number (include area code)
	Newmarket	Ontario		

Address of Well Location (County/District/Municipality)	Township	Lot	Concession
York	Whitchurch-Stouffville	11	9

RR#/Street Number/Name	City/Town/Village	Site/Compartment/Block/Tract etc.
Cairo Court		

GPS Reading	NAD	Zone	Easting	Northing	Unit Make/Model	Mode of Operation
	83	17	640926	4874992	Magellan	☐ Undifferentiated ☐ Averaged ☐ Differentiated, specify

Log of Overburden and Bedrock Materials (see instructions)

General Colour	Most common material	Other Materials	General Description	Depth From	Depth To
Grey	gravel		fill	0	3
Black	topsoil			3	5
Brown	silty clay	some gravel		5	15
Brown	silty sand & gravel some cobbles			15	17
Brown	sand			17	23
Brown	silt & Sand			23	30
Brown	silty clay	some sand & gravel		30	48
Brown	silty sand	some gravel		48	53
Brown	gravel	some silty sand		53	65

Hole Diameter

Depth From	Depth To	Diameter
0	20	19"
20	164'6"	12"

Water Record

Water found at	Kind of Water
139ft	☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:
to 164'6"	☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:
m	☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:

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

Chlorinated ☒ Yes ☐ No

Construction Record

Inside diam	Material	Wall thickness	Depth From	Depth To
12"	☒ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	0.375"	+3	139
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			

Screen

Outside diam		Slot No.		
12"	☒ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	20,18,20	139	164'6"

No Casing or Screen

☐ Open hole

Test of Well Yield

Pumping test method: Pump

Pump intake set at - 137ft

Pumping rate - 618igpm

Duration of pumping 72 hrs + ____ min

Final water level end of pumping 106.8

Recommended pump type: ☐ Shallow ☒ Deep

Recommended pump depth. 137ft

Recommended pump rate 618igpm

If flowing give rate - (litres/min)

If pumping discontinued, give reason.

	Draw Down Time min	Draw Down Water Level	Recovery Time min	Recovery Water Level
Static Level		62.4		
1		101.7	1	66.8
2		102.7	2	65.1
3		103.5	3	64.5
4		104.2	4	64.1
5		104.6	5	63.8
10		105.2	10	63.2
15		105.4	15	63.0
20		105.4	20	63.0
25		105.4	25	63.0
30		105.4	30	63.0
40		105.4	40	63.0
50		105.5	50	63.0
60		105.5	60	62.9

Plugging and Sealing Record

☒ Annular space ☐ Abandonment

Depth set at From	To	Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)
21	1	neat cement	
1	0	bentonite	

Method of Construction

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

Water Use

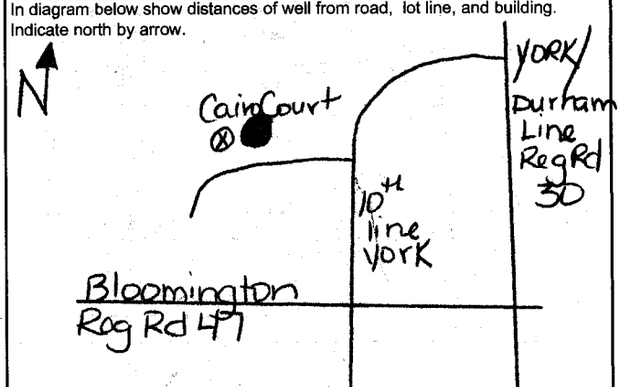
☐ Domestic ☐ Industrial ☐ Public Supply ☐ Other
☐ Stock ☐ Commercial ☐ Not used
☐ Irrigation ☒ Municipal ☐ Cooling & air conditioning

Final Status of Well

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

Location of Well

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



Audit No. Z 22725

Date Well Completed YYYY MM DD: 2005 07 22

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

Date Delivered YYYY MM DD

Well Contractor/Technician Information

Name of Well Contractor	Well Contractor's Licence No.
G.Hart & Sons Well Drilling Ltd	2662

Business Address (street name, number, city etc.): P.O. Box 850 Fenelon Falls On KOM 1NO

Name of Well Technician (last name, first name)	Well Technician's Licence No.
Watson, Bryan T-2441	T-2441

Signature of Technician/Contractor: X

Date Submitted YYYY MM DD

Ministry Use Only

Data Source	Contractor
	2662
Date Received NOV 21 2005	Date of Inspection YYYY MM DD
Remarks	Well Record Number

0506E (09/03) Contractor's Copy ☐ Ministry's Copy ☐ Well Owner's Copy ☐ *Cette formule est disponible en français*

Ontario Ministry of the Environment

Well Tag Number: A018508 / A018508

Well Record

Regulation 903 Ontario Water Resources Act

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Instructions for Completing Form

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- **All metre measurements shall be reported to 1/10th of a metre.**
- Please print clearly in blue or black ink only.

Ministry Use Only

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Well Owner's Information and Location of Well Information

First Name	Last Name	Mailing Address (Street Number/Name, RR, Lot, Concession)
York Region		C/O Jagger Hims Ltd 1091 Gorham StSuite 301

County/District/Municipality	Township/City/Town/Village	Province	Postal Code	Telephone Number (include area code)
	Newmarket	Ontario		

Address of Well Location (County/District/Municipality)	Township	Lot	Concession
York	Whitchurch-Stouffville	11	9

RR#/Street Number/Name	City/Town/Village	Site/Compartment/Block/Tract etc.
Cairo Court		

GPS Reading	NAD	Zone	Easting	Northing	Unit Make/Model	Mode of Operation
	83	17	640926	4874992	Magellan	☐ Undifferentiated ☐ Differentiated, specify ☒ Averaged

Log of Overburden and Bedrock Materials (see instructions)

General Colour	Most common material	Other Materials	General Description	Depth From	Depth To (Metres)
Brown	Sandy Silt		water bearing	65	95
Brown	Silty Sand	some clay	water bearing	95	114
Brown	Sand	some silt	water bearing	114	129
Brown	Sand		water bearing	129	134
Brown	Silty Sand & Gravel		water bearing	134	136
Brown	Sand & Gravel		water bearing	136	146
Brown	Sand	some gravel	water bearing	146	151
Brown	Sand & GRavel		water bearing	151	166½
Grey m	Sandy Clay & Gravel	*FINISHED DEPTH 164.6"*		166½	170

Hole Diameter

Depth From	Metres To	Diameter Centimetres

Water Record

Water found at ___ Metres / Kind of Water

- ___ m ☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:
- ___ m ☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:
- ___ m ☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:

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

Chlorinated ☐ Yes ☐ No

Construction Record

Inside diam centimetres	Material	Wall thickness centimetres	Depth From	Depth To (Metres)
Casing				
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
Screen				
Outside diam	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	Slot No.		
No Casing or Screen				
	☐ Open hole			

Test of Well Yield

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

Plugging and Sealing Record ☐ Annular space ☐ Abandonment

Depth set at - Metres From	To	Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)

Method of Construction

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

Water Use

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

Final Status of Well

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

Well Contractor/Technician Information

Name of Well Contractor	Well Contractor's Licence No.
G.Hart & Sons Well Drilling Ltd	2662

Business Address (street name, number, city etc.): P.O. Box 850 Fenelon Falls Ont K0M 1N0

Name of Well Technician (last name, first name)	Well Technician's Licence No.
Watson, Bryan	T-2441

Signature of Technician/Contractor: X [signature] Date Submitted YYYY MM DD

Location of Well

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

Audit No. Z 22724

Date Well Completed YYYY MM DD: 2005 07 22

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

Date Delivered YYYY MM DD

Ministry Use Only

Data Source | Contractor: 2662

Date Received: NOV 21 2005 (YYYY MM DD) | Date of Inspection YYYY MM DD

Remarks | Well Record Number

0506E (09/03) Contractor's Copy ☐ Ministry's Copy ☐ Well Owner's Copy ☐ *Cette formule est disponible en français*

Ontario Ministry of the Environment

Well Tag Number A 032909

A032909

Well Record

Regulation 903 Ontario Water Resources Act

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Ministry Use Only

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Well Owner's Information and Location of Well Information

[redacted]

York | Whitchurch | 12 | 9

RR#/Street Number/Name: Cairo Court | City/Town/Village: Stouffville | Site/Compartment/Block/Tract etc.

GPS Reading: NAD 83 | Zone 17 | Easting 640853 | Northing 4874906 | Unit Make/Model: MAGELLAN | Mode of Operation: ☐ Undifferentiated ☑ Averaged ☐ Differentiated, specify

Log of Overburden and Bedrock Materials (see instructions) IN FEET

General Colour	Most common material	Other Materials	General Description	Depth From	Depth To
BROWN	SAND		SOFT	0	10
GREY	CLAY		SOFT	10	25
BROWN	SAND		LOOSE	25	115
BROWN	SAND	GRAVEL	LOOSE	115	170

Hole Diameter

Depth From	Depth To	Diameter Centimetres
0	163'	6"
163'	170'	5"

Water Record

Water found at ___ Metres / Kind of Water

170 ft ☑ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:

___ m ☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:

___ m ☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:

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

Chlorinated ☒ Yes ☐ No

Construction Record FEET

Inside diam centimetres	Material	Wall thickness centimetres	Depth From	Depth To
Casing				
6"	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized		0	163'
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
Screen				
Outside diam 5"	☒ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	Slot No. #10	163	170
No Casing or Screen				
	☐ Open hole			

Test of Well Yield

Pumping test method	Draw Down Time min	Draw Down Water Level Metres	Recovery Time min	Recovery Water Level Metres
Pump intake set at - ~~(metres)~~ 155'	Static Level	60'		
Pumping rate - ~~(litres/min)~~ 10	1	61.5	1	
Duration of pumping 1 hrs + 0 min	2	61.5	2	
Final water level end of pumping ___ metres	3	61.5	3	
Recommended pump type. ☐ Shallow ☑ Deep	4	61.5	4	
Recommended pump depth. ___ metres	5	61.5	5	
Recommended pump rate. (litres/min)	10	61.5	10	
	15	61.5	15	
If flowing give rate - (litres/min)	20		20	
	25		25	
If pumping discontinued, give reason.	30	61.5	30	
	40	61.5	40	
	50		50	
	60	61.5	60	

Plugging and Sealing Record ☒ Annular space ☐ Abandonment

Depth set at - Metres From	Depth set at - Metres To	Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)
0	6M.	BENTONITE BENSEAL	

Method of Construction

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

Water Use

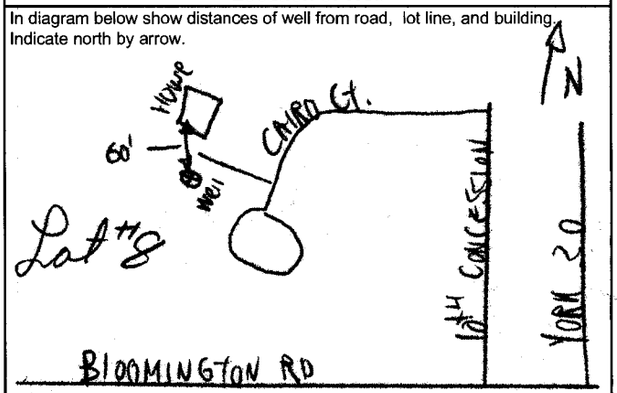
☑ Domestic ☐ Industrial ☐ Public Supply ☐ Other
☐ Stock ☐ Commercial ☐ Not used
☐ Irrigation ☐ Municipal ☐ Cooling & air conditioning

Final Status of Well

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

Location of Well

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



Audit No. Z 35788

Date Well Completed 2005 11 02

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

Date Delivered

Well Contractor/Technician Information

Name of Well Contractor: WILSON'S WATER WELLS | Well Contractor's Licence No.: 5459

Business Address (street name, number, city etc.): 13789 HWY #48 STOUFFVILLE

Name of Well Technician (last name, first name): O'BRIEN MICHAEL | Well Technician's Licence No.: T-3516

Signature of Technician/Contractor: X M. C. O'Brien | Date Submitted: 2005 10 07

Ministry Use Only

Data Source | Contractor 5459

Date Received NOV 24 2005 | Date of Inspection

Remarks | Well Record Number

0506E (09/03) Contractor's Copy ☐ Ministry's Copy ☐ Well Owner's Copy ☐ *Cette formule est disponible en français*

Ontario Ministry of the Environment

W (Place sticker and print number below) A 035529

A 035529

Well Record

Regulation 903 Ontario Water Resources Act

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- Please print clearly in blue or black ink only.

Ministry Use Only

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Well Owner's Information and Location of Well Information

First Name	Last Name	Mailing Address (Street Number/Name, RR,Lot,Concession)
Chiavatti Homes Limited		7725 Birchmount Rd., Unit #37

County/District/Municipality	Township/City/Town/Village	Province	Postal Code	Telephone Number (include area code)
	Markham	Ontario	L3R 9X3	

Address of Well Location (County/District/Municipality)	Township	Lot	Concession
York	Whitchurch-Stouffville	Pt.11	9

RR#/Street Number/Name	City/Town/Village	Site/Compartment/Block/Tract etc.
Cairo Court		Lot#3

GPS Reading	NAD	Zone	Easting	Northing	Unit Make/Model	Mode of Operation
	83	17	640941	4874861	Magellan	☐ Undifferentiated ☒ Averaged ☐ Differentiated, specify

Log of Overburden and Bedrock Materials (see instructions)

General Colour	Most common material	Other Materials	General Description	Depth From	Depth ~~Metres~~ To
Black	Topsoil			0	1
Brown	Sand	silt		1	24
Brown	Clay	silt & some gravel		24	33
Brown	Sand	gravel & cobbles	boulder at 72ft	33	72
Brown	Gravel	sand	wet	72	86
Brown	Sand			86	115

Hole Diameter

Depth ~~Metres~~ From	To	Diameter ~~Centimetres~~ INCHES
0	20	10"
20	115	6"

Water Record

Water found at ~~Metres~~	Kind of Water		
111 m	☒ Fresh	☐ Salty	☐ Gas
☐ Other: UNTESTED.			
___ m	☐ Fresh	☐ Salty	☐ Gas
☐ Other:			
___ m	☐ Fresh	☐ Salty	☐ Gas
☐ Other:			

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

Chlorinated ☒ Yes ☐ No

Construction Record

Inside diam ~~centimetres~~	Material	Wall thickness ~~centimetres~~ INCHES	Depth ~~Metres~~ From	To
Casing				
6¼ INCHES	☒ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	.188	+2½	111
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
Screen				
Outside diam		Slot No.		
6	☒ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	8	111	115
No Casing or Screen				
	☐ Open hole			

Test of Well Yield

Pumping test method: Pump

Pump intake set at - (~~metres~~) 100ft

Pumping rate - (~~litres~~/min) 12gpm

Duration of pumping 1 hrs + ___ min

Final water level end of pumping 61.2ft ~~metres~~

Recommended pump type. ☐ Shallow ☒ Deep

Recommended pump depth. 100 ft ~~metres~~

Recommended pump rate. 10gpm (~~litres~~/min)

If flowing give rate - (litres/min)

If pumping discontinued, give reason.

Draw Down Time min	Draw Down Water Level ~~Metres~~	Recovery Time min	Recovery Water Level ~~Metres~~
Static Level	54.3		
1	58.3	1	54.5
2	57.7	2	54.4
3	58.8	3	54.4
4	58.8	4	54.5
5	58.8	5	54.3
10	58.7	10	54.3
15	58.7	15	54.3
20	58.7	20	54.3
25	58.7	25	54.3
30	58.7	30	54.3
40	58.7	40	54.3
50	58.7	50	54.3
60	58.7	60	54.3

Plugging and Sealing Record

☒ Annular space ☐ Abandonment

Depth set at - Metres From	To	Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)
20	6	Benseal, Ez-mud	
6	0	Holeplug	

Method of Construction

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

Water Use

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

Final Status of Well

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

Well Contractor/Technician Information

Name of Well Contractor	Well Contractor's Licence No.
G.Hart & Sons Well Drilling Ltd.	2662

Business Address (street name, number, city etc.)
Box 850, Fenelon Falls, ON

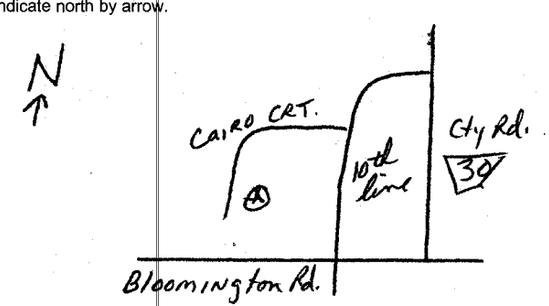
Name of Well Technician (last name, first name)	Well Technician's Licence No.
Turnbull James	T-3089

Signature of Technician/Contractor: X [signature]

Date Submitted YYYY MM DD

Location of Well

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



Audit No. Z 45694

Date Well Completed YYYY MM DD: 2006 05 19

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

Date Delivered YYYY MM DD

Ministry Use Only

Data Source

Contractor 2662

Date Received JUN 27 2006 YYYY MM DD

Date of Inspection YYYY MM DD

Remarks

Well Record Number

0506E (09/03)

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

Cette formule est disponible en français

Ontario Ministry of the Environment

Well Tag Number (Plate number below): A035530

A035530

Well Record

Regulation 903 Ontario Water Resources Act

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- Please print clearly in blue or black ink only.

Ministry Use Only

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Well Owner's Information and Location of Well Information

First Name	Last Name	Mailing Address (Street Number/Name, RR, Lot, Concession)
Chiavatti Homes	Limited	7725 Birchmount Rd., Unit#37

County/District/Municipality	Township/City/Town/Village	Province	Postal Code	Telephone Number (include area code)
	Markham	Ontario	L3R 9X3	

Address of Well Location (County/District/Municipality)	Township	Lot	Concession
York	Whitchurch-Stouffville	Pt.11	9

RR#/Street Number/Name	City/Town/Village	Site/Compartment/Block/Tract etc.
Cairo Court		Lot 5

GPS Reading	NAD	Zone	Easting	Northing	Unit Make/Model	Mode of Operation
	83	17	640895	4874806	Magellan	☐ Undifferentiated ☒ Averaged ☐ Differentiated, specify

Log of Overburden and Bedrock Materials (see instructions)

General Colour	Most common material	Other Materials	General Description	Depth From	Depth To
Black	Topsoil			0	½
Brown	Clay	silt & gravel		½	17
Gray	Clay	some gravel		17	35
Brown	Sand	clay & gravel		35	40
Brown	Sand	gravel		40	52
Brown	Clay	sand		52	65
Brown	Sand	some gravel		65	115

Hole Diameter

Depth From	Depth To	Diameter
0	20	10"
20	115	6"

Water Record

Water found at Metres	Kind of Water		
111 to 115	☐ Fresh	☐ Sulphur	☐ Gas ☐ Salty ☐ Minerals ☐ Other: UNTESTED
___ m	☐ Fresh	☐ Sulphur	☐ Gas ☐ Salty ☐ Minerals ☐ Other:
___ m	☐ Fresh	☐ Sulphur	☒ Gas ☐ Salty ☐ Minerals ☐ Other:

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

Chlorinated ☒ Yes ☐ No

Construction Record

Casing

Inside diam (INCHES)	Material	Wall thickness (INCHES)	Depth From	Depth To
6¼	☒ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	.188	+2½	111
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			

Screen

Outside diam	Material	Slot No.	Depth From	Depth To
6	☒ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	20	111	115

No Casing or Screen

☐ Open hole

Test of Well Yield

Pumping test method: Pump

Pump intake set at (metres): 100ft.

Pumping rate (litres/min): 12gpm

Duration of pumping: 1 hrs + ___ min

Final water level end of pumping: 48.1 ft (metres)

Recommended pump type: ☐ Shallow ☒ Deep

Recommended pump depth: 100ft. (metres)

Recommended pump rate: 10gpm (litres/min)

If flowing give rate - (litres/min):

If pumping discontinued, give reason:

	Draw Down Time min	Draw Down Water Level (Metres)	Recovery Time min	Recovery Water Level (Metres)
Static Level		46		
1		48.1	1	46.2
2		48.1	2	46.2
3		48.1	3	46.2
4		48.1	4	46.2
5		48.1	5	46.2
10		48.1	10	46.2
15		48.1	15	46.2
20		48.0	20	46.2
25		48.0	25	46.2
30		48.1	30	46.2
40		48.1	40	46.2
50		48.1	50	46.2
60		48.1	60	46.2

Plugging and Sealing Record

☒ Annular space ☐ Abandonment

Depth set at - From	Depth set at - To	Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)
20	4	Benseal & Ez-mud	
4	0	Holeplug	

Method of Construction

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

Water Use

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

Final Status of Well

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

Well Contractor/Technician Information

Name of Well Contractor	Well Contractor's Licence No.
G.Hart & Sons Well Drilling Ltd.	2662

Business Address (street name, number, city etc.): Box 850, Fenelon Falls, ON

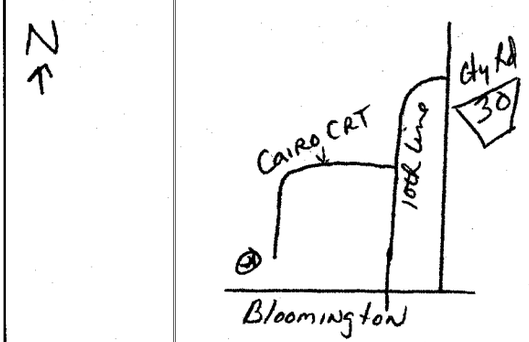
Name of Well Technician (last name, first name)	Well Technician's Licence No.
Turnbull James	T-3089

Signature of Technician/Contractor: X [signature]

Date Submitted YYYY MM DD

Location of Well

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



Audit No. Z 45695

Date Well Completed YYYY MM DD: 2006 05 23

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

Date Delivered YYYY MM DD

Ministry Use Only

Data Source

Contractor: 2662

Date Received YYYY MM DD: JUN 27 2006

Date of Inspection YYYY MM DD

Remarks

Well Record Number

0506E (09/03)

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

Cette formule est disponible en français

Ontario | Ministry of the Environment

Well Tag Number (Place sticker and print number below): A 035535 / A 035535

Well Record

Regulation 903 Ontario Water Resources Act

page ___ of ___

Instructions for Completing Form

- For use in the **Province of Ontario** only. This document is a permanent **legal** document. Please retain for future reference.
- All Sections **must** be completed in full to avoid delays in processing. Further instructions and explanations are available on the back of this form.
- Questions regarding completing this application can be directed to the Water Well Management Coordinator at 416-235-6203.
- **All metre measurements shall be reported to 1/10th of a metre.**
- Please print clearly in blue or black ink only.

Ministry Use Only

MUN | CON | LOT

Well Owner's Information and Location of Well Information

First Name	Last Name	Mailing Address (Street Number/Name, RR,Lot,Concession)
Chiavatti Homes	Limited	7725 Birchmount Rd., Unit 37

County/District/Municipality	Township/City/Town/Village	Province	Postal Code	Telephone Number (include area code)
	Markham	Ontario	L3R 9X3	

Address of Well Location (County/District/Municipality)	Township	Lot	Concession
York	Whitchurch-Stouffville	Pt.11	9

RR#/Street Number/Name	City/Town/Village	Site/Compartment/Block/Tract etc.
Cairo Court		Lot 4

GPS Reading	NAD	Zone	Easting	Northing	Unit Make/Model	Mode of Operation
	83	17	6409 27	487481 4	Magellan	☐ Undifferentiated ☒ Averaged ☐ Differentiated, specify

Log of Overburden and Bedrock Materials (see instructions)

General Colour	Most common material	Other Materials	General Description	Depth From	Depth To
Black	Topsoil			0	1
Brown	Silt			1	4
Brown	Silt	clay	some black	4	11
Brown	Silt	gravel		11	21
Brown	Clay	silty & some gravel		21	46
Brown	Sand	gravel		46	109
Brown	Sand	some gravel		109	116

Hole Diameter

Depth From	Depth To	Diameter
0	20	10"
20	116	6"

Water Record

Water found at	Kind of Water
112	☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other: UNTESTED
___ m	☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:
___ m	☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:

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

Chlorinated ☒ Yes ☐ No

Construction Record

Casing

Inside diam	Material	Wall thickness	Depth From	Depth To
INCHES	☒ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
6¼		.188	+2½	112
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			

Screen

Outside diam		Slot No.		
	☒ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
6		12	112	116

No Casing or Screen

☐ Open hole

Test of Well Yield

Pumping test method: Pump

Pump intake set at - (metres) 100ft

Pumping rate - (litres/min) 12gpm

Duration of pumping 1 hrs + ___ min

Final water level end of pumping 52.5ft metres

Recommended pump type. ☐ Shallow ☒ Deep

Recommended pump depth. 100 ft metres

Recommended pump rate. 10gpm (litres/min)

If flowing give rate - (litres/min)

If pumping discontinued, give reason.

	Draw Down Time min	Draw Down Water Level Metres	Recovery Time min	Recovery Water Level Metres
Static Level		48.4		
1		52.2	1	47.5
2		52.6	2	48.4
3		52.5	3	48.4
4		52.5	4	48.4
5			5	
10			10	
15			15	
20			20	
25			25	
30			30	
40			40	
50			50	
60		52.5	60	48.4

Plugging and Sealing Record

☒ Annular space ☐ Abandonment

Depth set at - From	Depth set at - To	Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)
20	6	Benseal & Ezmud	
6	0	Holeplug	

Method of Construction

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

Water Use

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

Final Status of Well

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

Well Contractor/Technician Information

Name of Well Contractor	Well Contractor's Licence No.
G.Hart & Sons Well Drilling Ltd.	2662

Business Address (street name, number, city etc.): Box 850, Fenelon Falls, ON

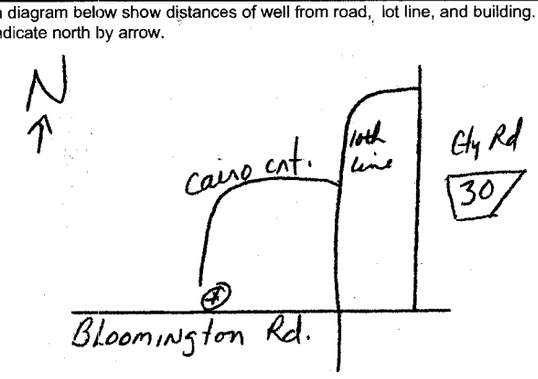
Name of Well Technician (last name, first name)	Well Technician's Licence No.
Turnbull, James	T-3089

Signature of Technician/Contractor: X Clark W

Date Submitted YYYY MM DD

Location of Well

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



Audit No.	Date Well Completed YYYY MM DD
Z 45693	2006 05 25

Was the well owner's information package delivered?	Date Delivered YYYY MM DD
☐ Yes ☐ No	

Ministry Use Only

Data Source	Contractor
	2662
Date Received YYYY MM DD: NOV 07 2006	Date of Inspection YYYY MM DD
Remarks	Well Record Number

0506E (09/03) Contractor's Copy ☐ Ministry's Copy ☐ Well Owner's Copy ☐ *Cette formule est disponible en français*

Ontario Ministry of the Environment

Well Tag | A 052982 (r below)

A 052982

Well Record

Regulation 903 Ontario Water Resources Act

page 1 of 1

Instructions for Completing Form

- For use in the **Province of Ontario** only. This document is a permanent **legal** document. Please retain for future reference.
- All Sections **must** be completed in full to avoid delays in processing. Further instructions and explanations are available on the back of this form.
- Questions regarding completing this application can be directed to the Water Well Help Desk (Toll Free) at 1-888-396-9355.
- **All metre measurements shall be reported to 1/10th of a metre.**
- Please print clearly in blue or black ink only.

Ministry Use Only

MUN | CON | LOT

[redacted]

Address of Well Location (County/District/Municipality): UXBRIDGE INDUSTRIAL PARK | Township | Lot | Concession

RR#/Street Number/Name: ANDERSON BLVD. | City/Town/Village: UXBRIDGE | Site/Compartment/Block/Tract etc.

GPS Reading: NAD 83 | Zone 17 | Easting 641973 | Northing 4876176 | Unit Make/Model | Mode of Operation: ☐ Undifferentiated ☐ Averaged ☐ Differentiated, specify

Log of Overburden and Bedrock Materials (see instructions)

General Colour	Most common material	Other Materials	General Description	Depth From	Depth To (Metres)
	WELL ABANDONMENT RECORD				
	• ABANDON WELL IN-SITU				
	• INSTALL SAND IN SCREENED INTERVAL				
	• BENTONITE GROUT TO SURFACE.				

Hole Diameter

Depth From	Depth To (Metres)	Diameter (Centimetres)
0	122'	8¼"

Water Record

Water found at ___ Metres / Kind of Water

- ___ m ☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:
- ___ m ☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:
- N/A m ☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:

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

Chlorinated ☐ Yes ☐ No

Construction Record

Inside diam centimetres	Material	Wall thickness centimetres	Depth From	Depth To (Metres)
Casing				
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	N/A		
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
Screen				
Outside diam	☐ Steel ☑ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	Slot No.		
No Casing or Screen				
	☐ Open hole			

Test of Well Yield

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

N/A

FT Plugging and Sealing Record ☐ Annular space ☑ Abandonment

Depth set at - Metres From	To	Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)
0	15'	BENTONITE HOLEPLUG	
15'	99'	BENTONITE GROUT	
99'	101'	BENTONITE HOLEPLUG	
101'	122'	SILICA SAND	

Method of Construction

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

Water Use

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

Final Status of Well

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

Well Contractor/Technician Information

Name of Well Contractor: LANTECH DRILLING SERVICES INC. | Well Contractor's Licence No.: 6609

Business Address (street name, number, city etc.): 2661 MT. ALBERT ROAD, SHARON, ON

Name of Well Technician (last name, first name): MIKE SOKOLOW | Well Technician's Licence No.: T-2381

Signature of Technician/Contractor: X | Date Submitted YYYY MM DD: 2007 04 05

Location of Well

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

SEE ATTACHED

Audit No. Z 70829 | Date Well Completed YYYY MM DD: 2007 04 05

Was the well owner's information package delivered? ☐ Yes ☑ No | Date Delivered YYYY MM DD

Ministry Use Only

Data Source | Contractor 6809

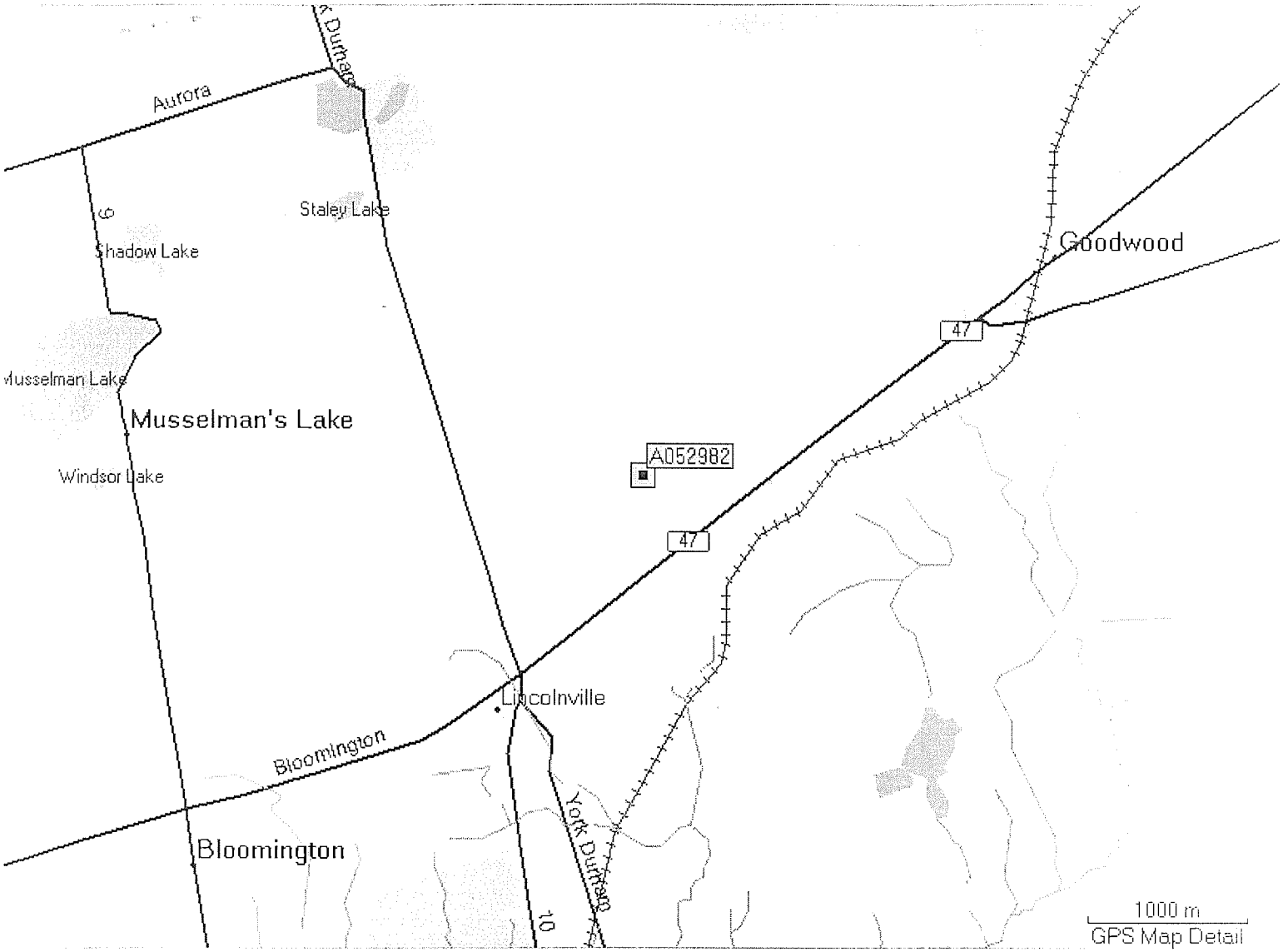
Date Received YYYY MM DD: MAY 28 2007 | Date of Inspection YYYY MM DD

Remarks | Well Record Number

0506E (08/2006)

Ministry's Copy

Cette formule est disponible en français



Z70829

16809

MAY 28 2007

Ontario Ministry of the Environment

Measurements recorded in: ☐ Metric ☑ Imperial

Well Tag No. (Place Sticker and/or Print Below) A081444

Well Record

Regulation 903 Ontario Water Resources Act

Page ___ of ___

[redacted]

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
29 Lincolnville Lane	Witchurch-Stouffville		

County/District/Municipality	City/Town/Village	Province	Postal Code
York	Stouffville	Ontario	L4A 7X4

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	17	640925	4874516		

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
Brown	Clay		Hard	0	32
Brown	Sand	Gravel	Coarse	32	45

Annular Space

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

Method of Construction

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

Well Use

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

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
6 1/4	Steel	219	0	42

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To
5 1/2	Steel	25	42	45

Status of Well

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

Water Details

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

Hole Diameter

Depth (m/ft) From	Depth (m/ft) To	Diameter (cm/in)

Results of Well Yield Testing

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

If pumping discontinued, give reason:

Pump intake set at (m/ft): 40

Pumping rate (l/min / GPM): 7

Duration of pumping: 1 hrs + ___ min

Final water level end of pumping (m/ft): 40

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

Recommended pump depth (m/ft): 40

Recommended pump rate (l/min / GPM): 7

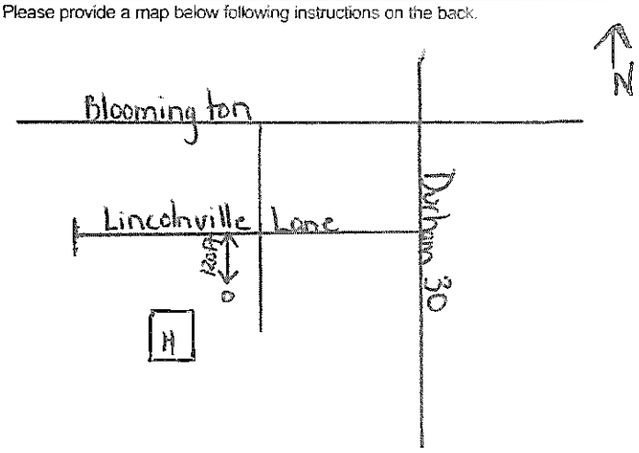
Well production (l/min / GPM):

Disinfected? ☑ Yes ☐ No

Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level	35		
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
50		50	
60		60	

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Roger Boadway Ent. Ltd.	1413

Business Address (Street Number/Name)	Municipality
Box 397, Sutton West	York

Province	Postal Code	Business E-mail Address
ON	L0E 1R0	boadwayservices@aol.com

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)
9057225362	Boadway, Grant

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
0029	Roger Boadway	2009 08 04

Ministry's Copy

Well owner's information package delivered	Date Package Delivered	Ministry Use Only
☐ Yes ☐ No	Y Y Y Y M M D D	Audit No. Z 101130
	Date Work Completed: 2009 08 12	SEP 16 2009 Received

0506E (12/2007)

Ontario — Ministry of the Environment

Measurements recorded in: ☐ Metric ☑ Imperial

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

A 095335 A095335

Well Record

Regulation 903 Ontario Water Resources Act

Page ____ of ____

[redacted]

Well Location

Address of Well Location (Street Number/Name): 3199 York-Durham Line 30

Township | Lot | Concession

County/District/Municipality

City/Town/Village: Stouffville

Province: Ontario | Postal Code

UTM Coordinates NAD 83 | Zone: 17 | Easting: 641669 | Northing: 4874389

Municipal Plan and Sublot Number | Other

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
Brown	Fill		moist	0	4
Brown	clay		moist	4	16
Brown	clay	Sand	wet	16	22
Grey	clay		wet	22	28

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
28	21	Sand	
21	1	Bentonite	
1	0	Sand, Flushmount, Concrete	

Method of Construction

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

Well Use

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

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
2"	Plastic	Sch 40	23	0

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To
2"	Plastic	10	28	23

Status of Well

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

Water Details

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

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)
28	0	8"

Results of Well Yield Testing

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

If pumping discontinued, give reason:

Pump intake set at (m/ft)

Pumping rate (l/min / GPM)

Duration of pumping ____ hrs + ____ min

Final water level end of pumping (m/ft)

If flowing give rate (l/min / GPM)

Recommended pump depth (m/ft)

Recommended pump rate (l/min / GPM)

Well production (l/min / GPM)

Disinfected? ☐ Yes ☐ No

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

Map of Well Location

Please provide a map below following instructions on the back.

See map

Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor: Profile Drilling | Well Contractor's Licence No.: 7215

Business Address (Street Number/Name): 149 Norfinch DR Units 4-8 | Municipality: North York

Province: ON | Postal Code: M3N1Y2 | Business E-mail Address: Jason@Profiledrilling.com

Bus. Telephone No. (inc. area code): 4165064944 | Name of Well Technician (Last Name, First Name): Slocki, Jason

Well Technician's Licence No.: 2978 | Signature of Technician and/or Contractor | Date Submitted: 2010/02/18

Well owner's information package delivered ☐ Yes ☐ No

Date Package Delivered: YYYY MM DD

Date Work Completed: 2010/01/28

Ministry Use Only

Audit No. Z110069

Received MAR 19 2010

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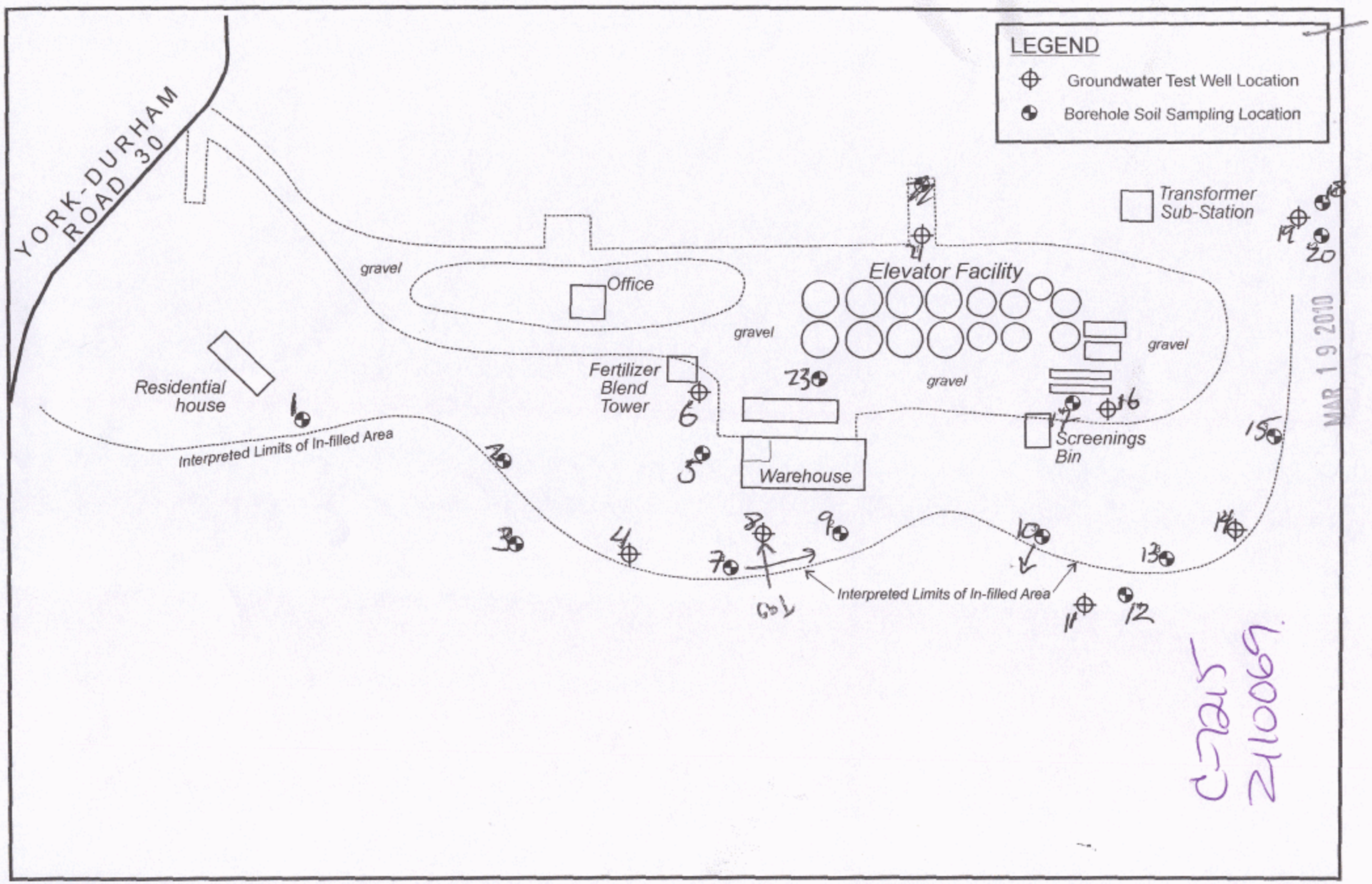


Sendex Environmental Corp.

N W E S

NOTES

0m 50m
0ft 100ft

December 2009

FIGURE 4

PROPOSED SOIL AND GROUNDWATER SAMPLING LOCATIONS

St. Lawrence Grains & Farm Supply Facility
3199 York-Durham Line 30, Stouffville, Ontario

PHASE II ENVIRONMENTAL SITE ASSESSMENT

file: s2999

C-7215
210069

Ontario — Ministry of the Environment

Measurements recorded in: ☐ Metric ☑ Imperial

Well Tag No. *(Place Sticker and/or Print Below)* **A 088308**

Well Record

Regulation 903 Ontario Water Resources Act

Page 1 of 1

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	☐ Well Constructed by Well Owner
St	Lawrance Grains		

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

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
York Durham Town Line	Uxbridge	12	1

County/District/Municipality	City/Town/Village	Province	Postal Code
Durham	Uxbridge	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 8 3	17	641602	4874462		

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
	Bentonite Slurry			0	85
	Hole Plug			85	88
	Silica sand			88	98

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m^3/ft^3)

Method of Construction

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

Well Use

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

Construction Record - Casing

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

Construction Record - Screen

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

Status of Well

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

Water Details

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

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)
0	98	6"

Results of Well Yield Testing

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

If pumping discontinued, give reason:

Pump intake set at *(m/ft)*

Pumping rate *(l/min / GPM)*

Duration of pumping ____ hrs + ____ min

Final water level end of pumping *(m/ft)*

If flowing give rate *(l/min-/ GPM)*

Recommended pump depth *(m/ft)*

Recommended pump rate *(l/min / GPM)*

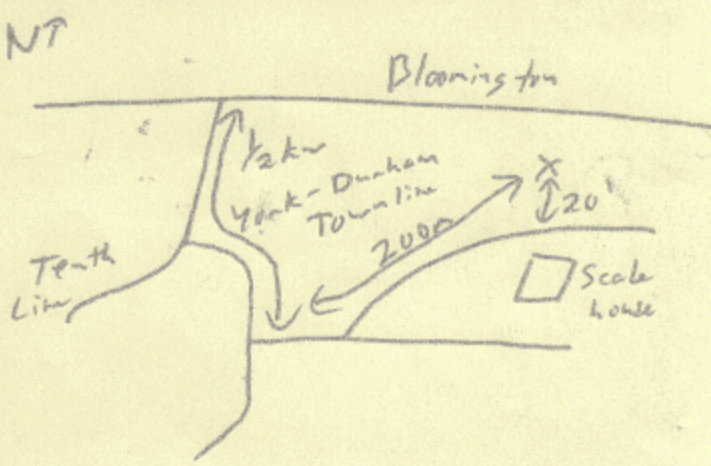
Well production *(l/min / GPM)*

Disinfected? ☑ Yes ☐ No

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

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Wilson's Water Well Ltd.	5459

Business Address (Street Number/Name)	Municipality
13787 Hwy 48	Stouffville

Province	Postal Code	Business E-mail Address
ON	L4A7X3	

Bus. Telephone No. *(inc. area code)*	Name of Well Technician (Last Name, First Name)
9056404369	Ferguson, Eric

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
3490		2010/05/10

Well owner's information package delivered ☐ Yes ☐ No

Date Package Delivered: Y Y Y Y M M D D

Date Work Completed: 2010/05/10

Ministry Use Only

Audit No. Z 81578

JUN 08 2010 Received

0506E (12/2007)

Contractor's Copy

Ontario — Ministry of the Environment

Measurements recorded in: ☐ Metric ☑ Imperial

Well Tag No. *(Place Sticker and/or Print Below)* 9001502

Well Record

Regulation 903 Ontario Water Resources Act

Page 1 of 1

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	☐ Well Constructed by Well Owner
York	Region		

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

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
Lincoln Hills Lane	Whitchurch	10	9

County/District/Municipality	City/Town/Village	Province	Postal Code
York	Stouffville	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	17	641038	4874657		

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
	Portland cement			0	50
	Hole plug			50	52
	Pea gravel			52	65

Annular Space

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

Method of Construction

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

Well Use

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

Construction Record - Casing

Inside Diameter *(cm/in)*	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness *(cm/in)*	Depth (m/ft) From	Depth (m/ft) To

Construction Record - Screen

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

Status of Well

☐ Water Supply ☐ Replacement Well ☐ Test Hole ☐ Recharge Well ☐ Dewatering Well ☐ Observation and/or Monitoring Hole ☐ Alteration (Construction) ☐ Abandoned, Insufficient Supply ☐ Abandoned, Poor Water Quality ☑ Abandoned, other, *specify* not needed. ☐ Other, *specify* _____

Water Details

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

Hole Diameter

Depth (m/ft) From	Depth (m/ft) To	Diameter *(cm/in)*
0	65'	2"

Results of Well Yield Testing

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

If pumping discontinued, give reason:

Pump intake set at *(m/ft)*

Pumping rate *(l/min / GPM)*

Duration of pumping _____ hrs + _____ min

Final water level end of pumping *(m/ft)*

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

Recommended pump depth *(m/ft)*

Recommended pump rate *(l/min / GPM)*

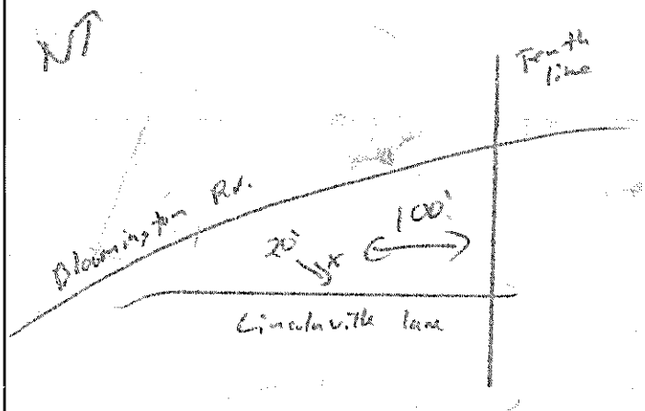
Well production *(l/min / GPM)*

Disinfected? ☑ Yes ☐ No

	Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level		95'		
1			1	
2			2	
3			3	
4			4	
5			5	
10			10	
15			15	
20			20	
25			25	
30			30	
40			40	
50			50	
60			60	

Map of Well Location

Please provide a map below following instructions on the back.



Comments: BH05-3-11

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Wilson's Water Wells Ltd.	5459

Business Address (Street Number/Name)	Municipality
13787 Hwy 48	Stouffville

Province	Postal Code	Business E-mail Address
ON	L4A7X3	

Bus. Telephone No. *(inc. area code)*	Name of Well Technician (Last Name, First Name)
9056404369	Ferguson, Eric

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
3490		2012/01/18

Well owner's information package delivered	Date Package Delivered	Date Work Completed
☐ Yes ☐ No		2011/12/08

Ministry Use Only

Audit No. Z 115987

Received JAN 26 2012

Ontario — Ministry of the Environment

Measurements recorded in: ☐ Metric ☑ Imperial

Well Tag No. *(Place Sticker and/or Print Below)* A088262

Well Record

Regulation 903 Ontario Water Resources Act

Page 1 of 1

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	☐ Well Constructed by Well Owner
York	Region		

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

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
Lincoln Lincolnville Ln	W Gwillimbury	10	9

County/District/Municipality	City/Town/Village	Province	Postal Code
York	Stouffville	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	17	641045	4857465		

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
	Bentonite slurry			0	120'
	Hole plug			120	124'
	Pea gravel			124	137'

Annular Space

Depth Set at (m/ft) From	Depth Set at (m/ft) To	Type of Sealant Used (Material and Type)	Volume Placed (m^3/ft^3)

Method of Construction

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

Well Use

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

Construction Record - Casing

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

Construction Record - Screen

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

Status of Well

☐ Water Supply
☐ Replacement Well
☐ Test Hole
☐ Recharge Well
☐ Dewatering Well
☐ Observation and/or Monitoring Hole
☐ Alteration (Construction)
☐ Abandoned, Insufficient Supply
☐ Abandoned, Poor Water Quality
☑ Abandoned, other, *specify* not needed
☐ Other, *specify* _____

Water Details

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

Hole Diameter

Depth (m/ft) From	Depth (m/ft) To	Diameter (cm/in)
0	137	6"

Results of Well Yield Testing

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

If pumping discontinued, give reason:

Pump intake set at *(m/ft)*

Pumping rate *(l/min / GPM)*

Duration of pumping _____ hrs + _____ min

Final water level end of pumping *(m/ft)*

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

Recommended pump depth *(m/ft)*

Recommended pump rate *(l/min / GPM)*

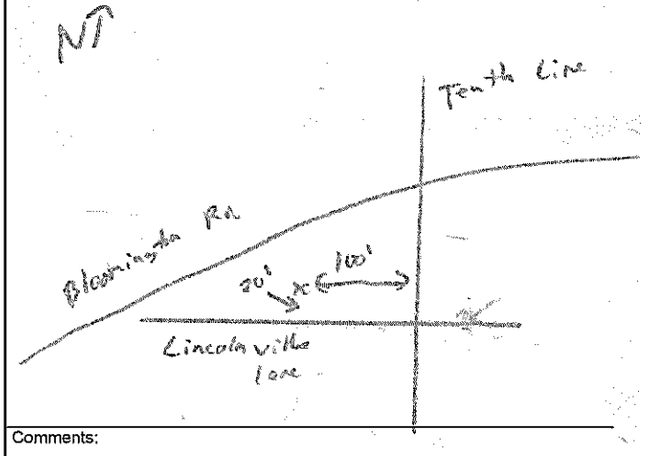
Well production *(l/min / GPM)*

Disinfected? ☑ Yes ☐ No

	Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level	35'			
1			1	
2			2	
3			3	
4			4	
5			5	
10			10	
15			15	
20			20	
25			25	
30			30	
40			40	
50			50	
60			60	

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

TW03-6B

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Wilson's Water Wells Ltd.	5459

Business Address (Street Number/Name)	Municipality
13727 Hwy 48	Stouffville

Province	Postal Code	Business E-mail Address
ON	L4A7X3	

Bus. Telephone No. *(inc. area code)*	Name of Well Technician (Last Name, First Name)
9056404369	Ferguson, Eric

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
3490		2011/10/06

Well owner's information package delivered	Date Package Delivered	Date Work Completed
☐ Yes ☐ No		2011/10/06

Ministry Use Only

Audit No. Z115986

Received JAN 26 2012

Contractor's Copy

Ontario — Ministry of the Environment

Measurements recorded in: ☐ Metric ☑ Imperial

Well Tag A113019 (ow)
A113019

Well Record

Regulation 903 Ontario Water Resources Act

Page 1 of 1

[redacted]

Address of Well Location (Street Number/Name)	Township	Lot	Concession
E/2 Lincanville [redacted] LN	whit-stauff	10	10

County/District/Municipality	City/Town/Village	Province	Postal Code
York	Stouffville	Ontario	L4A 7X4

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 8 3	17	64 11 69	48 74 7 15		

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
Brown	Sand / Clay			0	4
Brown	Clay / Gravel			4	21
Brown	Gravel / Sand		Cemented	21	36
Brown	Sand			36	42

Annular Space

Depth Set at (m/ft) From	Depth Set at (m/ft) To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
0	4	Hole Plug	4 Bags
4	21	"Quick Grout"	52 Gallons

Method of Construction

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

Well Use

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

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
8.25	Steel	.188	0	20
6.25	Steel	.188	+2	36

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To
5.5	Stainless	.010	36	42
5.5	Steel	C/P	34	36

Status of Well

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

Water Details

Water found at Depth	Kind of Water	Hole Diameter Depth From	Hole Diameter Depth To	Hole Diameter (cm/in)
36 (m/ft) ☐ Gas ☐ Other, specify	☑ Fresh ☐ Untested	0	20	9
(m/ft) ☐ Gas ☐ Other, specify	☐ Fresh ☐ Untested	20	42	6.6
(m/ft) ☐ Gas ☐ Other, specify	☐ Fresh ☐ Untested			

Results of Well Yield Testing

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

If pumping discontinued, give reason: /

Pump intake set at (m/ft): 38 FT

Pumping rate (l/min / GPM): 12 GPM

Duration of pumping: 1 hrs + 00 min

Final water level end of pumping (m/ft): 34.2 FT

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

Recommended pump depth (m/ft): 38 FT

Recommended pump rate (l/min / GPM): 12 GPM

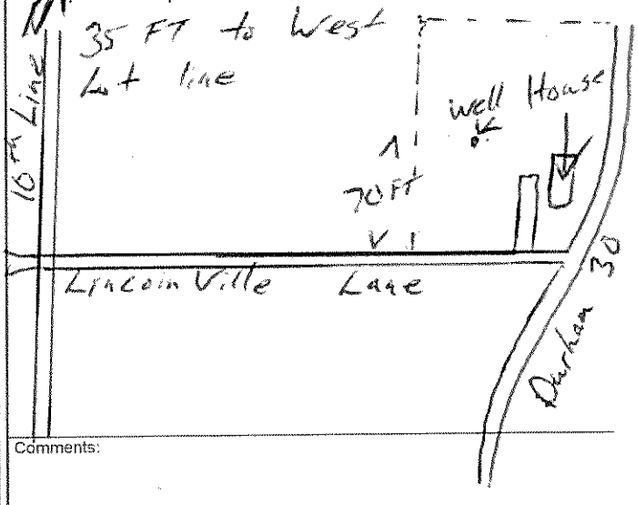
Well production (l/min / GPM): 12 GPM

Disinfected? ☑ Yes ☐ No

	Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level	32.2			
1	34.1	1	32.3	
2	34.1	2	32.2	
3	34.2	3	32.2	
4	34.2	4	32.2	
5	34.2	5	32.2	
10	34.2	10	32.2	
15	34.2	15	32.2	
20	34.2	20	32.2	
25	34.2	25	32.2	
30	34.2	30	32.2	
40	34.2	40	32.2	
50	34.2	50	32.2	
60	34.2	60	32.2	

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Dale Baranieski Well Drilling	2350

Business Address (Street Number/Name)	Municipality
2497 Vivian Rd	Newmarket

Province	Postal Code	Business E-mail Address
ON	L3Y 4W1	

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)
9058957342	Baranieski, Dale

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
2550	[signature]	Y Y Y Y M M D D

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

Date Package Delivered: 2012/06/22

Date Work Completed: 2012/06/22

Ministry Use Only

Audit No. Z 128286

Received AUG 02 2012

Ministry's Copy

7281687

ATTEC

Ontario — Ministry of the Environment and Climate Change

Measurements recorded in: ☐ Metric ☑ Imperial

Well Tag No. *(Place Sticker and/or Print Below)* A193525

Well Record

Regulation 903 Ontario Water Resources Act

Page 1 of 1

REGIONAL MUNICIPALITY OF NIAGARA

Address of Well Location (Street Number/Name)	Township	Lot	Concession
40 Lighthouse Rd.			

County/District/Municipality	City/Town/Village	Province	Postal Code
R.M. OF NIAGARA	Port Dalhousie	Ontario	L2N 7NP

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	17	641380	4784631		

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
Grey	Silt	Sand	Stiff	0'	12'
Brown	Gravel	Silt	Stiff	12'	22'
Red	Silt	Gravel	hard	22'	30'
	"CLUSTER OF 6 MONITORING WELLS"				

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
0'	13'	3/8" Bentonite	200 LBS
13'	25'	#3 Sand	200 LBS

Method of Construction

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

Well Use

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

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
2"	PVC	1/16"	0'	15'

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To
2 1/8"	PVC	540	15'	30'

Status of Well

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

Water Details

Water found at Depth (m/ft)	Gas	Kind of Water: Fresh / Untested	Other, specify
15	☐	☐ / ☑	
	☐	☐ / ☐	
	☐	☐ / ☐	

Hole Diameter

Depth (m/ft) From	Depth (m/ft) To	Diameter (cm/in)
0'	30'	6"

Results of Well Yield Testing

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

If pumping discontinued, give reason:

Pump intake set at (m/ft)

Pumping rate (l/min / GPM)

Duration of pumping ____ hrs + ____ min

Final water level end of pumping (m/ft)

If flowing give rate (l/min / GPM)

Recommended pump depth (m/ft)

Recommended pump rate (l/min / GPM)

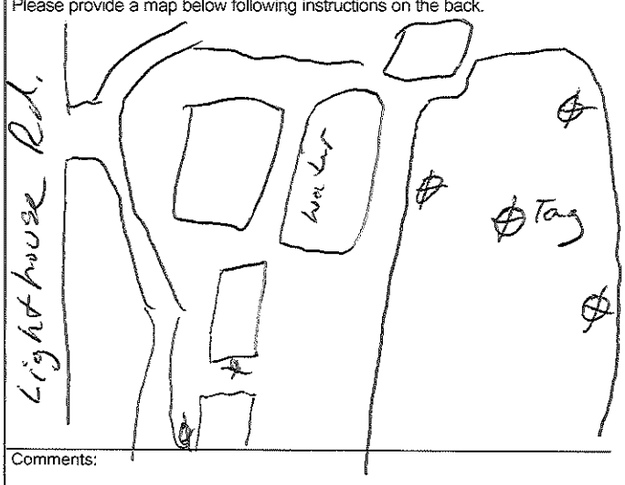
Well production (l/min / GPM)

Disinfected? ☐ Yes ☒ No

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

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
ELITE DRILLING SERVICES	7148

Business Address (Street Number/Name)	Municipality
P.O. Box 20062	ST. CATHARINES

Province	Postal Code	Business E-mail Address
ON	L2M 7W7	

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)
905 687 8691	LIVINGSTON CHRIS

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
3579		2017 02 14

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

Date Package Delivered: Y Y Y Y M M D D

Date Work Completed: 2017 01 03

Ministry Use Only

Audit No. Z220738

FEB 24 2017

Received

0506E (2014/11)

Ministry's Copy

Ontario

Ministry of the Environment and Climate Change

Measurements recorded in: ☐ Metric ☑ Imperial

Well Tag No. (Place Barcode Sticker Below)
Tag#: A 222196
A222196

Well Record

Regulation 903 Ontario Water Resources Act

Page 1 of 1

[redacted]

Address of Well Location (Street Number/Name)	Township	Lot	Concession
3921 10th Line	Whitchurch	12	10
County/District/Municipality	**City/Town/Village**	**Province**	**Postal Code**
York	Stouffville	Ontario	
UTM Coordinates Zone / Easting / Northing	**Municipal Plan and Sublot Number**	**Other**	
NAD 83 17 / 644109 / 4875158			

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
Brown	Clay	Stones	Hard	0	24
Grey	Sand	gravel, silt	Packed	24	83
Grey	Clay	Silt, Stones	Hard	83	200
Grey	gravel	Sand	Hard	200	211

Annular Space

Depth Set at (m/ft) From	Depth Set at (m/ft) To	Type of Sealant Used (Material and Type)	Volume Placed (m^3/ft^3)
0	20'	Bentonite slurry	7.86 ft³

Method of Construction

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

Well Use

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

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
6"	Steel	.188"	0	205'

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To
6"	Steel	14	205	211'

Status of Well

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

Water Details

Water found at Depth (m/ft)	Kind of Water	
211' ☐ Gas	☑ Fresh ☑ Untested	☐ Other, *specify*
(m/ft) ☐ Gas	☐ Fresh ☐ Untested	☐ Other, *specify*
(m/ft) ☐ Gas	☐ Fresh ☐ Untested	☐ Other, *specify*

Hole Diameter

Depth (m/ft) From	Depth (m/ft) To	Diameter (cm/in)
0	20'	10"
0	211'	6"

Results of Well Yield Testing

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

If pumping discontinued, give reason:

Pump intake set at (m/ft): 180'

Pumping rate (l/min / GPM): 12 GPM

Duration of pumping: 1 hrs + 0 min

Final water level end of pumping (m/ft): 74.8

If flowing give rate (l/min / GPM)

Recommended pump depth (m/ft): 180'

Recommended pump rate (l/min / GPM): 20 GPM

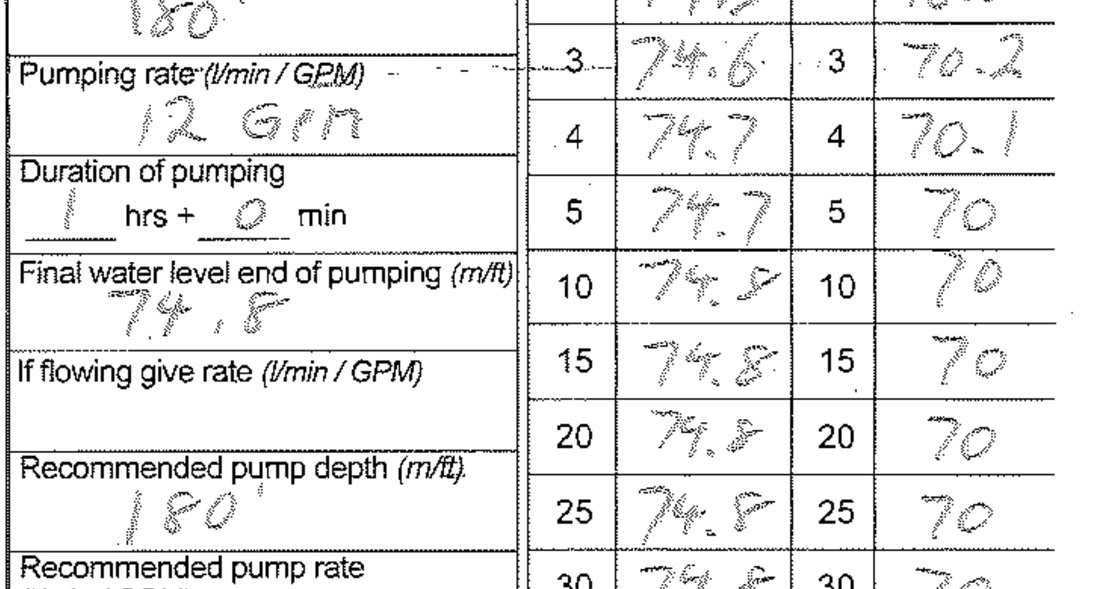
Well production (l/min / GPM): 50 + 9pm

Disinfected? ☑ Yes ☐ No

Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level	70'		
1	73.2	1	71.2
2	74.3	2	70.5
3	74.6	3	70.2
4	74.7	4	70.1
5	74.7	5	70
10	74.8	10	70
15	74.8	15	70
20	74.8	20	70
25	74.8	25	70
30	74.8	30	70
40	74.8	40	70
50	74.8	50	70
60	74.8	60	70

Map of Well Location

Please provide a map below following instructions on the back.



Comments: Chlorinated 200 ppm
Residual chlorine - 50 ppm → 2 hours

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Wilson's Water Wells Ltd.	5459
Business Address (Street Number/Name)	**Municipality**
13287 Hwy 48	Stouffville
Province	**Postal Code**
ON	L4A 7X3
Business E-mail Address	
Bus. Telephone No. (inc. area code)	**Name of Well Technician (Last Name, First Name)**
9056404369	Ferguson, Eric
Well Technician's Licence No.	**Signature of Technician and/or Contractor**
3490	[signature]
Date Submitted	
2018 07 06	

Well owner's information package delivered ☑ Yes ☐ No

Date Package Delivered: 2018 07 06

Date Work Completed: 2018 07 06

Ministry Use Only

Audit No. Z265425

JUL 13 2018

Received

0506E (2014/11)

Contractor's Copy

7336673

Ontario — Ministry of the Environment, Conservation and Parks

Measurements recorded in: ☐ Metric ☐ Imperial

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

Tag#:A268829

Well Record

Regulation 903 Ontario Water Resources Act

Page 1 of 1

NORTH COUNTRY PROPERTIES INC.

Well Location

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

County/District/Municipality	City/Town/Village	Province	Postal Code
	Uxbridge	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	17	642018	4871620 11		

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
	Gravel			0	5
	Silt	till	gravel	5	20

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m^3/ft^3)
8	0	Bentonite	

Method of Construction

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

Well Use

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

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
2"	Plastic	1/4	0	10

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To
2"	Plastic	.10	10	20

Status of Well

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

Water Details

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

Hole Diameter

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

Results of Well Yield Testing

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

If pumping discontinued, give reason:

Pump intake set at *(m/ft)*

Pumping rate *(l/min / GPM)*

Duration of pumping ____ hrs + ____ min

Final water level end of pumping *(m/ft)*

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

Recommended pump depth *(m/ft)*

Recommended pump rate *(l/min / GPM)*

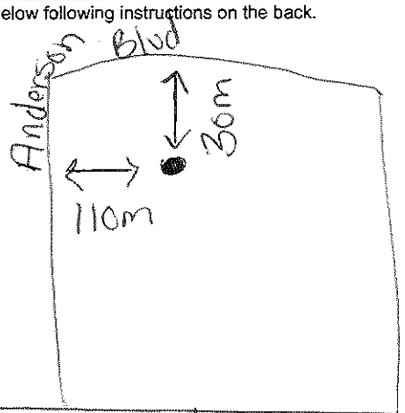
Well production *(l/min / GPM)*

Disinfected? ☐ Yes ☐ No

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

Map of Well Location

Please provide a map below following instructions on the back.



Anderson Blvd

Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Drilltech Drilling Ltd	7316 10

Business Address (Street Number/Name)	Municipality
1344 Kerrisdale Blvd	Newmarket

Province	Postal Code	Business E-mail Address
ON	L3Y 8N6	drilltech@drillingltd.com

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)
905 771 1397	Desbiens Gilles

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
3154		2019 07 10

Well owner's information package delivered ☐ Yes ☐ No

Date Package Delivered: Y Y Y Y M M D D

Date Work Completed: 2019 07 06

Ministry Use Only

Audit No. Z312323

Received JUL 15 2019

0506E (2018/12)

Ministry's Copy

7336674

Ontario — Ministry of the Environment, Conservation and Parks

Measurements recorded in: ☐ Metric ☐ Imperial

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

Tag#:A268828

Well Record

Regulation 903 Ontario Water Resources Act

Page 1 of 1

NORTH COUNTRY PROPERTIES INC.

Address of Well Location (Street Number/Name)	Township	Lot	Concession
Anderson Blvd			
County/District/Municipality	**City/Town/Village**	**Province**	**Postal Code**
	Uxbridge	Ontario	
UTM Coordinates NAD 83 — Zone	Easting	Northing	**Municipal Plan and Sublot Number** / **Other**
17	642068	4876206	

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
	Gravel			0	5
	Silt	till	Gravel	5	20

Annular Space

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

Method of Construction

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

Well Use

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

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
2"	Plastic	1/4	0	10

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To
2"	Plastic	.10	10	20

Status of Well

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

Water Details

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

Hole Diameter

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

Results of Well Yield Testing

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

If pumping discontinued, give reason:

Pump intake set at (m/ft)

Pumping rate (l/min / GPM)

Duration of pumping ____ hrs + ____ min

Final water level end of pumping (m/ft)

If flowing give rate (l/min / GPM)

Recommended pump depth (m/ft)

Recommended pump rate (l/min / GPM)

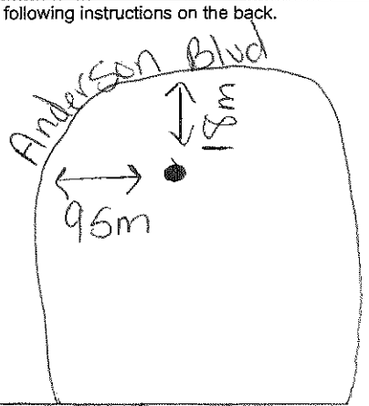
Well production (l/min / GPM)

Disinfected? ☐ Yes ☐ No

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

Map of Well Location

Please provide a map below following instructions on the back.



Anderson Blvd

Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Drilltech Drilling Ltd	7316
Business Address (Street Number/Name)	**Municipality**
1344 Kerrisdale Blvd	Newmarket
Province	**Postal Code**	**Business E-mail Address**
ON	L3Y 8V6	drilltech@drillingltd.com
Bus. Telephone No. (inc. area code)	**Name of Well Technician (Last Name, First Name)**
905 715 3977	Desbiens Gilles
Well Technician's Licence No.	**Signature of Technician and/or Contractor**	**Date Submitted**
31547		2019/07/16

Well owner's information package delivered ☐ Yes ☐ No

Date Package Delivered: Y Y Y Y M M D D

Date Work Completed: 2019/07/05

Ministry Use Only

Audit No. Z312327

Received JUL 15 2019

0506E (2018/12)

Ministry's Copy

7336675

Ontario — Ministry of the Environment, Conservation and Parks

Measurements recorded in: ☐ Metric ☐ Imperial

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

Tag#:A268827

Well Record

Regulation 903 Ontario Water Resources Act

Page 1 of 1

NORTH COUNTRY PROPERTIES

Well Location

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

County/District/Municipality	City/Town/Village	Province	Postal Code
	Uxbridge	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	17	642069	4871619		

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
	Gravel			0	5
	Silt	till	Gravel	5	30

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
18	0	Bentonite	

Method of Construction

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

Well Use

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

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
2"	Plastic	1/4	0	20

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To
2"	Plastic	.10	20	30

Status of Well

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

Water Details

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

Hole Diameter

Depth (m/ft) From	Depth (m/ft) To	Diameter (cm/in)
0	30	6

Results of Well Yield Testing

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

If pumping discontinued, give reason:

Pump intake set at *(m/ft)*

Pumping rate *(l/min / GPM)*

Duration of pumping ____ hrs + ____ min

Final water level end of pumping *(m/ft)*

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

Recommended pump depth *(m/ft)*

Recommended pump rate *(l/min / GPM)*

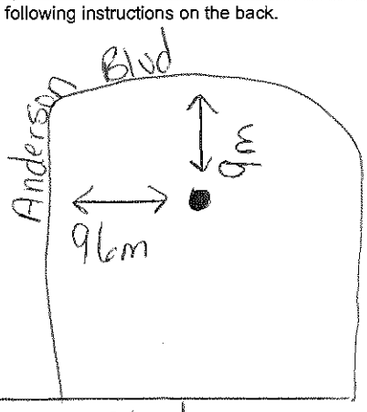
Well production *(l/min / GPM)*

Disinfected? ☐ Yes ☐ No

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

Map of Well Location

Please provide a map below following instructions on the back.



Anderson Blvd

Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
DrillTech Drilling Ltd	7131610

Business Address (Street Number/Name)	Municipality
1344 Kerrisdale Blvd	Newmarket

Province	Postal Code	Business E-mail Address
ON	L3Y8V6	drilltechdrilling@hotmail.com

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)
9053717139?7	Desbiens Gilles

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
31547		2019 07 10

Well owner's information package delivered	Date Package Delivered	Date Work Completed
☐ Yes ☐ No	Y Y Y Y M M D D	2019 07 06

Ministry Use Only

Audit No. Z312328

Received JUL 15 2019

0506E (2018/12) **Ministry's Copy**

Ontario — Ministry of the Environment and Climate Change

Measurements recorded in: ☐ Metric ☑ Imperial

Well Tag No. **Tag#: A250264**

A250264

Well Record

Regulation 903 Ontario Water Resources Act

[redacted]

Well Location

Address of Well Location (Street Number/Name): 5 Cairo Crt

Township: Whitchurch-Stouffville

Lot: 11

Concession: 9

County/District/Municipality: York

City/Town/Village: Whitchurch-Stouffville

Province: Ontario

Postal Code: L4A 1M9

UTM Coordinates NAD 83: Zone 17 Easting 640960 Northing 4857951

Municipal Plan and Sublot Number:

Other:

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	To
Brown	Clay	Gravel	Hard	0	17
Yellow	Gravel / Clay			17	51
Brown	Gravel		Loose	51	64
Brown	Sand / Silt			64	85
Brown	Clay / Silt		Soft	85	115
Brown	Sand		Clean	115	122

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
0	4	Hole Plug	2.5 Bags
4	20	Quick Grout	

Method of Construction

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

Well Use

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

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	To
6.25	Steel	.188	+2	118

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	To
5.6	Stainless	.008	118	122
5.6	Steel	S/N	116	118

Status of Well

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

Results of Well Yield Testing

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

If pumping discontinued, give reason: —

Pump intake set at (m/ft): 110 FT

Pumping rate (l/min / GPM): 20 GPM

Duration of pumping: 1 hrs + 00 min

Final water level end of pumping (m/ft): 68.1

If flowing give rate (l/min / GPM): —

Recommended pump depth (m/ft): 110 FT

Recommended pump rate (l/min / GPM): 20 GPM

Well production (l/min / GPM): 20+ GPM

Disinfected? ☑ Yes ☐ No

Draw Down Time (min)	Water Level (m/ft)	Recovery Time (min)	Water Level (m/ft)
Static Level	54.7		
1	638	1	58.9
2	66.7	2	56.1
3	67.5	3	55.1
4	67.8	4	54.9
5	67.9	5	54.7
10	68.1	10	54.7
15	68.1	15	54.7
20	68.1	20	54.7
25	68.1	25	54.7
30	68.1	30	54.7
40	68.1	40	54.7
50	68.1	50	54.7
60	68.1	60	54.7

Water Details

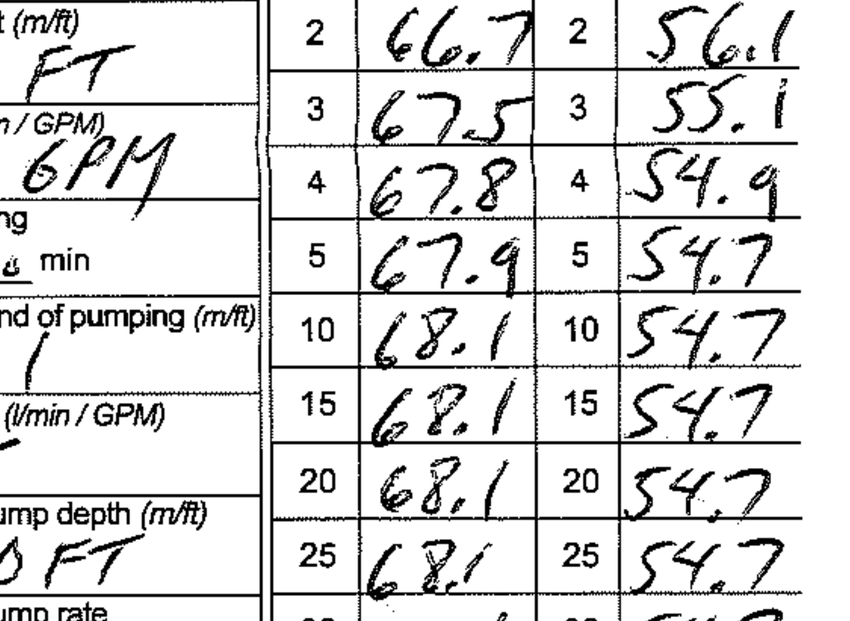
Water found at Depth	Kind of Water	
118 (m/ft) ☐ Gas	☑ Fresh ☐ Untested	☐ Other, *specify*
(m/ft) ☐ Gas	☐ Fresh ☐ Untested	☐ Other, *specify*
(m/ft) ☐ Gas	☐ Fresh ☐ Untested	☐ Other, *specify*

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)
0	20	9
20	122	6.6

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor: Dale Baraniecki Well Drilling LTD

Well Contractor's Licence No.: 1350

Business Address (Street Number/Name): 2497 Vivian Rd

Municipality: Stouffville

Province: ON

Postal Code: L4A 2W4

Business E-mail Address: —

Bus. Telephone No. (inc. area code): 9058957342

Name of Well Technician (Last Name, First Name): Baraniecki, Byron Dale

Well Technician's Licence No.: 2550

Signature of Technician and/or Contractor: Byron Baraniecki

Date Submitted: 2019/10/04

Well owner's information package delivered ☑ Yes ☐ No

Date Package Delivered: 2019/10/04

Date Work Completed: 2019/10/04

Ministry Use Only

Audit No. Z301201

Received OCT 30 2019

Notice of Collection of Personal Information

Personal information contained on this form is collected pursuant to sections 35-50 and 75(2) of the *Ontario Water Resources Act* and section 16.3 of the Wells Regulation. This information will be used for the purpose of maintaining a public record of wells in Ontario. This form and the information contained on the form will be stored in the Ministry's well record database and made publicly available. Questions about this collection should be directed to the Water Well Customer Service Representative at the Wells Help Desk, 125 Resources Road, Toronto Ontario M9P 3V6, at 1-888-396-9355 or wellshelpdesk@ontario.ca.

Fields marked with an asterisk (*) are mandatory.

Well Tag Number *
A277750

Type *

☑ Construction ☐ Abandonment

Measurement recorded in: *

☑ Metric ☐ Imperial

1. Well Owner's Information

Last Name and First Name, or Organization is mandatory. *

Last Name	First Name
[redacted]	

Organization	Email Address
Hans Steel Canada Corp.	[redacted]

Current Address

Unit Number	Street Number *	Street Name *	City/Town/Village
		[redacted]	

Country	Province	Postal Code	Telephone Number
Canada	Ontario	[redacted]	

2. Well Location

Address of Well Location

Unit Number	Street Number *	Street Name *	Township
	6	Sangster Road	Uxbridge

Lot	Concession	County/District/Municipality
14	1	Durham

City/Town	Province	Postal Code
Uxbridge	Ontario	L9P 0C7

UTM Coordinates	Zone *	Easting *	Northing *		Municipal Plan and Sublot Number
NAD 83	17	641155	4875305	Test UTM in Map	

Other

3. Overburden and Bedrock Material *

Well Depth * 4.6 (m)

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To

				(m)	(m)
Brown	Clay	Sand		0	4.6

4. Annular Space *

Depth From (m)	Depth To (m)	Type of Sealant Used (Material and Type)	Volume Placed (cubic metres)
0	2.8	bentonite	0.022
2.8	4.6	filter sand	0.027

5. Method of Construction *

☐ Cable Tool ☐ Rotary (Conventional) ☐ Rotary (Reverse) ☐ Boring ☐ Air percussion ☐ Diamond
☐ Jetting ☐ Driving ☐ Digging ☐ Rotary (Air) ☑ Augering ☐ Direct Push
☐ Other (specify) _____

6. Well Use *

☐ Public ☐ Industrial ☐ Cooling & Air Conditioning
☐ Domestic ☐ Commercial ☐ Not Used
☐ Livestock ☐ Municipal ☑ Monitoring
☐ Irrigation ☐ Test Hole ☐ Dewatering
☐ Other (specify) _____

7. Status of Well *

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

8. Construction Record - Casing * (use negative number(s) to indicate depth above ground surface)

Inside Diameter (cm)	Open Hole **or** Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness	Depth From (m)	Depth To (m)
5	Plastic	0.65	0	3.1

9. Construction Record - Screen

Outside Diameter (cm)	Material (Plastic, Galvanized, Steel)	Slot Number	Depth From (m)	Depth To (m)
6.3	Plastic	10	3.1	4.6

10. Water Details

Water found at Depth (m)	☐ Gas	Kind of water ☐ Fresh	☐ Untested	☐ Other

11. Hole Diameter

Depth From (m)	Depth To (m)	Diameter (cm)
0	4.6	11.4

12. Results of Well Yield Testing

☐ Pumping Discontinued

Explain _____

If flowing give rate

☐ Flowing _____ (L/min)

Draw down

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

Recovery

Time (min)	1	2	3	4	5	10	15	20	25	30	40	50	60
Water Level (m)													

After test of well yield, water was

☐ Clear and sand free ☐ Other (specify)

Pump intake set at (m)	Pumping rate (L/min)	Duration of pumping hrs + min	Final water level end of pumping (m)	Disinfected? * ☐ Yes ☑ No

Recommended pump depth (m)	Recommended pump rate (L/min)	Well production (L/min)

13. Map of Well Location *

Map 1. Please Click the map area below to import an image file to use as the map. ☐ Make map area bigger

14. Information

Well owner's information package delivered	Date Package Delivered (yyyy/mm/dd)	Date Work Completed (yyyy/mm/dd) *
☐ Yes ☑ No		2019/12/09

Comments

15. Well Contractor and Well Technician Information

Business Name of Well Contractor *	Well Contractor's License Number *
Sonic Soil Sampling Inc.	7147

Business Address

Unit Number	Street Number	Street Name *
15	668	Millway Avenue

City/Town/Village *	Province	Postal Code *
Concord	Ontario	L4K 3V2

Business Telephone Number	Business Email Address
905-660-0501	sonic@sonicsoil.com

Last Name of Well Technician *	First Name of Well Technician *	Well Technician's License Number *
Anderson	Greg	3398

16. Declaration *

☑ I hereby confirm that I am the person who constructed the well and I hereby confirm that the information on the form is correct and accurate.

Last Name	First Name	Email Address
Archibald	Alan	sonic@sonicsoil.com

Signature	Date Submitted (yyyy/mm/dd)
Alan Digitally signed by Alan DN: cn=Alan, o=Sonic Soil Sampling Inc., ou, email=sonic@sonnicsoil.com, c=CA Date: 2020.01.06 09:55:41 -05'00'	2020/01/06

17. Ministry Use Only

Audit Number

O6RW 7XLW

Ontario (https://www.ontario.ca/page/government-ontario)

Map: Well records

This map allows you to search and view well record information from reported wells in Ontario.

Full dataset is available in the Open Data catalogue (https://data.ontario.ca/dataset/well-records) .

Go Back to Map

Well ID

Well ID Number: 7355935
Well Audit Number: *Z317751*
Well Tag Number: *A275288*
This table contains information from the original well record and any subsequent updates.

Well Location

Address of Well Location	6 Sangster Rd
Township	WHITCHURCH-STOUFFVILLE TOWN (WHITCHURCH TWP)
Lot	

Concession	
County/District /Municipality	YORK
City/Town/Village	STOUFFVILLE
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 17 Easting: 641212.00 Northing: 4875075.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
	LOAM			0 ft	.5 ft
BRWN	SAND	SILT	FILL	.5 ft	5 ft

BRWN	CLAY	SILT	GRVL	5 ft	7.5 ft
BRWN	FSND	SILT	WBRG	7.5 ft	15 ft

Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed	
0 ft	8 ft	BENTONITE		

Method of Construction & Well Use

Method of Construction	Well Use	
Rotary (Convent.)		
	Monitoring and Test Hole	

Status of Well

Observation Wells

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
2 Inch	PLASTIC	0 ft	10 ft

Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To
2.125 inch	PLASTIC	10 ft	15 ft

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7247

Results of Well Yield Testing

After test of well yield, water was	
If pumping discontinued, give reason	
Pump intake set at	
Pumping Rate	

Duration of Pumping	
Final water level	
If flowing give rate	
Recommended pump depth	
Recommended pump rate	
Well Production	
Disinfected?	

Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	

5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
45		45	
50		50	
60		60	

Water Details

Water Found at Depth	Kind

Hole Diameter

Depth From	Depth To	Diameter
0 ft	15 ft	6 Inch

Audit Number: Z317751

Date Well Completed: December 05, 2019

Date Well Record Received by MOE: March 24, 2020

Related

How to use a Ministry of the Environment map (https://www.ontario.ca/page/how-use-ministry-environment-map#wells)

Technical documentation: Metadata record (https://data.ontario.ca/dataset/well-records/resource/3031344e-e3f2-48d5-888c-c1deadfd2f77)

Updated: October 18, 2021
Published: March 20, 2014

Ontario — Ministry of the Environment and Climate Change

GWIO - 11197394-01

Well Tag No. *(Place Sticker and/or Print Below)* A265172

Well Record

Regulation 903 Ontario Water Resources Act

Page 1 of 1

Measurements recorded in: ☐ Metric ☑ Imperial

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	☐ Well Constructed by Well Owner
	GRANDBOYS HOLDINGS INC.		

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. (inc. area code)
1453 OLD FOREST RD.	PICKERING	ONTARIO	L1V1N8	

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
3469 YORK DURHAM LINE			

County/District/Municipality	City/Town/Village	Province	Postal Code
	CEDAR VALLEY	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	17	617418	4874841		

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
Brown	Sand and Gravel, Fill			0	1
Grey	Silty Sand	w/ Gravel		1	2
light Brown to Grey	Silty Sand, Till	w/ Gravel, Occ. Cobbles	wet @ 12.5'	2	15

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m³/yd³)
0	8	Bentonite	1.42

Method of Construction

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

Well Use

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

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
2	PVC	1/8	0	10

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To
2 1/8	PVC	10	10	15

Status of Well

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

Water Details

Water found at Depth (m/ft)	Kind of Water	Hole Diameter Depth From (m/ft)	Depth To (m/ft)	Diameter (cm/in)
7.5 (m/ft) ☐ Gas	☐ Fresh ☑ Untested ☐ Other, specify	0	15	6
(m/ft) ☐ Gas	☐ Fresh ☐ Untested ☐ Other, specify			
(m/ft) ☐ Gas	☐ Fresh ☐ Untested ☐ Other, specify			

Results of Well Yield Testing

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

If pumping discontinued, give reason:

Pump intake set at (m/ft)

Pumping rate (l/min / GPM)

Duration of pumping _____ hrs + _____ min

Final water level end of pumping (m/ft)

If flowing give rate (l/min / GPM)

Recommended pump depth (m/ft)

Recommended pump rate (l/min / GPM)

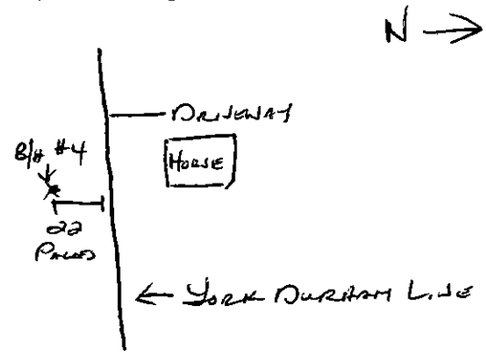
Well production (l/min / GPM)

Disinfected? ☐ Yes ☐ No

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

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
STRONG SOIL SEARCH INC.	7247

Business Address (Street Number/Name)	Municipality
5265 SIDELINE 16	CLARKMONT

Province	Postal Code	Business E-mail Address
ONTARIO	L1Y1A1	strongsoilsearchinc@bellnet.ca

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)
9056491115	NIETO, NELSON

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
3174		2020/03/24

Well owner's information package delivered ☐ Yes ☑ No

Date Package Delivered

Date Work Completed 2019/06/26

Ministry Use Only

Audit No. Z307816

MAR 25 2020

Received

0506E (2014/11)

Ministry's Copy

Ontario (https://www.ontario.ca/page/government-ontario)

Map: Well records

This map allows you to search and view well record information from reported wells in Ontario.

Full dataset is available in the Open Data catalogue (https://data.ontario.ca/dataset/well-records) .

Go Back to Map

Well ID

Well ID Number: 7377481
Well Audit Number: *Z323114*
Well Tag Number:
This table contains information from the original well record and any subsequent updates.

Well Location

Address of Well Location	
Township	UXBRIDGE TOWNSHIP (UXBRIDGE)
Lot	
Concession	

County/District/Municipality	DURHAM
City/Town/Village	
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 17 Easting: 642066.00 Northing: 4876224.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To

Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed

Method of Construction & Well Use

Method of Construction	Well Use

Status of Well

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To

Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 4102

Results of Well Yield Testing

After test of well yield, water was		
If pumping discontinued, give reason		
Pump intake set at		
Pumping Rate		
Duration of Pumping		
Final water level		
If flowing give rate		
Recommended pump depth		
Recommended pump rate		
Well Production		
Disinfected?		

Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
45		45	

50		50	
60		60	

Water Details

Water Found at Depth	Kind

Hole Diameter

Depth From	Depth To	Diameter

Audit Number: Z323114

Date Well Completed: October 03, 2020

Date Well Record Received by MOE: January 12, 2021

Related

How to use a Ministry of the Environment map (https://www.ontario.ca/page/how-use-ministry-environment-map#wells)

Technical documentation: Metadata record (https://data.ontario.ca/dataset/well-records/resource/3031344e-e3f2-48d5-888c-c1deadfd2f77)

Updated: October 18, 2021
Published: March 20, 2014

Appendix II – Borehole Drill Log

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GROUNDWATER MONITORING Well BH101

PROJECT NUMBER	**DRILLING COMPANY** King EPCM	**COORDINATES** 641617.133 m E, 4875221.249 m N
PROJECT NAME 123 Durham Regional Hwy 47	**DRILLER** Chris, Leng	**COORD SYS** UTM-17
CLIENT	**DRILL RIG** Little Beaver	**SURFACE ELEVATION** 336.888 m
ADDRESS 123 Hwy 47, Stouffville	**DRILLING METHOD** Solid Auger	**WELL TOC** None
DRILLING DATE 07/10/2023	**TOTAL DEPTH** 6.1 m	**LOGGED BY** Chris Chen
LICENCE NO. C-7691	**DIAMETER** 2.5 in	**CHECKED BY** Tony Wang, P Eng, Principal Engineer

COMPLETION | **CASING** 2 inch | **SCREEN** 2 inch

COMMENTS

Depth (m)	Graphic Log	USCS SAMPLES	Material Description	Additional Observations	Well Installation	Elevation (m)
0		PEAT	Top soil, black, moist			336.888
0.5		USCS: CL	Brown sandy clay, dry	Bearing capacity tested at 1.5m deep showing 1400kPa resistance with less than 0.5cm displacement Shear vane tested at minimum 130kPa resistance at 1.5m deep		336.5
1						336
1.5		USCS:CL	Brown sandy clay, moist			335.5
2		USCS:ML	Brown silt	Bearing capacity tested at 3.0m deep showing 1400kPa resistance with less than 0.5cm displacement Shear vane tested at minimum 130kPa resistance at 3.0m deep		335
2.5						334.5
3						334
3.5						333.5
4						333
4.5						332.5
5						332
5.5						331.5
6						331
			Termination Depth at: 6.1 m			330.5

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GROUNDWATER MONITORING Well BH102

PROJECT NUMBER	**DRILLING COMPANY** King EPCM	**COORDINATES** 641637.00 m E, 4875246.00 m N
PROJECT NAME 123 Durham Regional Hwy 47	**DRILLER** Chris, Leng	**COORD SYS** UTM-17
CLIENT	**DRILL RIG** Little Beaver	**SURFACE ELEVATION** NEED TO FILL LATER AMSL
ADDRESS 123 Hwy 47, Stouffville	**DRILLING METHOD** Solid Auger	**WELL TOC** None
DRILLING DATE 06/06/2023	**TOTAL DEPTH** 4.6 m	**LOGGED BY** Chris Chen
LICENCE NO. C-7691	**DIAMETER** 2.5 in	**CHECKED BY** Tony Wang, P Eng, Principal Engineer

COMPLETION | **CASING** 2 inch | **SCREEN** 2 inch

COMMENTS

Depth (m)	Graphic Log	USCS SAMPLES	Material Description	Additional Observations	Well Installation	Elevation (m)
0		PEAT	Top soil, black, moist			177.4
0.2						
0.4		USCS: CL	Brown sandy clay, dry			177.2
0.6						177
0.8				Bearing capacity tested at 1.5m deep showing 1400kPa resistance with less than 0.5cm displacement Shear vane tested at minimum 130kPa resistance at 1.5m deep		176.8
1						176.6
1.2						176.4
1.4						176.2
1.6						176
1.8		USCS:GC	Sandy gravelly clay, moist			175.8
2						175.6
2.2						175.4
2.4		USCS:CL	Sandy clay, wet	Bearing capacity tested at 3.0m deep showing 1400kPa resistance with less than 0.5cm displacement Shear vane tested at minimum 130kPa resistance at 3.0m deep		175.2
2.6						175
2.8						174.8
3						174.6
3.2						174.4
3.4						174.2
3.6						174
3.8						173.8
4		USCS:ML	Brown silt			173.6
4.2						173.4
4.4						173.2
4.6			Termination Depth at: 4.6 m			173
4.8						172.8

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GROUNDWATER MONITORING Well BH103

PROJECT NUMBER	**DRILLING COMPANY** King EPCM	**COORDINATES** 641655.03 m E, 4875173.64 m N
PROJECT NAME 123 Durham Regional Hwy 47	**DRILLER** Chris, Leng	**COORD SYS** UTM-17
CLIENT	**DRILL RIG** Little Beaver	**SURFACE ELEVATION** NEED TO FILL LATER AMSL
ADDRESS 123 Hwy 47, Stouffville	**DRILLING METHOD** Solid Auger	**WELL TOC** None
DRILLING DATE 07/07/2023	**TOTAL DEPTH** 4.6 m	**LOGGED BY** Chris Chen
LICENCE NO. C-7691	**DIAMETER** 2.5 in	**CHECKED BY** Tony Wang, P Eng, Principal Engineer

COMPLETION | **CASING** 2 inch | **SCREEN** 2 inch

COMMENTS

Depth (m)	Graphic Log	USCS SAMPLES	Material Description	Additional Observations	Well Installation	Elevation (m)
0		PEAT	Top soil, black, moist			177.4
0.2						
0.4		USCS: CL	Brown sandy clay, dry			177.2
0.6						177
0.8				Bearing capacity tested at 1.5m deep showing 1400kPa resistance with less than 0.5cm displacement Shear vane tested at minimum 130kPa resistance at 1.5m deep		176.8
1						176.6
1.2						176.4
1.4						176.2
1.6		USCS:GC	Sandy gravelly clay, moist			176
1.8		USCS:ML	Brown silt			175.8
2						175.6
2.2						175.4
2.4				Bearing capacity tested at 3.0m deep showing 1400kPa resistance with less than 0.5cm displacement Shear vane tested at minimum 130kPa resistance at 3.0m deep		175.2
2.6						175
2.8						174.8
3						174.6
3.2						174.4
3.4						174.2
3.6						174
3.8						173.8
4						173.6
4.2						173.4
4.4						173.2
4.6			Termination Depth at: 4.6 m			173
4.8						172.8

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GROUNDWATER MONITORING Well BH104

PROJECT NUMBER	**DRILLING COMPANY** King EPCM	**COORDINATES** 641513.50m E, 4875068.359m N
PROJECT NAME 123 Durham Regional Hwy 47	**DRILLER** Chris, Leng	**COORD SYS** UTM-17
CLIENT	**DRILL RIG** Little Beaver	**SURFACE ELEVATION** 334.670 m
ADDRESS 123 Hwy 47, Stouffville	**DRILLING METHOD** Solid Auger	**WELL TOC** None
DRILLING DATE 05/18/2023	**TOTAL DEPTH** 4.5 m	**LOGGED BY** Chris Chen
LICENCE NO. C-7691	**DIAMETER** 2.5 in	**CHECKED BY** Tony Wang, P Eng, Principal Engineer

COMPLETION	**CASING** 2 inch	**SCREEN** 2 inch

COMMENTS

Depth (m)	Graphic Log	USCS SAMPLES	Material Description	Additional Observations	Well Installation	Elevation (m)
0		PEAT	Top soil, black, moist			334.6
0.2						334.4
0.4		USCS: CL	Brown sandy clay, dry			334.2
0.6						334
0.8						333.8
1						333.6
1.2						333.4
1.4				DCP test performed at 1.5m		333.2
1.6						333
1.8						332.8
2						332.6
2.2						332.4
2.4						332.2
2.6						332
2.8						331.8
3				DCP test performed at 3.0m		331.6
3.2						331.4
3.4						331.2
3.6						331
3.8		USCS:CL	Brown sandy clay, moist			330.8
4						330.6
4.2						330.4
4.4		USCS:ML	Brown silt			330.2
4.6			Termination Depth at: 4.5 m			330

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GROUNDWATER MONITORING Well BH105

PROJECT NUMBER	**DRILLING COMPANY** King EPCM	**COORDINATES** 641435.399m E, 4874952.450 m N
PROJECT NAME 123 Durham Regional Hwy 47	**DRILLER** Chris, Leng	**COORD SYS** UTM-17
CLIENT	**DRILL RIG** Little Beaver	**SURFACE ELEVATION** 329.933m
ADDRESS 123 Hwy 47, Stouffville	**DRILLING METHOD** Solid Auger	**WELL TOC** None
DRILLING DATE 05/25/2023	**TOTAL DEPTH** 4.5 m	**LOGGED BY** Chris Chen
LICENCE NO. C-7691	**DIAMETER** 2.5 in	**CHECKED BY** Tony Wang, P Eng, Principal Engineer

COMPLETION	**CASING** 2 inch	**SCREEN** 2 inch

COMMENTS

Depth (m)	Graphic Log	USCS SAMPLES	Material Description	Additional Observations	Well Installation	Elevation (m)
0.2		PEAT	Top soil, black, moist			329.8
0.4		USCS: CL	Brown sandy clay, dry			329.6
0.6						329.4
0.8						329.2
1						329
1.2						328.8
1.4				DCP test performed at 1.5m		328.6
1.6						328.4
1.8						328.2
2						328
2.2						327.8
2.4				Bearing capacity tested at3.0m deep showing 700kPa resistance with less than 0.5cm displacement Shear vane tested at minimum 130kPa resistance at 3.0m deep		327.6
2.6						327.4
2.8						327.2
3						327
3.2						326.8
3.4						326.6
3.6						326.4
3.8		USCS:CL	Brown sandy clay, moist, medium plastic			326.2
4						326
4.2						325.8
4.4						325.6
4.6			Termination Depth at: 4.5 m			325.4

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GROUNDWATER MONITORING Well BH106

PROJECT NUMBER	**DRILLING COMPANY** King EPCM	**COORDINATES** 641754.682m E, 641754.682m N
PROJECT NAME 123 Durham Regional Hwy 47	**DRILLER** Chris, Leng	**COORD SYS** UTM-17
CLIENT	**DRILL RIG** Little Beaver	**SURFACE ELEVATION** 336.035m
ADDRESS 123 Hwy 47, Stouffville	**DRILLING METHOD** Solid Auger	**WELL TOC** None
DRILLING DATE 05/24/2023	**TOTAL DEPTH** 4.5 m	**LOGGED BY** Chris Chen
LICENCE NO. C-7691	**DIAMETER** 2.5 in	**CHECKED BY** Tony Wang, P Eng, Principal Engineer

COMPLETION	**CASING** 2 inch	**SCREEN** 2 inch

COMMENTS

Depth (m)	Graphic Log	USCS SAMPLES	Material Description	Additional Observations	Well Installation	Elevation (m)
0.2		PEAT	Top soil, black, moist			336
0.4		USCS: CL	Brown sandy clay, moist, medium plastic			335.8
0.6						335.6
0.8		USCS:CL	Brown sandy clay, wet, medium plastic	Bearing capacity tested at 1.5m deep showing 700kPa resistance with less than 0.5cm displacement Shear vane tested at minimum 130kPa resistance at 1.5m deep		335.4
1						335.2
1.2						335
1.4						334.8
1.6		USCS:ML	Brown silt			334.6
1.8						334.4
2						334.2
2.2						334
2.4				Bearing capacity tested at 3.0m deep showing 700kPa resistance with less than 0.5cm displacement Shear vane tested at minimum 130kPa resistance at 3.0m deep		333.8
2.6						333.6
2.8						333.4
3						333.2
3.2						333
3.4						332.8
3.6						332.6
3.8						332.4
4				Note: Started drilling at site in the afternoon due to morning 5mm rain. Soil surface was very moist due to the rain.		332.2
4.2						332
4.4						331.8
4.6			Termination Depth at: 4.5 m			331.6
						331.4

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KING EPCM
Flexible. Dependable. On-site Engineering.

GROUNDWATER MONITORING Well BH107

PROJECT NUMBER	**DRILLING COMPANY** King EPCM	**COORDINATES** 641944.829m E, 4875218.014m N
PROJECT NAME 123 Durham Regional Hwy 47	**DRILLER** Chris, Leng	**COORD SYS** UTM-17
CLIENT	**DRILL RIG** Little Beaver	**SURFACE ELEVATION** 332.946m
ADDRESS 123 Hwy 47, Stouffville	**DRILLING METHOD** Solid Auger	**WELL TOC** None
DRILLING DATE 05/30/2023	**TOTAL DEPTH** 7.6 m	**LOGGED BY** Chris Chen
LICENCE NO. C-7691	**DIAMETER** 2.5 in	**CHECKED BY** Tony Wang, P Eng, Principal Engineer

COMPLETION	**CASING** 2 inch	**SCREEN** 2 inch

COMMENTS

Depth (m)	Graphic Log	USCS SAMPLES	Material Description	Additional Observations	Well Installation	Elevation (m)
		PEAT	Top soil, brown, moist			
0.5		USCS: CL	Brown sandy clay, moist, low plastic	Bearing capacity tested at 1.5m deep showing 1400kPa resistance with less than 0.5cm displacement Shear vane tested at minimum 240kPa resistance at 1.5m deep		332.5
1						332
1.5						331.5
2				Bearing capacity tested at 3.0m deep showing 1400kPa resistance with less than 0.5cm displacement Shear vane tested at minimum 240kPa resistance at 3.0m deep		331
2.5						330.5
3						330
3.5						329.5
4						329
4.5						328.5
5						328
5.5						327.5
6		USCS:ML	Brown silt			327
6.5						326.5
7						326
7.5						325.5
			Termination Depth at: 7.6 m			325

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KING EPCM
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GROUNDWATER MONITORING Well BH108

PROJECT NUMBER	**DRILLING COMPANY** King EPCM	**COORDINATES** NEED TO FILL LATER
PROJECT NAME 123 Durham Regional Hwy 47	**DRILLER** Chris, Leng	**COORD SYS** UTM-17
CLIENT	**DRILL RIG** Little Beaver	**SURFACE ELEVATION** NEED TO FILL LATER AMSL
ADDRESS 123 Hwy 47, Stouffville	**DRILLING METHOD** Solid Auger	**WELL TOC** None
DRILLING DATE 06/05/2023	**TOTAL DEPTH** 4.5 m	**LOGGED BY** Chris Chen
LICENCE NO. C-7691	**DIAMETER** 2.5 in	**CHECKED BY** Tony Wang, P Eng, Principal Engineer

COMPLETION | **CASING** 2 inch | **SCREEN** 2 inch

COMMENTS

Depth (m)	Graphic Log	USCS SAMPLES	Material Description	Additional Observations	Well Installation	Elevation (m)
0		PEAT	Top soil, dry			339.2
0.2						
0.4		USCS: CL	Brown sand clay, dry			339
0.6						338.8
0.8						338.6
1				Bearing capacity tested at 1.5m deep showing 1400kPa resistance with less than 0.5cm displacement Shear vane tested at minimum 240kPa resistance at 1.5m deep		338.4
1.2						338.2
1.4						338
1.6						337.8
1.8		USCS:ML	Brown sand, moist			337.6
2						337.4
2.2						337.2
2.4				Bearing capacity tested at 3.0m deep showing 1400kPa resistance with less than 0.5cm displacement Shear vane tested at minimum 240kPa resistance at 3.0m deep		337
2.6						336.8
2.8						336.6
3						336.4
3.2						336.2
3.4						336
3.6		USCS:GC	Brown sandy gravelly clay, moist			335.8
3.8						335.6
4						335.4
4.2						335.2
4.4						335
4.6			Termination Depth at: 4.5m Auger refusal			334.8

Disclaimer

Appendix III – Field Permeability Test Sheet

In-situ Measurement of Field Saturated Hydraulic Conductivity

1. Field Permeability Test

The "Constant Head Well Permeameter" (CHWP) method (Reynolds, 1993; Elrick and Reynolds, 1986) is based on the observation that when a constant height or "head" of water is ponded in a borehole or "well" augured into unsaturated soil, a "bulb" of field-saturated soil is gradually established around the base of the well. The K_{fs} value achieved through this method can be less than or equal to half of K_s (Saturated hydraulic conductivity) due to the partial blocking of soil pores by air bubbles and it is preferred over Ks in the design of on-site stormwater LID infiltration design because drainage through the soil should be designed to occur at less than complete soil saturation.

The in-situ measurements were done by the both ETC standard and Slow Soils Pask Permeameters, which is an extended single-head analysis method and calculations procedure used here are based on the work of W.D. Reynolds and D.E. Elrick formerly of the University of Guelph, Ontario, Canada.

The ETC Pask Permeameter is a convenient and easy-to-use apparatus for ponding a constant head of water in a well, and simultaneously measuring the flow into the soil. The rate of fall (R) of the water level in the permeameter reservoir and reservoir cross-sectional area (X) allows the determination of quasi-steady water flow Irate (Q) into the soil (i.e. Q = XR). K_{fs} is then calculated using Equation 1 (Reynolds, 1993):

$$K_{fs} = CQ / [2\pi H^2 + C\pi a^2 + (2\pi H/\alpha^*)] \qquad \text{(Eq. 1)}$$

In which:
K_{fs} = the calculated permeability from the field test

Table 1. Parameters used

Parameter	**Description**	**BH**			
		BH101	**BH102**	**BH103**	**BH104**
Soil Texture Factor (**α***) in cm^{-1}	Most structured and medium textured materials; including structured clayey and loamy soils, as well as unstructured medium single-grain sands. This category is generally the first choice for most soils.	0.12	0.12	0.12	0.12
R in cm/min	Quasi-steady state (constant) rate of fall of water in permeameter reservoir (Measured in the site)	0.2	0.02	0.1	0.2
T in $^{\circ}C$	Soil Temperature	22	18	18	22
μ_k/μ_a	Temperature Correction Factor (t= 1$^{\circ}c$)	0.606	0.667	0.667	0.606
Method		Standard	Slow	Standard	Standard
C	Shape factor	1.36			
X in cm^2	Cross-sectional area of permeameter reservoir	12.8	53.46	12.8	12.8

H in cm	Height of air inlet hole from the bottom of the test hole	15
a in cm	Well hole radius	4.15

Based on data described in the above table and using Pask Permeameter ETC Quick Field Reference Tables for Slow Soils, the K_{fs} was calculated as:

K_{fs101} = 1.4E-6 m/sec= 1.4E-4 cm/sec
K_{fs102} = 2.5E-8 m/sec= 2.5E-6 cm/sec
K_{fs103} = 6.9E-7 m/sec= 6.9E-5 cm/sec
K_{fs104} = 1.4E-6 m/sec= 1.4E-4 cm/sec

And then the temperature-corrected permeability would be calculated using equation 2 for the rest of the site, as follows:

$K_a = K_{fs} \times \mu_k/\mu_a$ (Eq. 2)

In which:
K_a = corrected permeability adjusted for design temperature conditions

Then using the temperature correction factor (for t=18 and 22$^{\circ c}$) from the manual:

K_{a101} = 8.4E-7 m/sec= 8.4E-5 cm/sec
K_{a102} = 1.7E-8 m/sec= 1.7E-6 cm/sec
K_{a103} = 4.6E-7 m/sec= 4.6E-5 cm/sec
K_{a104} = 8.4E-7 m/sec= 8.4E-5 cm/sec

The field permeability data sheet is in the following.

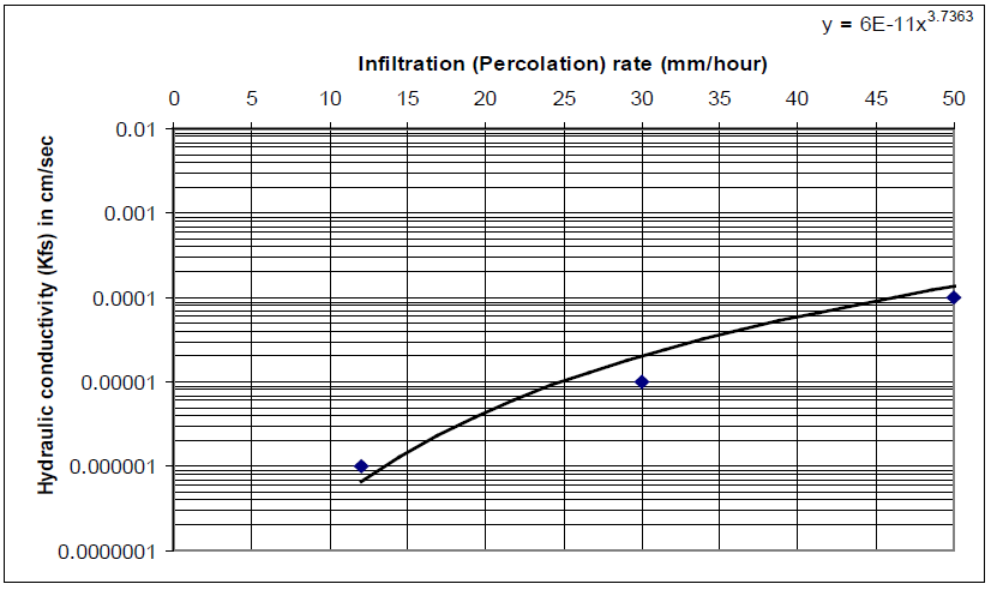
2. Percolation time/infiltration rate for design (OMMAH, 1997)

Despite the newer academic papers published by Reynolds et al. (2015), TRCA and other Conservation Authorities often still review the design of infiltration basins based on historic trends. Below are two TRCA (2012) design criteria that describe the relationship between K_{fs}, PT, and infiltration rates, based on the 1997 (OMMAH) supplementary guidelines to OBC (1997).

Table 2. Approximate relationships between hydraulic conductivity, percolation time and infiltration rate

Hydraulic Conductivity, K_{fs} (centimetres/second)	Percolation Time, T (minutes/centimetre)	Infiltration Rate, 1/T (millimetres/hour)
0.1	2	300
0.01	4	150
0.001	8	75
0.0001	12	50
0.00001	20	30
0.000001	50	12

***Source**: Ontario Ministry of Municipal Affairs and Housing (OMMAH). 1997. Supplementary Guidelines to the Ontario Building Code 1997. SG-6 Percolation Time and Soil Descriptions. Toronto, Ontario.*



***Source**: Ontario Ministry of Municipal Affairs and Housing (OMMAH). 1997. Supplementary Guidelines to the Ontario Building Code 1997. SG-6 Percolation Time and Soil Descriptions. Toronto, Ontario.*

Figure 1. Approximate relationship between infiltration rate and hydraulic conductivity

Based on OMMAH interpolation from Table 2 and Figure 1 above, the measured K_{fs} may be interpolated as:

PT_{101} = 13.6 min / cm (Infiltration Rate = 44.1 mm/hour)

PT_{102} = 38.7 min / cm (Infiltration Rate = 15.5 mm/hour)

PT_{103} = 16 min / cm (Infiltration Rate = 37.6 mm/hour)

PT_{104} = 13.6 min / cm (Infiltration Rate = 44.1 mm/hour)

As per the TRCA Stormwater Management Criteria guideline, the engineer's opinion is to trust the values obtained from this method (OMMAH, 1997), with an averaged unfactored infiltration rate = 42 mm/hour for entire the site area with clayey sand material while an unfactored infiltration rate = 15.5 mm/hour for the eastern portion, west of the natural heritage area with sandy clay material.

3. Factored Engineering Design Infiltration Rate (Wisconsin Department of Natural Resources, 2004)

For a conservative approach to infiltration speeds, the Wisconsin Department of Natural Resources (2004) method shall be used for the calculation of a factored design infiltration rate. The overall massive soil formation is clayey sand or sandy clay below a thin topsoil layer (40cm) followed by sandy clay or silt material to depth, with an unfactored infiltration rate = 15.5 - 42 mm/hour at the top layer. However, the infiltration rate used to design an infiltration BMP must incorporate a safety correction factor that compensates for potential reductions in soil permeability due to compaction or smearing during construction, gradual accumulation of fine sediments over the lifespan of the BMP, and uncertainty in measured values when less permeable soil horizons exist within 1.5 meters below the proposed bottom elevation of the BMP. As discussed in the Geotechnical Report, the predominant soil material is composed of sandy clay or clayey sand with different moisture content to a depth of more than 3 meters and then gradually transfers to sandy clay and/or silt soil, which has a medium to low permeability.

Based on Borehole datasets, the soil layer remains consistent with sandy clay or clayey sand material, including the soil layers 1.5 meters below the proposed bottom of the probable BMP. This means that based on below Table 3, the measured infiltration rate should be divided by a safety correction factor to calculate the design infiltration rate. Thus the mean infiltration rate measured at the proposed bottom elevation of the BMP is 15.5 – 42 mm/hour, and the mean infiltration rate measured in the slowest underlying soil horizon is 6.2 – 16.8 mm/hour, and the ratio of infiltration rates is 2.5.

Table 3. Safety correction factors for calculating design infiltration rates

Ratio of Mean Measured Infiltration Rates[1]	Safety Correction Factor[2]
≤ 1	2.5
1.1 to 4.0	3.5
4.1 to 8.0	4.5
8.1 to 16.0	6.5
16.1 or greater	8.5

***Source**: Wisconsin Department of Natural Resources. 2004. Conservation Practice Standards. Site Evaluation for Stormwater Infiltration (1002). Madison, WI.*

***Notes**:*

1. *Ratio is determined by dividing the geometric mean measured infiltration rate at the proposed bottom elevation of the BMP by the geometric mean measured infiltration rate of the least permeable soil horizon within 1.5 metres below the proposed bottom elevation of the BMP.*
2. *The design infiltration rate is calculated by dividing the geometric mean measured infiltration rate at the proposed bottom elevation of the BMP by the safety correction factor.*

Field Permeability Test Sheet

Engineering Technologies Canada Ltd.

OWNER'S NAME: _____

SITE LOCATION: 123 Durham Regional Hwy 47

PID #: _____

TEST PIT#: BH101

TECHNICIAN: Leng

DATE: June 16 2023

WEATHER/TEMPERATURE: Cloudy, 22C

FIELD PERMEABILITY TEST #:

D – reservoir diameter (cm)	Standard	Soil Texture	Clayey sand
d – well hole diameter (cm)		Soil Structure	
H – height of water in well (cm)		α*(cm-1)	
Depth below ground surface(cm)		C – Factor	

TIME (min)	(1)CHANGE IN TIME (min)	RESERVOIR WATER LEVEL (WL) (cm)	(2)CHANGE IN WL (cm)	(2) / (1) RATE OF FALL (R) (cm/min)
0		39.9		
1	1	39.7	0.2	0.2
2	1	39.5	0.2	0.2
3	1	39.3	0.2	0.2
4	1	39	0.3	0.3
5	1	38.8	0.2	0.2
6	1	38.6	0.2	0.2
7	1	38.3	0.3	0.3
8	1	38.1	0.2	0.2
9	1	37.9	0.2	0.2
10	1	37.7	0.2	0.2

uasi Steady-State Rate of Fall(R) = 0.2 cm/min

Engineering Technologies Canada Ltd.

OWNER'S NAME: _____

SITE LOCATION: 123 Durham Regional Hwy 47

PID #: _____

TEST PIT#: BH102

TECHNICIAN: Leng

DATE: June 16 2023

WEATHER/TEMPERATURE: Cloudy, 18C

FIELD PERMEABILITY TEST #:

D - reservoir diameter (cm)	Slow tube	Soil Texture	Sandy clay
d - well hole diameter (cm)		Soil Structure	
H - height of water in well (cm)		α*(cm-1)	
Depth below ground surface(cm)		C - Factor	

TIME (min)	(1) CHANGE IN TIME (min)	RESERVOIR WATER LEVEL (WL) (cm)	(2) CHANGE IN WL (cm)	(2) / (1) RATE OF FALL (R) (cm/min)
0		24.7		
5	5	24.9	-0.2	0.0
10	5	24.5	0.4	0.08
15	5	24.2	0.3	0.06
20	5	24.1	0.1	0.02
25	5	24	0.1	0.02
30	5	23.9	0.1	0.02
35	5	23.8	0.1	0.02
40	5	23.7	0.1	0.02
45	5	23.6	0.1	0.02
50	5	23.5	0.1	0.02
55	5	23.4	0.1	0.02
60	5	23.3	0.1	0.02

uasi Steady-State Rate of Fall(R) = 0.02 cm/min

Engineering Technologies Canada Ltd.

OWNER'S NAME: _____

SITE LOCATION: 123 Durham Regional Hwy 47

PID #: _____

TEST PIT#: BH103

TECHNICIAN: Leng

DATE: June 16 2023

WEATHER/TEMPERATURE: Cloudy, 18C

FIELD PERMEABILITY TEST #:

D - reservoir diameter (cm)	Standard	Soil Texture	Clayey sand
d - well hole diameter (cm)		Soil Structure	
H - height of water in well (cm)		α*(cm-1)	
Depth below ground surface(cm)		C - Factor	

TIME (min)	(1)CHANGE IN TIME (min)	RESERVOIR WATER LEVEL (WL) (cm)	(2)CHANGE IN WL (cm)	(2) / (1) RATE OF FALL (R) (cm/min)
0		42.9		
1	1	42.8	0.1	0.1
2	1	42.7	0.1	0.1
3	1	42.6	0.1	0.1
4	1	42.5	0.1	0.1
5	1	42.4	0.1	0.1
6	1	42.3	0.1	0.1
7	1	42.2	0.1	0.1
8	1	42.1	0.1	0.1
9	1	42	0.1	0.1
10	1	41.9	0.1	0.2
11	1	41.9	0.0	0.0
12	1	41.8	0.1	0.1
13	1	41.7	0.1	0.1
14	1	41.6	0.1	0.1
15	1	41.5	0.1	0.1

uasi Steady-State Rate of Fall(R) = 0.1 cm/min

Engineering Technologies Canada Ltd.

OWNER'S NAME: _____

SITE LOCATION: 123 Durham Regional Hwy 47

PID #: _____

TEST PIT#: BH104

TECHNICIAN: Leng

DATE: June 16 2023

WEATHER/TEMPERATURE: Cloudy, 22C

FIELD PERMEABILITY TEST #:

D - reservoir diameter (cm)	Standard	Soil Texture	Clayey sand
d - well hole diameter (cm)		Soil Structure	
H - height of water in well (cm)		α*(cm-1)	
Depth below ground surface(cm)		C - Factor	

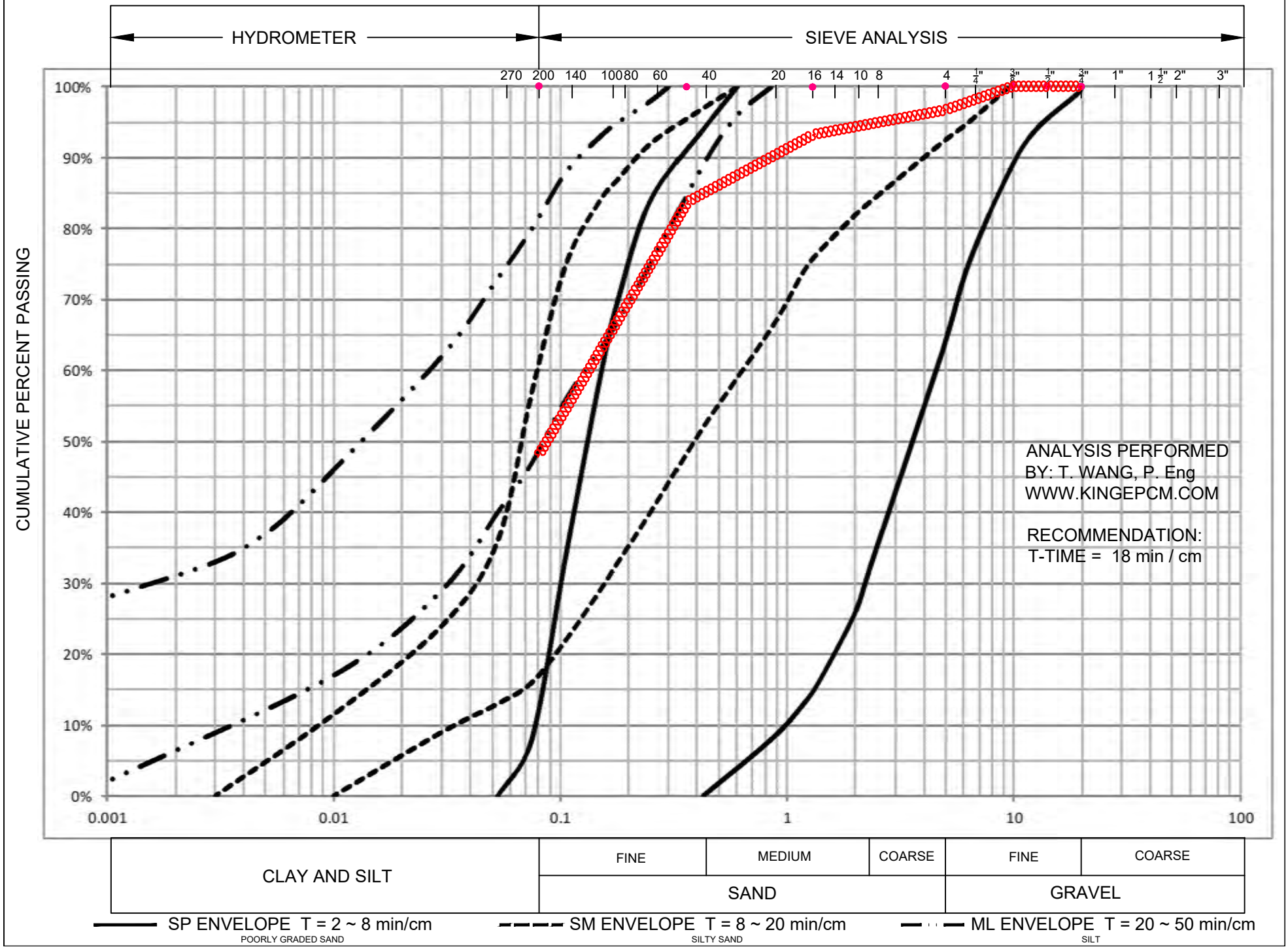
TIME (min)	(1) CHANGE IN TIME (min)	RESERVOIR WATER LEVEL (WL) (cm)	(2) CHANGE IN WL (cm)	(2) / (1) RATE OF FALL (R) (cm/min)
0		32		
1	1	31.9	0.1	0.1
2	1	31.7	0.2	0.2
3	1	31.5	0.2	0.2
4	1	31.3	0.2	0.2
5	1	31.1	0.2	0.2
6	1	30.9	0.2	0.2

uasi Steady-State Rate of Fall(R) = 0.2 cm/min

Appendix IV – Grain Size Analyses

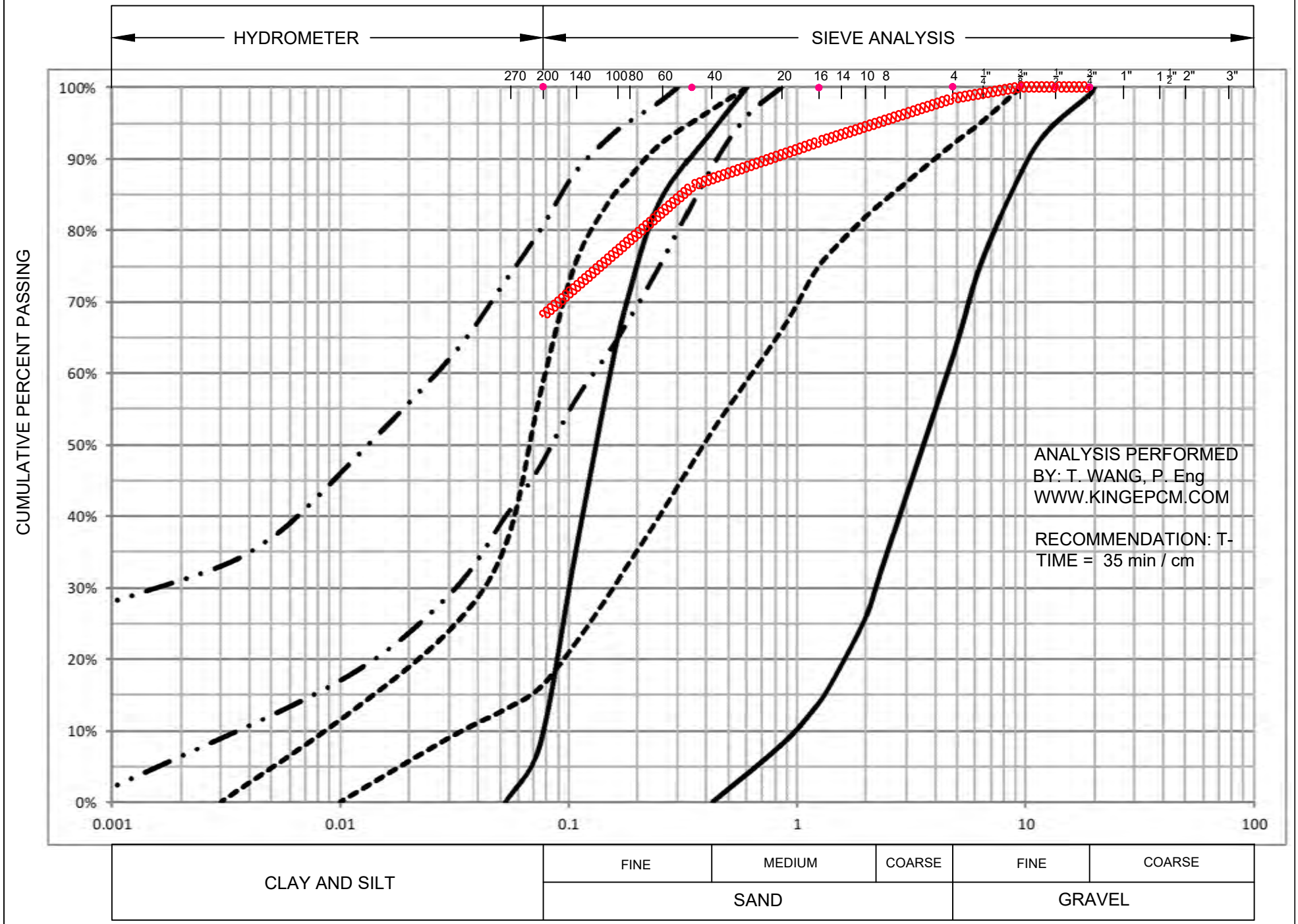
GRAIN SIZE DISTRIBUTION - UNIFIED SOIL CLASSIFICATION SYSTEM

Shallow soil (334.25-330.95 masl)/BH 104, 123 Durham Region Hwy 47 May 4, 2023



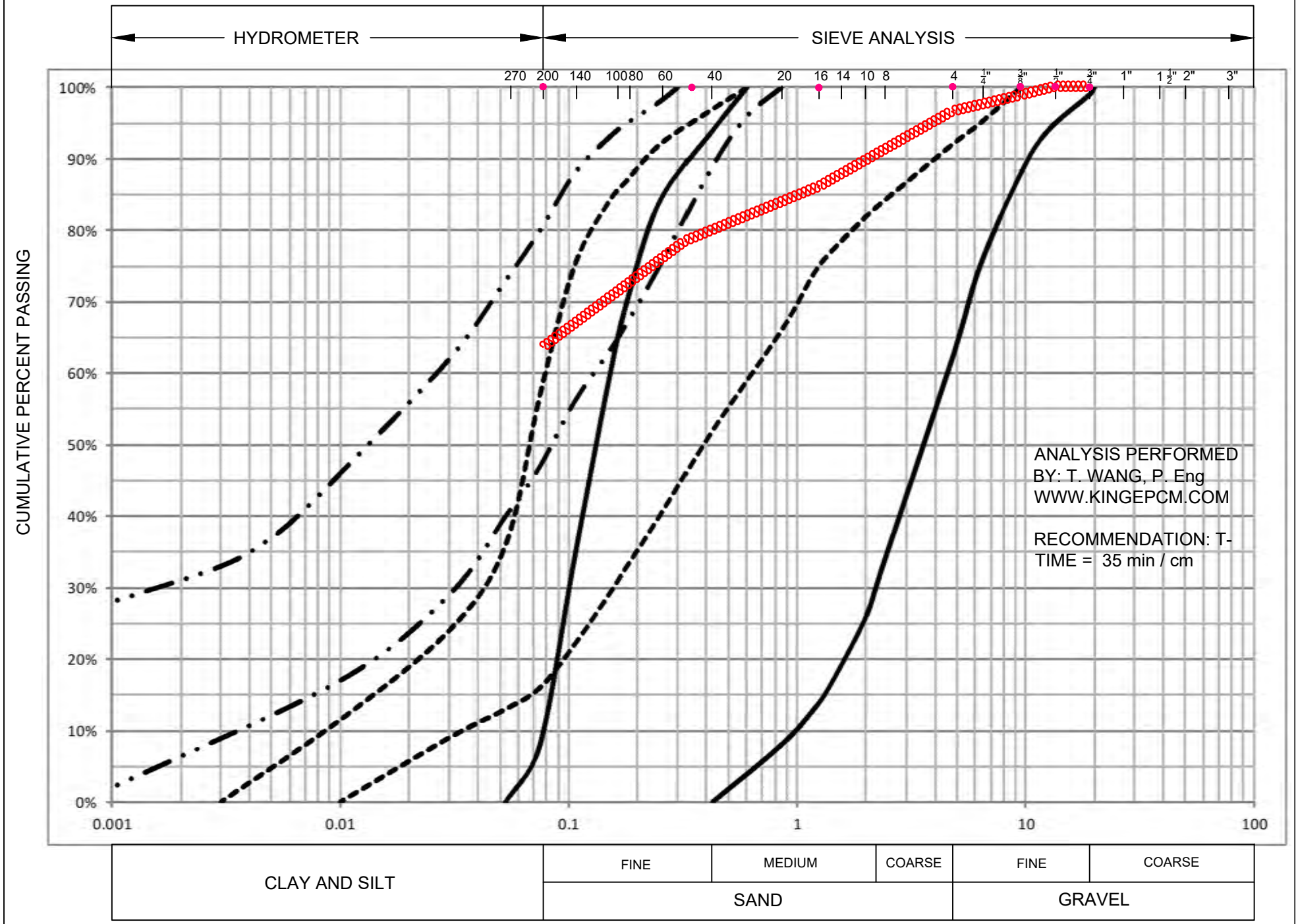
GRAIN SIZE DISTRIBUTION - UNIFIED SOIL CLASSIFICATION SYSTEM

Deep soil (330.95-330.17 masl)/BH 104, 123 Durham Region Hwy 47 May 4, 2023



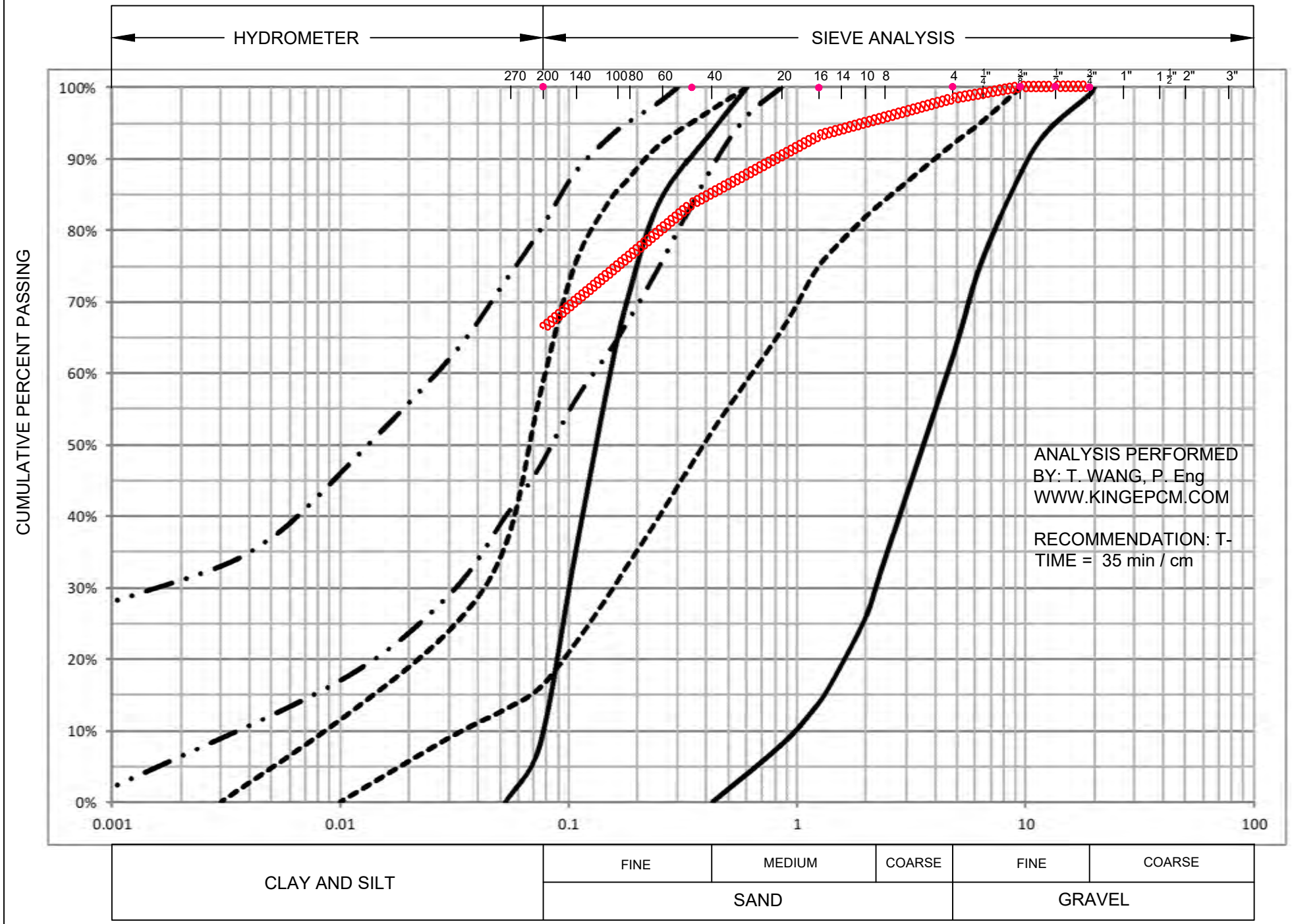
GRAIN SIZE DISTRIBUTION - UNIFIED SOIL CLASSIFICATION SYSTEM

Shallow soil (335.2-334.55 masl)/BH 106, 123 Durham Region Hwy 47 May 24, 2023



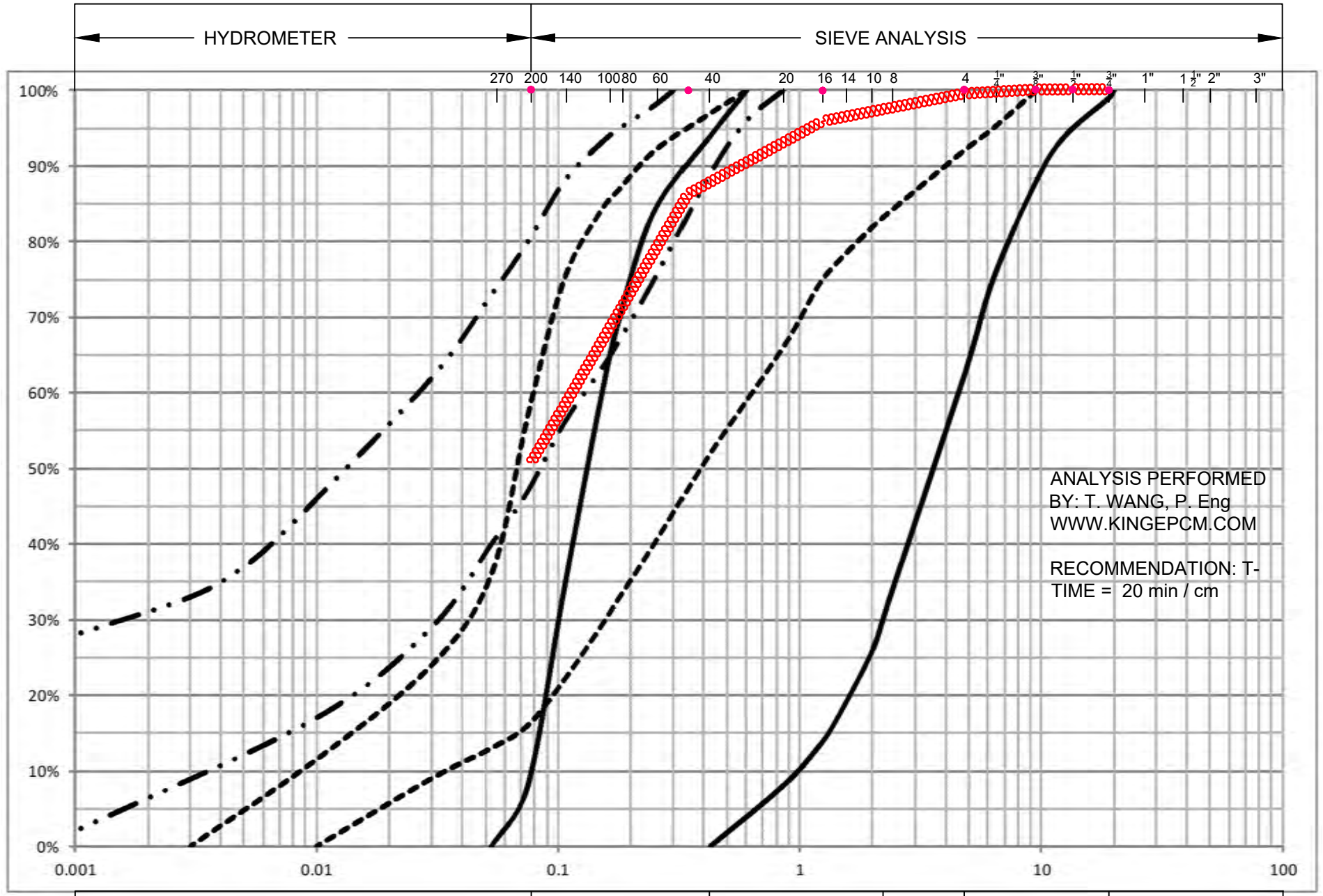
GRAIN SIZE DISTRIBUTION - UNIFIED SOIL CLASSIFICATION SYSTEM

Deep soil (334.55-331.55 masl)/BH 106, 123 Durham Region Hwy 47 May 24, 2023



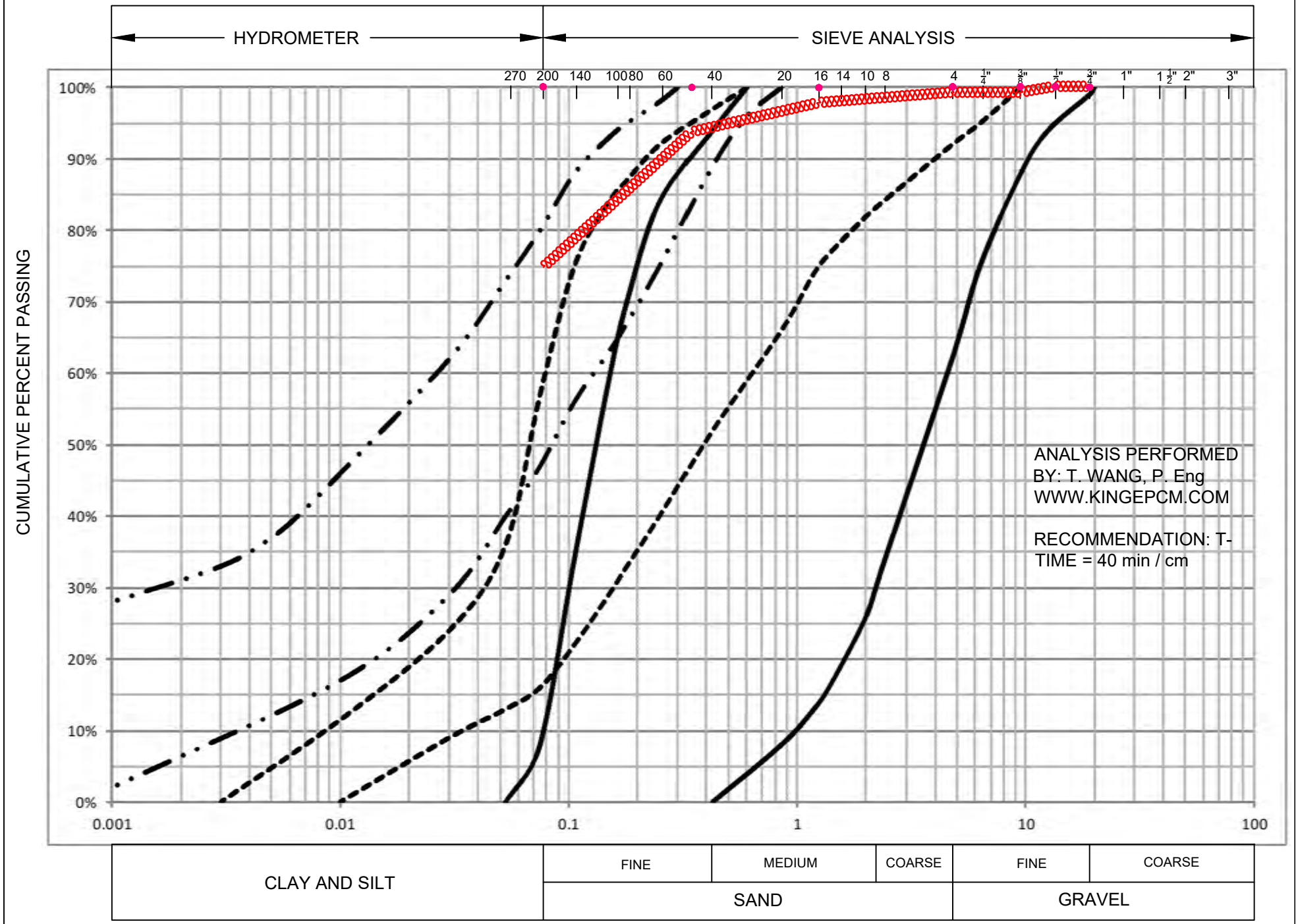
GRAIN SIZE DISTRIBUTION - UNIFIED SOIL CLASSIFICATION SYSTEM

Shallow soil (332.5-327.05 masl)/BH 107, 123 Durham Region Hwy 47 November 22, 2023



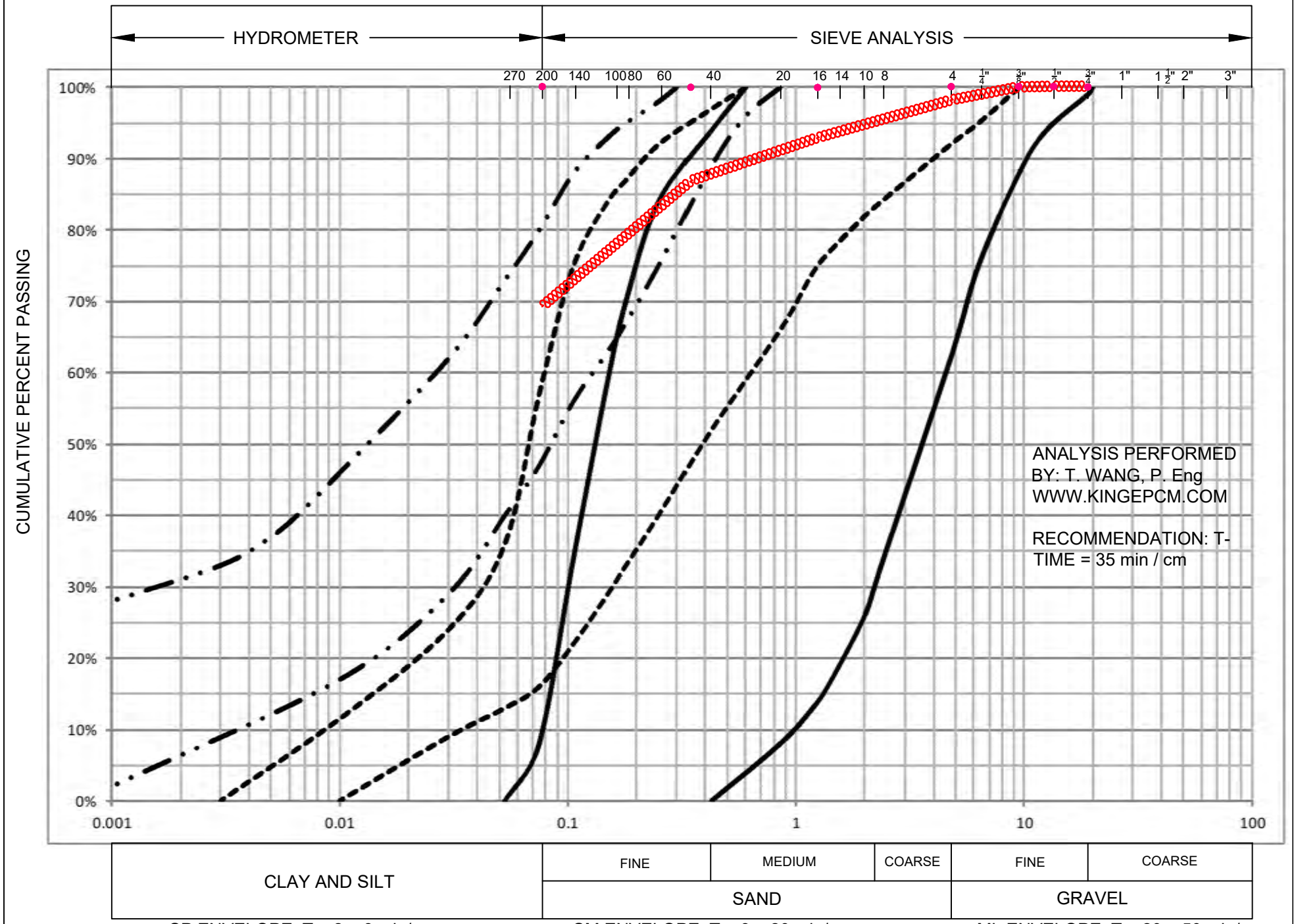
GRAIN SIZE DISTRIBUTION - UNIFIED SOIL CLASSIFICATION SYSTEM

Deep soil (327.05-325.32 masl)/BH 107, 123 Durham Region Hwy 47 November 22, 2023



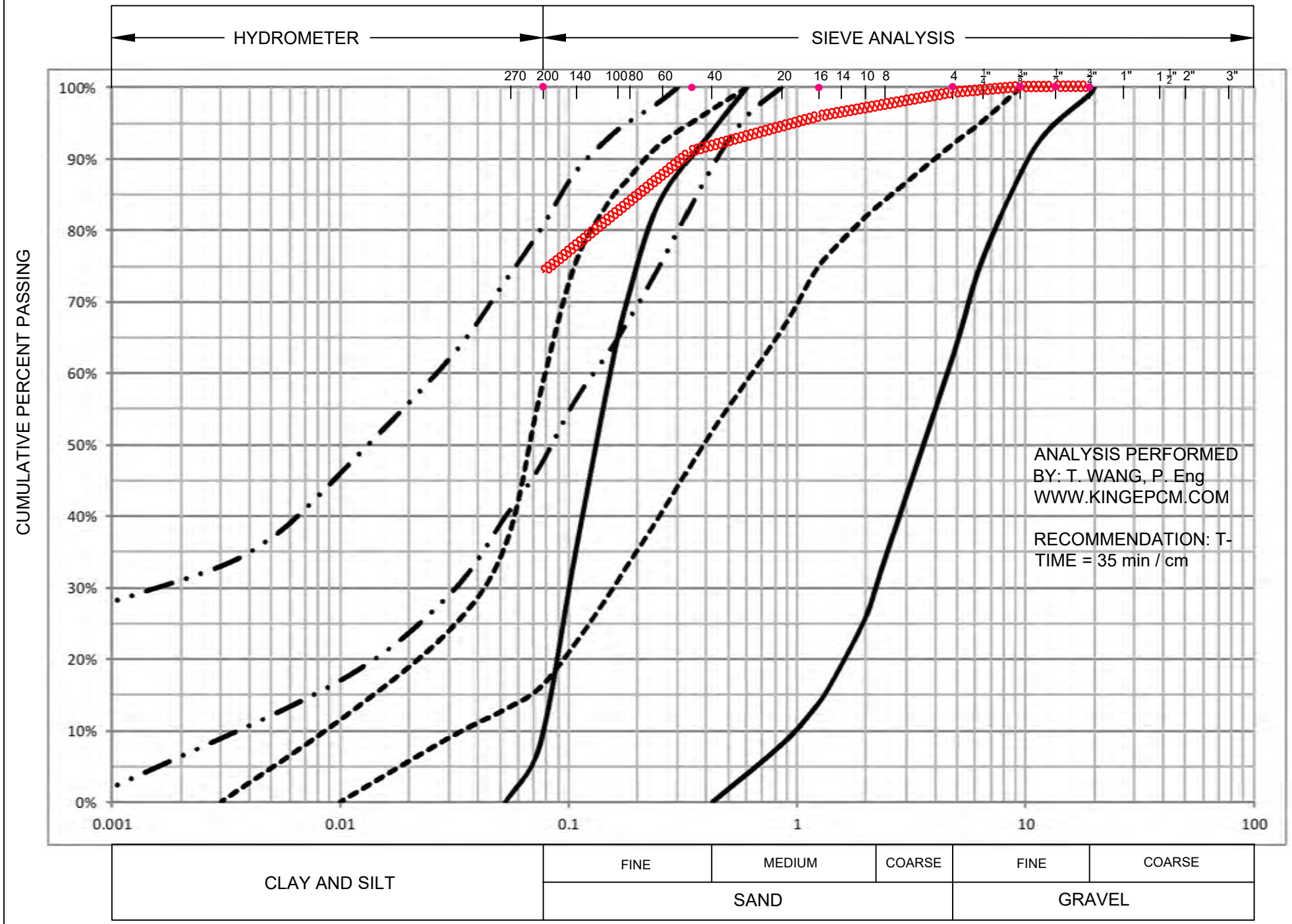
GRAIN SIZE DISTRIBUTION - UNIFIED SOIL CLASSIFICATION SYSTEM

Shallow soil (339.05-337.55 masl)/BH 108, 123 Durham Region Hwy 47 June 5, 2023



GRAIN SIZE DISTRIBUTION - UNIFIED SOIL CLASSIFICATION SYSTEM

Deep soil (335.85-334.85 masl)/BH 108, 123 Durham Region Hwy 47 June 5, 2023



Appendix V – Slug Test

FALLING HEAD HYDRAULIC CONDUCTIVITY (SLUG TEST)-BH 107

Date: 07/12/2023 Time: 10:34

PROJECT INFORMATION

Company: King EPCM

Client: 123 Highway 47 Inc., Richard Ramos, CoStone Development

Location: 123 Durham Regional Highway 47, Uxbridge, ON

Test Well: BH 107

Test Date: 01/12/2023

WELL DATA

Well ID: BH 107
Well Depth: 7.6 m
Screen Length: 1.5 m
Casing Radius: 2.54 cm

Borehole Radius: 3.17 cm
Water level at the start of the test: 1.77 m

SOLUTION

Aquifer Model: Unconfined
Solution Method: Hvorslev

$K = 1.9 \times 10^{-6}$ ft/sec ($=5.8\times10^{-5}$ cm/sec)
IR= 2.09 mm/hour

The water level data from the monitoring well (BH 107) was analysed using Hvorslev's expression for hydraulic conductivity (K) which is:

$$K = \frac{r^2 \ln (L/R) \quad \text{for } L/R>8}{2\, L\, T_0}$$

K = hydraulic conductivity of the tested material [ft/sec]
r = casing radius [ft]= 0.0833
L = length of screen [ft]= 4.59
R = borehole radius [ft]= 0.104
T_0 = Basic Time Lag [sec], where $H\text{-}h/H\text{-}H_0 = 0.37$
H = initial water level (m)
H_0 = water level at the start of the test (m)
h = recorded water level at each time of measurement (m)

The time lag, $T_0 = 0.37$, represents the time required for the water level to recover to the stabilised level if the initial flow rate from the surrounding aquifer into the well is maintained. This time lag is determined graphically as the time where (H-h) divided by ($H\text{-}H_0$) equals 0.37.

Based on the obtained results, the calculation of K in the test is as follows:

K= $(0.833)^2 \times \ln(4.59/0.104)/(2\times4.59\times1500) = 1.9 \times10^{-6}$ ft/sec ($=5.8\times10^{-5}$ cm/sec)

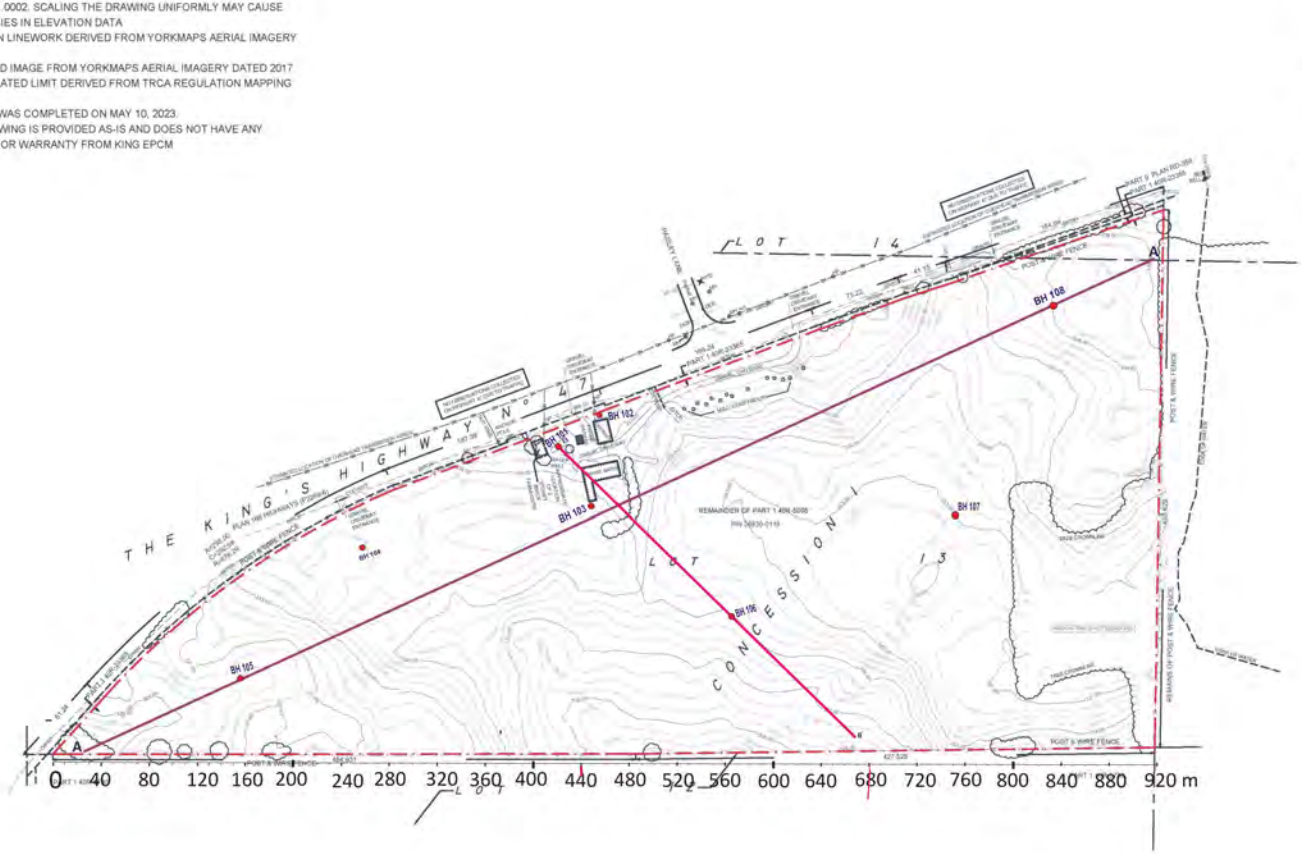
Appendix VI- Cross Sections

GENERAL NOTES:

- THIS IS NOT A PLAN OF SURVEY. BOUNDARY, PLANS, AND DISTANCES SHOWN HEREON ARE COMPILED FROM REGISTRY OFFICE RECORDS AND BEST FIT TO FIELDWORK
- ELEVATION AND DISTANCES ARE IN METERS UNLESS OTHERWISE NOTED
- ELEVATIONS ARE GEODETIC HT_2(2010) AND ARE DERIVED FROM CAN-NET VRS NETWORK
- THIS DRAWING IS PREPARED IN UTM NAD 83 ZONE 17 (CSRS 2010). BOUNDARY IS APPROXIMATE AND HAS NOT BEEN CONFIRMED IN THE FIELD
- HORIZONTAL COORDINATES IN THIS DRAWING ARE IN GRID COORDINATES AND CAN BE SCALED UP TO GROUND USING A SCALE FACTOR OF 1.0002. SCALING THE DRAWING UNIFORMLY MAY CAUSE DISCREPANCIES IN ELEVATION DATA
- TREE CROWN LINEWORK DERIVED FROM YORKMAPS AERIAL IMAGERY DATED 2017
- BACKGROUND IMAGE FROM YORKMAPS AERIAL IMAGERY DATED 2017
- TRCA REGULATED LIMIT DERIVED FROM TRCA REGULATION MAPPING IMAGERY
- FIELDWORK WAS COMPLETED ON MAY 10, 2023.
- DIGITAL DRAWING IS PROVIDED AS-IS AND DOES NOT HAVE ANY GUARANTEE OR WARRANTY FROM KING EPCM

LEGEND:

DCB	DOUBLE CATCHBASIN
HP	HYDRO POLE
HYD	HYDRANT
MH	MANHOLE
	OVERHEAD UTILITY WIRE
	GUY ANCHOR
	LEGAL PROPERTY BOUNDARY
	TREE CROWNLINE



SCALE 1:2000
1cm = 20m

0m 100m 200m

Municipality Notes

DRAWN: DH

DATE: MAY 17, 2023

STAMP: V. I. WHITE, PROFESSIONAL ENGINEER, PROVINCE OF ONTARIO, May 18, 2023

KEY MAP
N.T.S.

KING
E:
P:
C:
H: 570 Hood Rd, Unit 26
Markham, ON, L3R 4G7
www.KingEPCM.com
647-459-5647

CLIENT: 123 HWY 47 INC.

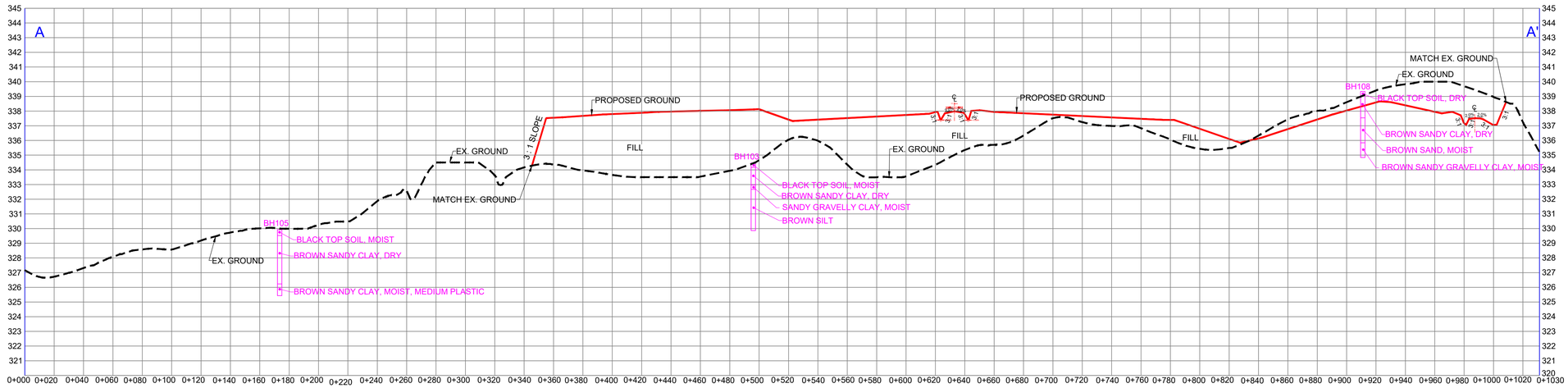
PROJECT NAME: 123 HIGHWAY 47

PROJECT LOCATION: 123 HIGHWAY 47
LEGAL DESCRIPTION: PT LTS 13 & 14 CON 1 UXBRIDGE PT 1 PL 40R5008 EXCEPT PT 1 PL 40R23365; UXBRIDGE, PIN 26830-0118

PRINT TITLE: TOPOGRAPHIC PLAN

FILE No.: SVY 1.1

No.	ISSUED FOR:	DATE	DRAWN BY	CHECK
V1	INTERNAL REVIEW	MAY 17, 2023	DH	TW



CROSS SECTION A - A'

SCALE H 1: 200
V 1: 10

Municipality Notes

DRAWN	STAMP
K.L.	
DATE	
DEC. 18, 2023	

KEY MAP

N.T.S.

KING EPCM
3780 14th Ave., Unit 211
Markham, ON, L3R 9Y5
www.KingEPCM.com
647-459-5647

CLIENT

123 HWY 47 INC.

PROJECT NAME

123 HIGHWAY 47

PROJECT LOCATION

123 HIGHWAY 47
LEGAL DESCRIPTION: PT LTS 13 & 14 CON 1 UXBRIDGE PT 1 PL 40R5008 EXCEPT PT 1 PL 40R23365; UXBRIDGE, PIN 26830-0118

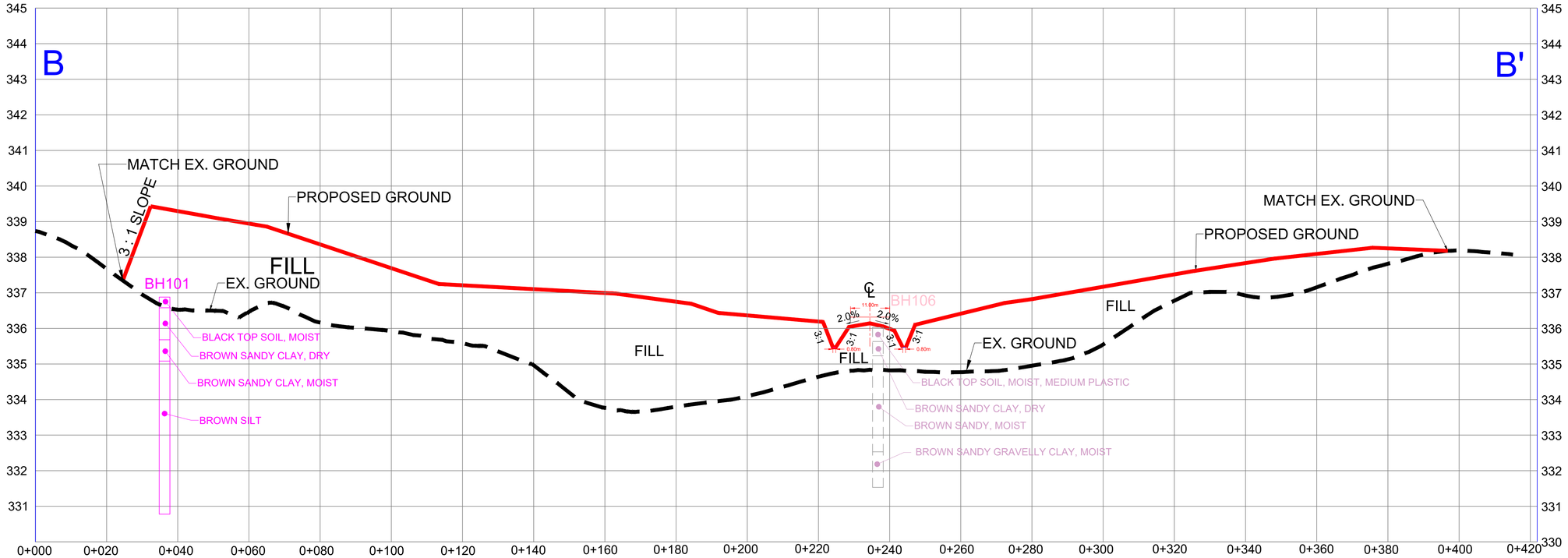
PRINT TITLE

BOREHOLE DETAILS

FILE No.

EGR 1.4

No.	ISSUED FOR:	DATE	DRAW BY	CHECK
V16	ISSUED TO CLIENT	DEC 18, 2023	KL	TW



CROSS SECTION B - B'

SCALE H 1: 200
V 1: 10

Municipality Notes

DRAWN	STAMP
K.L.	
DATE	
DEC. 18, 2023	

KEY MAP

N.T.S.

KING EPCM
3780 14th Ave., Unit 211
Markham, ON, L3R 9Y5
www.KingEPCM.com
647-459-5647

CLIENT
123 HWY 47 INC.

PROJECT NAME
123 HIGHWAY 47

PROJECT LOCATION
123 HIGHWAY 47
LEGAL DESCRIPTION: PT LTS 13 & 14 CON 1 UXBRIDGE PT 1 PL 40R5008 EXCEPT PT 1 PL 40R23365; UXBRIDGE, PIN 26830-0118

PRINT TITLE
BOREHOLE DETAILS SECTION E-E

FILE No.
EGR 1.4

No.	ISSUED FOR:	DATE	DRAW BY	CHECK
V16	ISSUED TO CLIENT	DEC 18, 2023	KL	TW

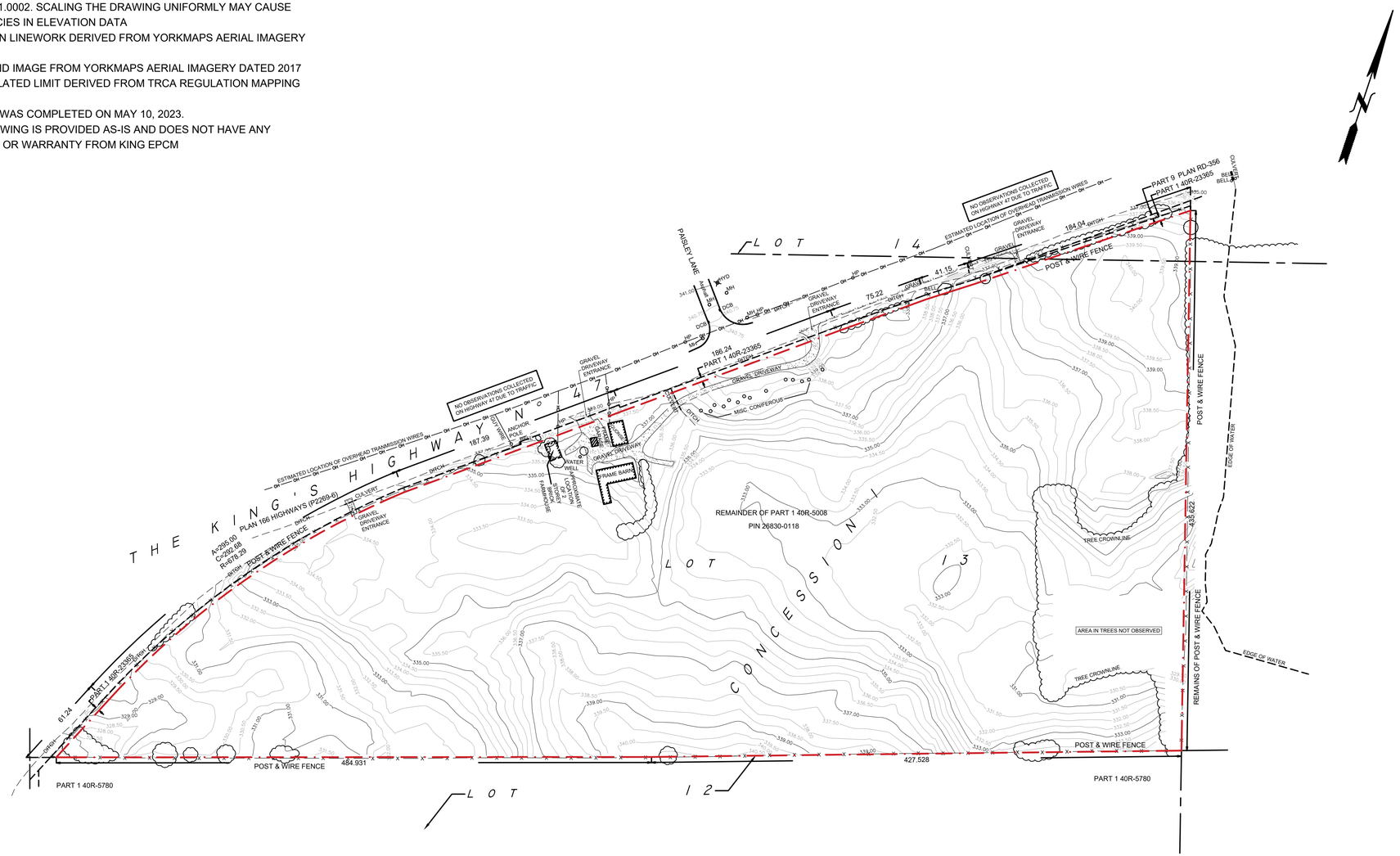
Appendix VII – Proposed Site Plan

GENERAL NOTES:

- THIS IS NOT A PLAN OF SURVEY. BOUNDARY, PLANS, AND DISTANCES SHOWN HEREON ARE COMPILED FROM REGISTRY OFFICE RECORDS AND BEST FIT TO FIELDWORK
- ELEVATION AND DISTANCES ARE IN METERS UNLESS OTHERWISE NOTED
- ELEVATIONS ARE GEODETIC HT_2(2010) AND ARE DERIVED FROM CAN-NET VRS NETWORK
- THIS DRAWING IS PREPARED IN UTM NAD 83 ZONE 17 (CSRS 2010). BOUNDARY IS APPROXIMATE AND HAS NOT BEEN CONFIRMED IN THE FIELD
- HORIZONTAL COORDINATES IN THIS DRAWING ARE IN GRID COORDINATES AND CAN BE SCALED UP TO GROUND USING A SCALE FACTOR OF 1.0002. SCALING THE DRAWING UNIFORMLY MAY CAUSE DISCREPANCIES IN ELEVATION DATA
- TREE CROWN LINEWORK DERIVED FROM YORKMAPS AERIAL IMAGERY DATED 2017
- BACKGROUND IMAGE FROM YORKMAPS AERIAL IMAGERY DATED 2017
- TRCA REGULATED LIMIT DERIVED FROM TRCA REGULATION MAPPING IMAGERY
- FIELDWORK WAS COMPLETED ON MAY 10, 2023.
- DIGITAL DRAWING IS PROVIDED AS-IS AND DOES NOT HAVE ANY GUARANTEE OR WARRANTY FROM KING EPCM

LEGEND:

DCB	DOUBLE CATCHBASIN
HP	HYDRO POLE
HYD	HYDRANT
MH	MANHOLE
HO	OVERHEAD UTILITY WIRE
	GUY ANCHOR
	LEGAL PROPERTY BOUNDARY
	TREE CROWNLINE



SCALE 1:2000
1cm = 20m

0m 100m 200m

Municipality Notes

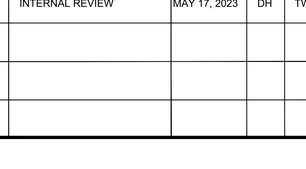
DRAWN: **DH**

DATE: **MAY 17, 2023**

STAMP: LICENSED PROFESSIONAL ENGINEER, Y. T. WANG, 100228476, May 18, 2023, PROVINCE OF ONTARIO

KEY MAP

N.T.S.



KING EPCM
570 Hood Rd, Unit 26
Markham, ON, L3R 4G7
www.KingEPCM.com
647-459-5647

CLIENT: 123 HWY 47 INC.

PROJECT NAME: **123 HIGHWAY 47**

PROJECT LOCATION: 123 HIGHWAY 47
LEGAL DESCRIPTION: PT LTS 13 & 14 CON 1 UXBRIDGE PT 1 PL 40R5008 EXCEPT PT 1 PL 40R23365; UXBRIDGE, PIN 26830-0118

PRINT TITLE: **TOPOGRAPHIC PLAN**

FILE No.: SVY 1.1

No.	ISSUED FOR:	DATE	DRAW BY	CHECK
V1	INTERNAL REVIEW	MAY 17, 2023	DH	TW

Appendix VIII – Climate Data Table

Table 5 Summary of Clarifica (May, 2002) annual average water balance estimates for the Duffins Creek watershed (1986-2000).

Basin	Area [ha]	PRECIP	RAIN	SNOW	Impervious (fraction)				RO				GWI				ET			
					#1	#2	#3	#4	#1	#2	#3	#4	#1	#2	#3	#4	#1	#2	#3	#4
1	282	844	702	142	0.022	0.022	0.022	0.022	156	156	141	156	200	200	201	200	483	483	498	483
2	1085	844	702	142	0.091	0.182	0.182	0.219	219	290	277	312	177	**151**	157	144	443	398	406	384
3	1898	844	702	142	0.023	0.034	0.034	0.042	145	155	145	161	208	205	204	203	485	479	489	475
4	682	844	702	142	0.000	0.000	0.000	0.360	150	150	149	420	197	197	197	103	492	492	493	319
5	921	844	702	142	0.000	0.000	0.000	0.000	60	60	51	60	231	231	218	231	549	549	571	549
6	644	844	702	142	0.000	0.000	0.000	0.028	139	139	125	159	185	185	181	179	515	515	533	502
7	1082	844	702	142	0.000	0.000	0.000	0.007	95	95	84	100	215	215	210	213	530	530	545	526
8	517	844	702	142	0.000	0.000	0.000	0.390	108	108	107	384	210	210	209	123	521	521	522	335
9	1073	844	702	142	0.000	0.000	0.000	0.343	140	140	137	388	184	184	183	107	514	514	518	348
10	263	844	702	142	0.000	0.000	0.000	0.398	109	109	109	377	208	208	208	126	522	522	522	339
11	2069	844	702	142	0.004	0.025	0.025	0.372	149	163	160	414	200	198	197	109	489	479	482	319
11.1	425	844	702	142	0.000	0.000	0.000	0.433	177	177	172	543	180	180	181	48	482	482	487	255
12	895	844	702	142	0.053	0.192	0.192	0.217	145	250	250	268	214	**180**	180	174	480	410	409	398
13	1737	844	702	142	0.016	0.016	0.016	0.074	142	142	119	183	210	210	212	196	488	488	508	461
14	623	844	702	142	0.023	0.023	0.023	0.242	143	143	133	298	209	209	209	156	487	487	497	386
15	1703	844	702	142	0.000	0.000	0.000	0.000	62	62	46	62	237	237	222	237	540	540	572	540
16	2625	844	702	142	0.000	0.000	0.000	0.070	94	94	83	144	232	232	228	217	513	513	528	478
17	708	844	702	142	0.002	0.002	0.002	0.055	102	102	87	141	228	228	225	217	509	509	528	482
18	507	844	702	142	0.000	0.000	0.000	0.217	120	120	95	268	217	217	215	170	502	502	529	402
19	619	844	702	142	0.021	0.021	0.021	0.311	125	125	118	332	217	217	216	150	497	497	505	359
20	1547	844	702	142	0.007	0.007	0.007	0.401	132	132	129	417	217	217	215	115	490	490	495	310
21	509	844	702	142	0.134	0.231	0.231	0.269	247	316	316	348	175	**151**	151	140	418	373	373	354
21.1	327	844	702	142	0.000	0.007	0.007	0.201	90	95	95	237	236	235	229	190	513	509	514	413
22	633	844	702	142	0.000	0.028	0.028	0.386	175	196	193	508	185	179	179	63	478	465	466	274
23	804	844	702	142	0.008	0.222	0.222	0.262	135	320	320	355	216	**150**	150	137	488	371	370	350
24	714	844	702	142	0.000	0.119	0.119	0.356	140	225	224	396	206	**179**	180	119	494	435	436	328
25	591	844	702	142	0.022	0.255	0.255	0.255	119	300	300	300	226	**165**	166	165	494	375	375	375
26	523	844	702	142	0.337	0.337	0.337	0.337	392	388	388	388	120	124	124	124	328	329	329	329
27	1698	844	702	142	0.230	0.271	0.271	0.399	257	287	287	379	171	163	163	133	412	390	390	330
28	601	844	702	142	0.230	0.416	0.416	0.416	258	393	393	393	161	**115**	114	115	420	331	332	331
	####																			

Subcatchment under study

Scenarios

#1 **Existing**

#2 **Future Official Plan**

#3 **Future OP + TRCA Natural Heritage**

#4 **Future OP + 50% impervious for lands south of Oak Ridges Moraine.**

Subcatchment or basin with future landuse scenario (#2) GWI estimate different from existing landuse (Scenario #1).

All values in mm/year unless noted otherwise.

See Figure 25 for subcatchment locations.

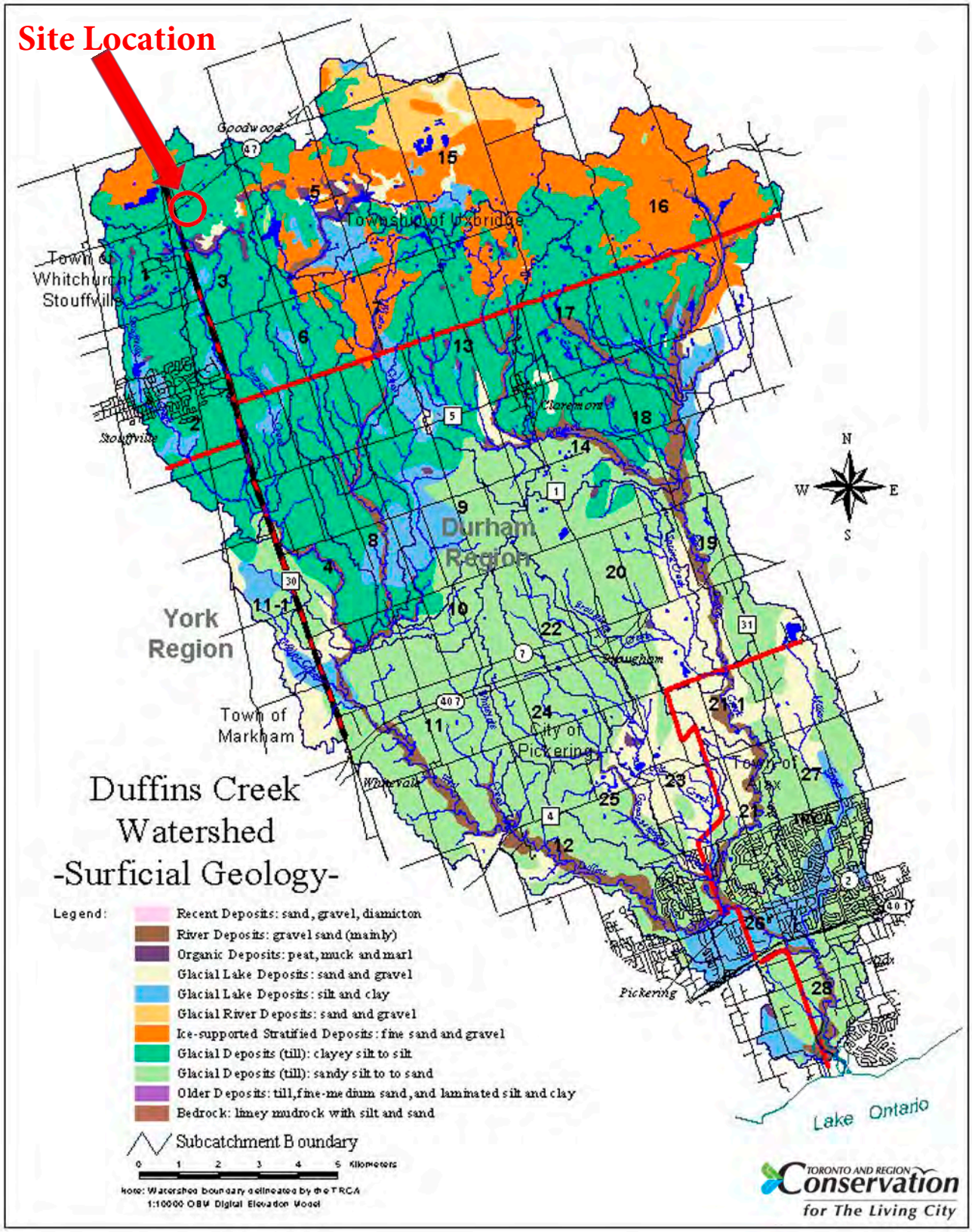
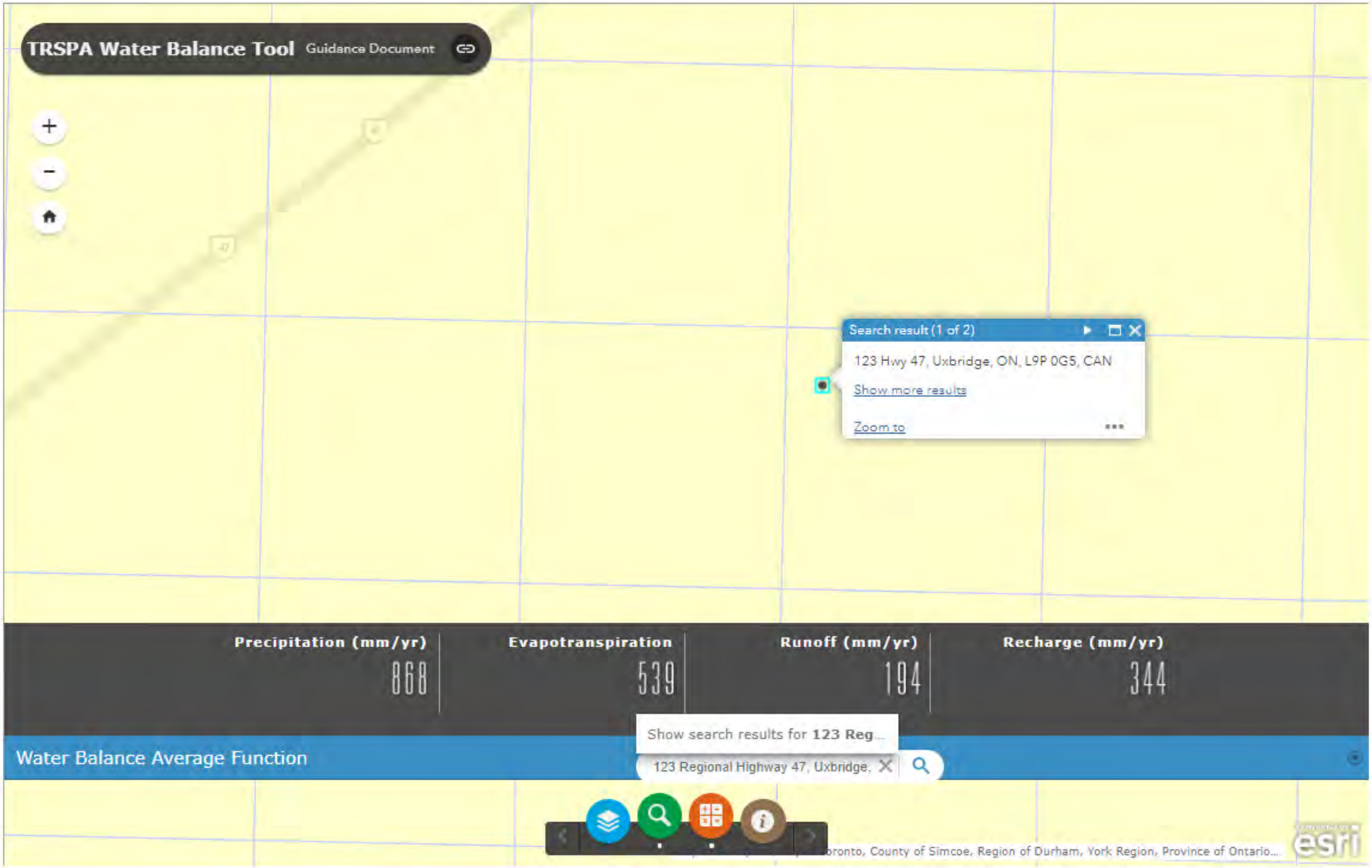


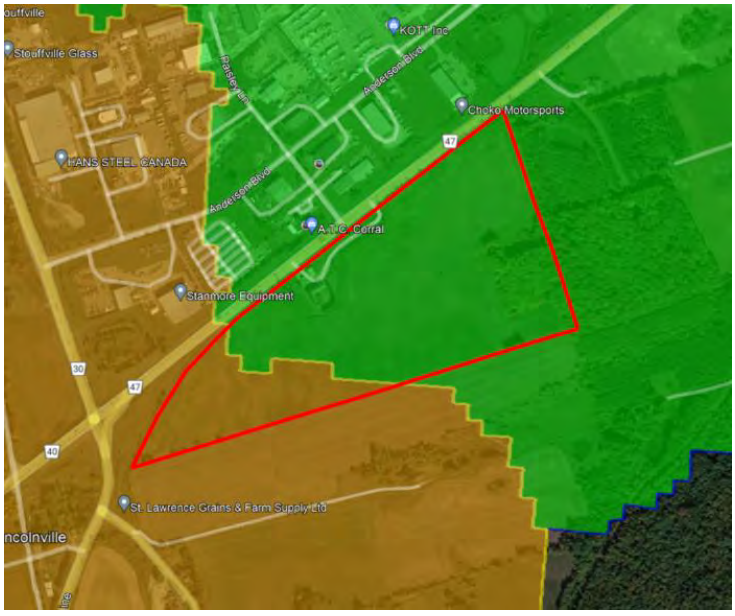
Figure 25: 30 sub-catchments and GSC surficial geology. Figure provided by TRCA.

TRSPA WATER BALANCE TOOL

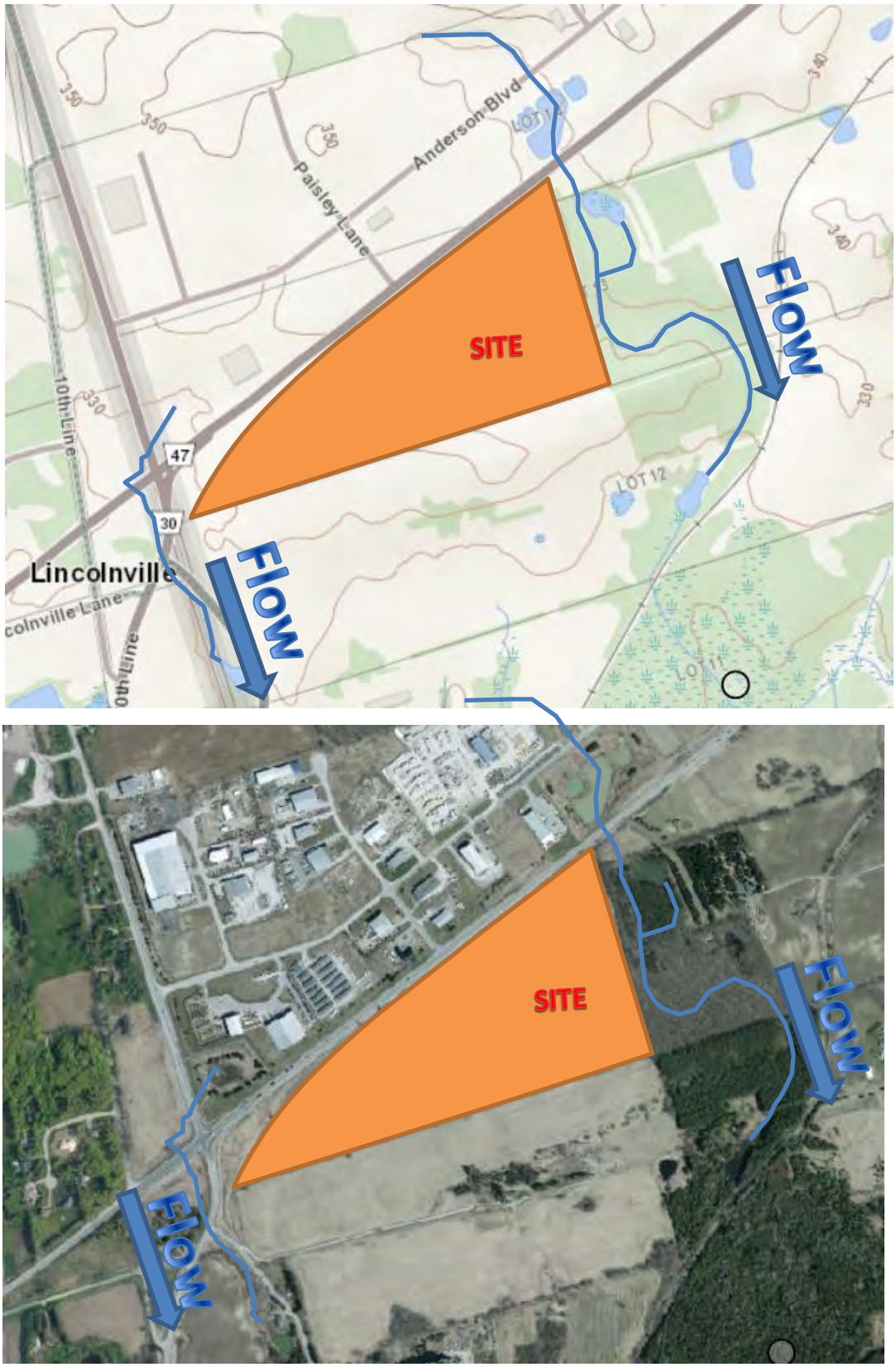


Appendix IX – Subwatershed

Watershed Calculations



Overview of Subwatershed and Property Boundary



Identified ponds and watercourses near the site

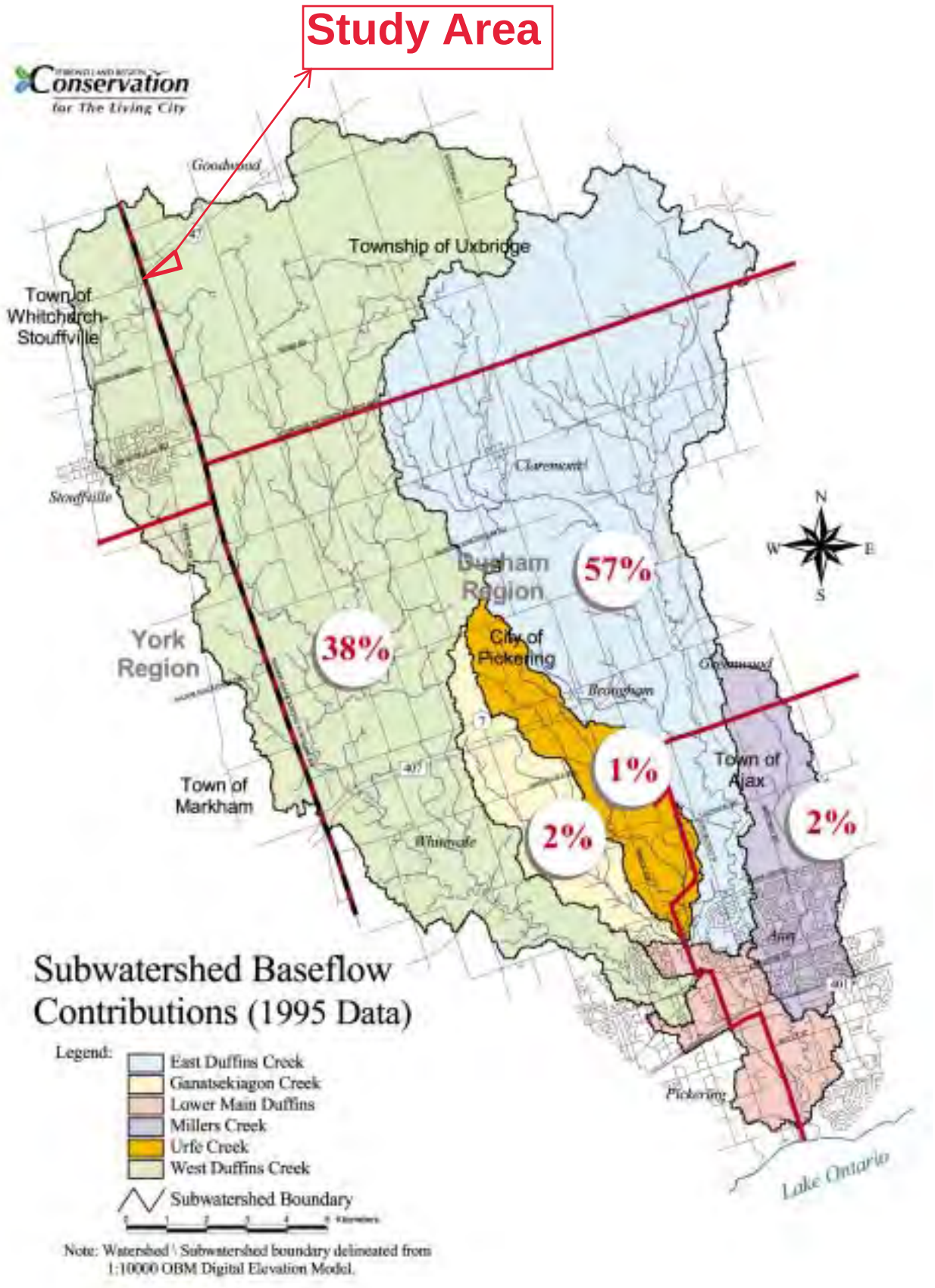
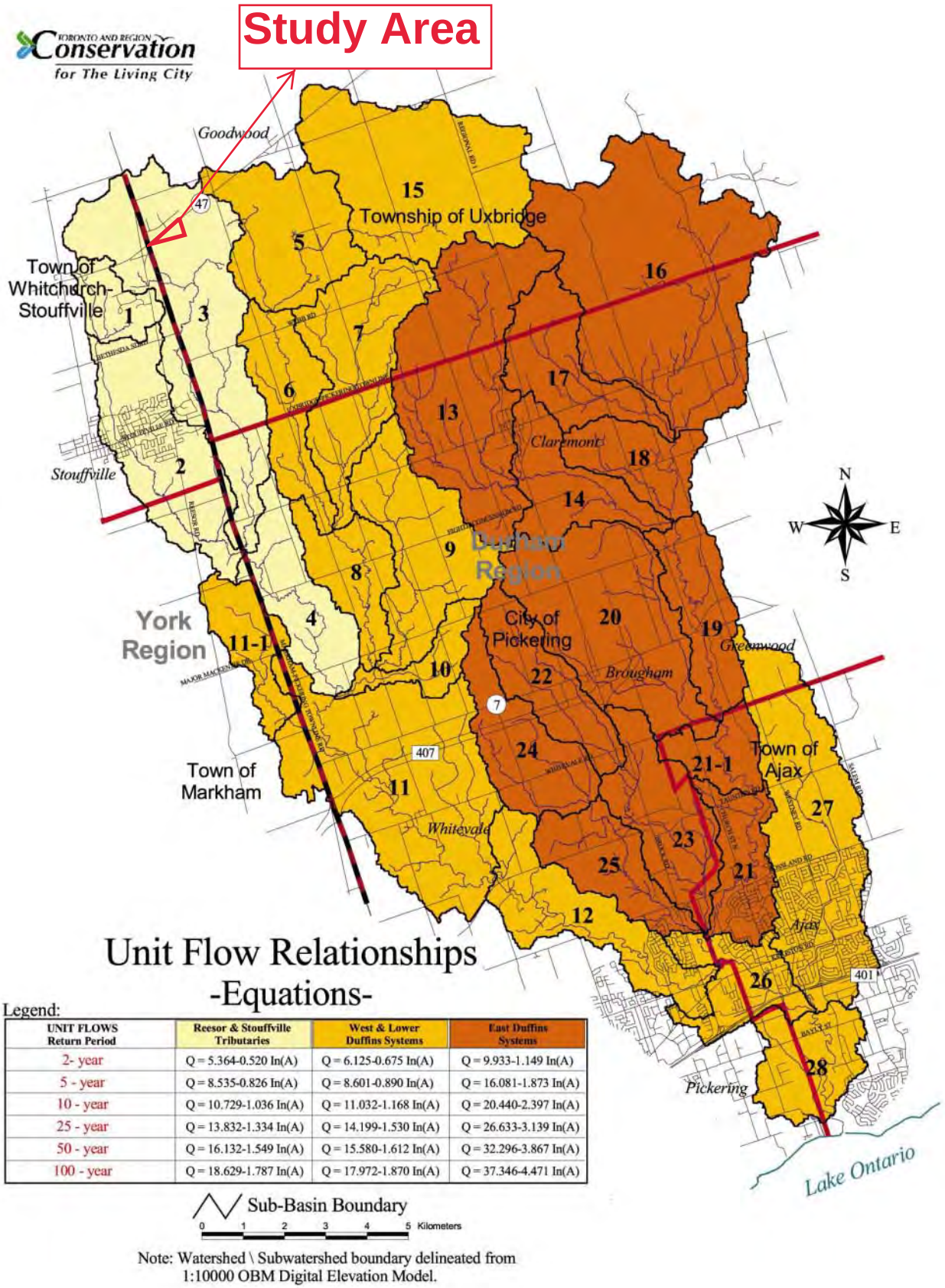

Study Area
Conservation
for The Living City
Township of Uxbridge
Town of Whitchurch-Stouffville
Stouffville
Claremont
Durham Region
57%
York Region
38%
City of Pickering
Brougham
Town of Ajax
1%
2%
2%
Town of Markham
Whitevale
Pickering
Lake Ontario
N
W
E
S
Subwatershed Baseflow Contributions (1995 Data)
Legend:
East Duffins Creek
Ganatsekiagon Creek
Lower Main Duffins
Millers Creek
Urfe Creek
West Duffins Creek
Subwatershed Boundary
Note: Watershed \ Subwatershed boundary delineated from 1:10000 OBM Digital Elevation Model.

FIGURE 6.12



UNIT FLOWS Return Period	Reesor & Stouffville Tributaries	West & Lower Duffins Systems	East Duffins Systems
2- year	Q = 5.364-0.520 ln(A)	Q = 6.125-0.675 ln(A)	Q = 9.933-1.149 ln(A)
5 - year	Q = 8.535-0.826 ln(A)	Q = 8.601-0.890 ln(A)	Q = 16.081-1.873 ln(A)
10 - year	Q = 10.729-1.036 ln(A)	Q = 11.032-1.168 ln(A)	Q = 20.440-2.397 ln(A)
25 - year	Q = 13.832-1.334 ln(A)	Q = 14.199-1.530 ln(A)	Q = 26.633-3.139 ln(A)
50 - year	Q = 16.132-1.549 ln(A)	Q = 15.580-1.612 ln(A)	Q = 32.296-3.867 ln(A)
100 - year	Q = 18.629-1.787 ln(A)	Q = 17.972-1.870 ln(A)	Q = 37.346-4.471 ln(A)

FIGURE 5.5

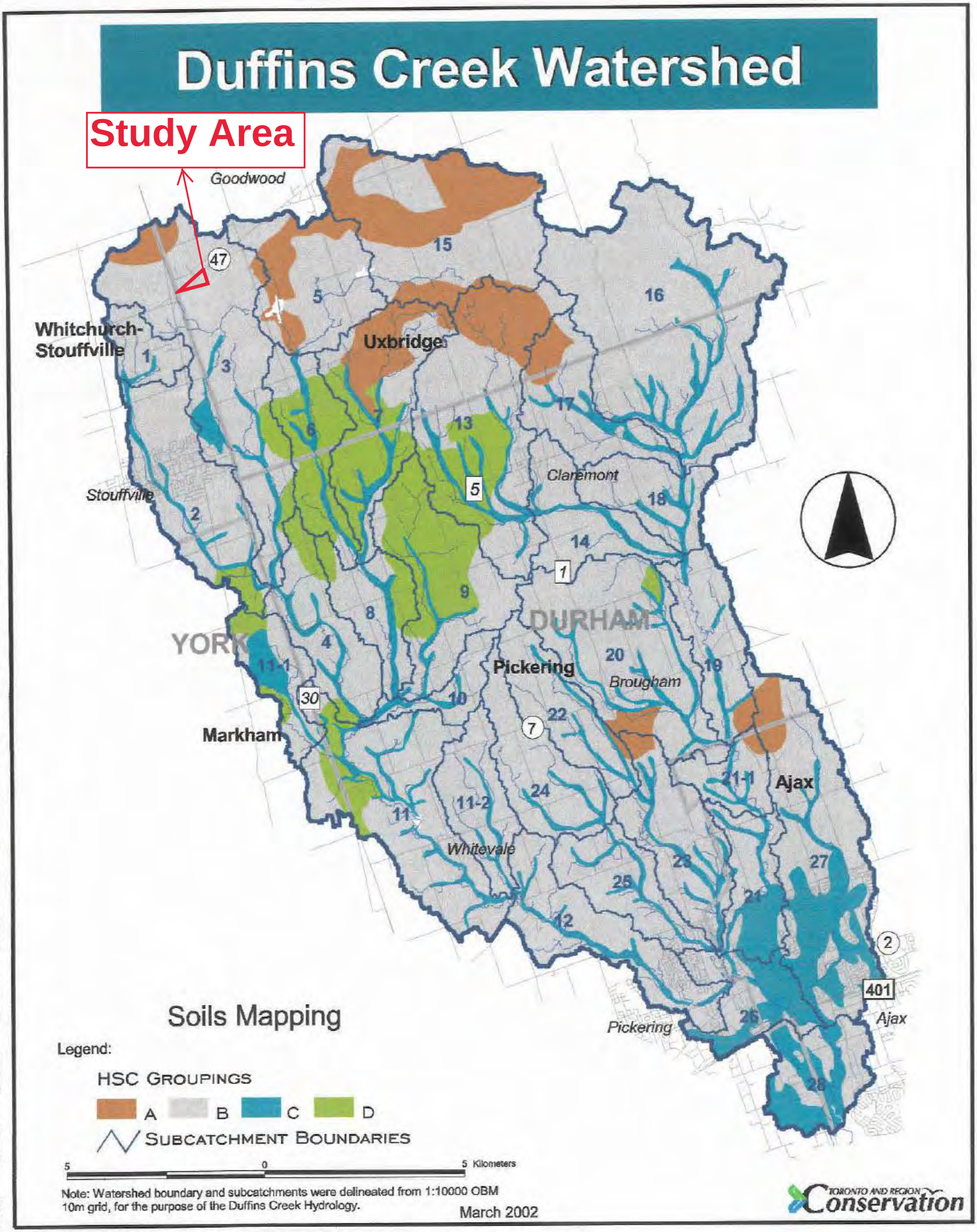
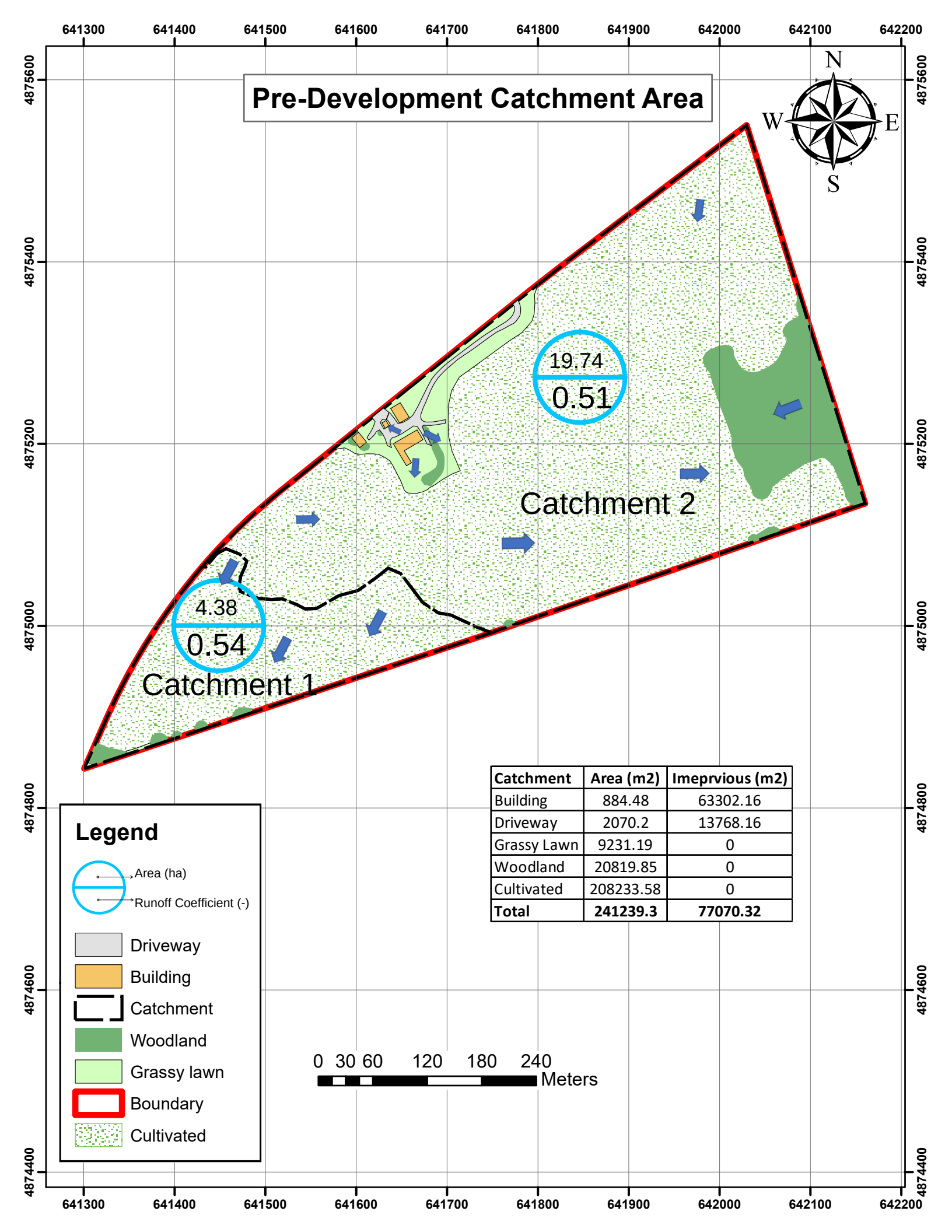
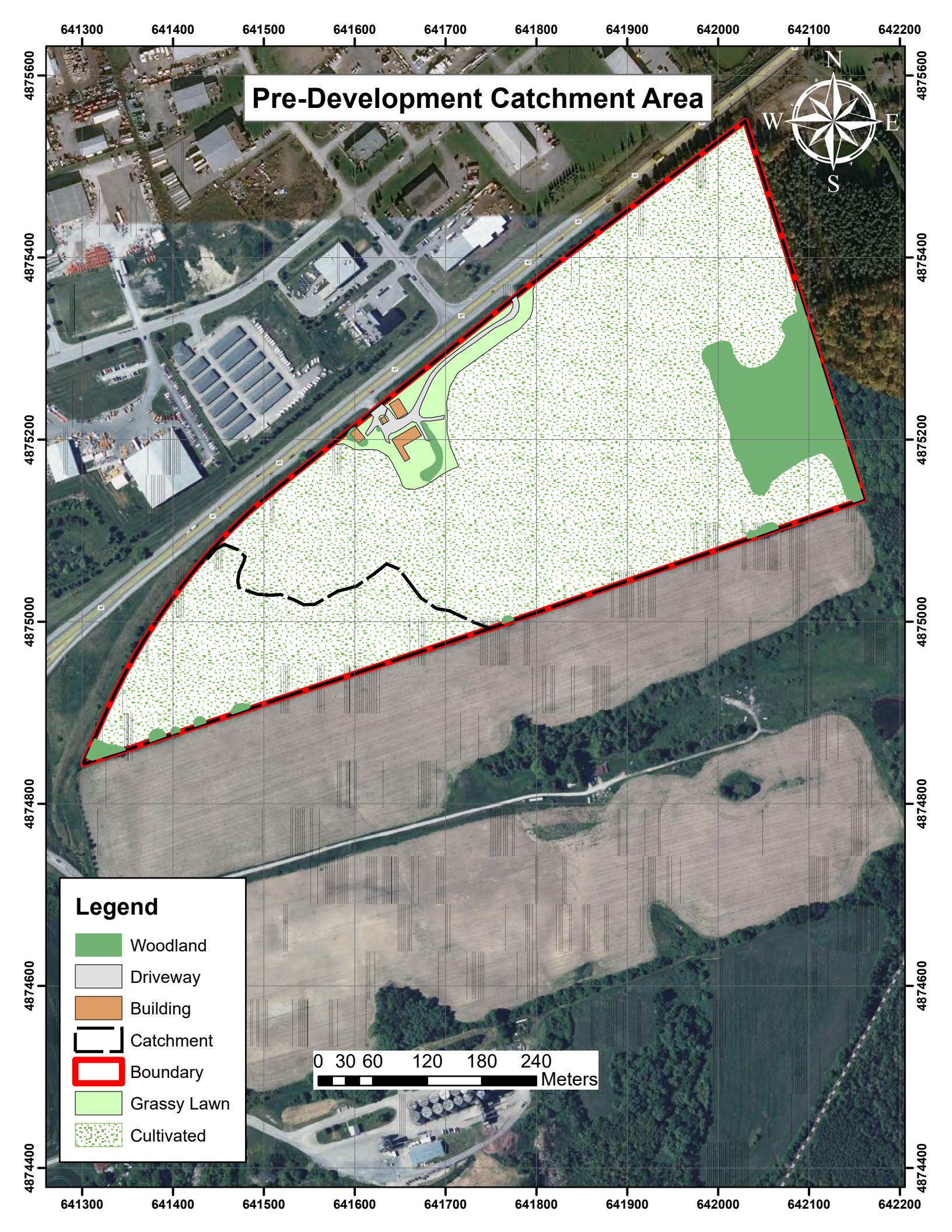


Figure A.1 *Soils Mapping*

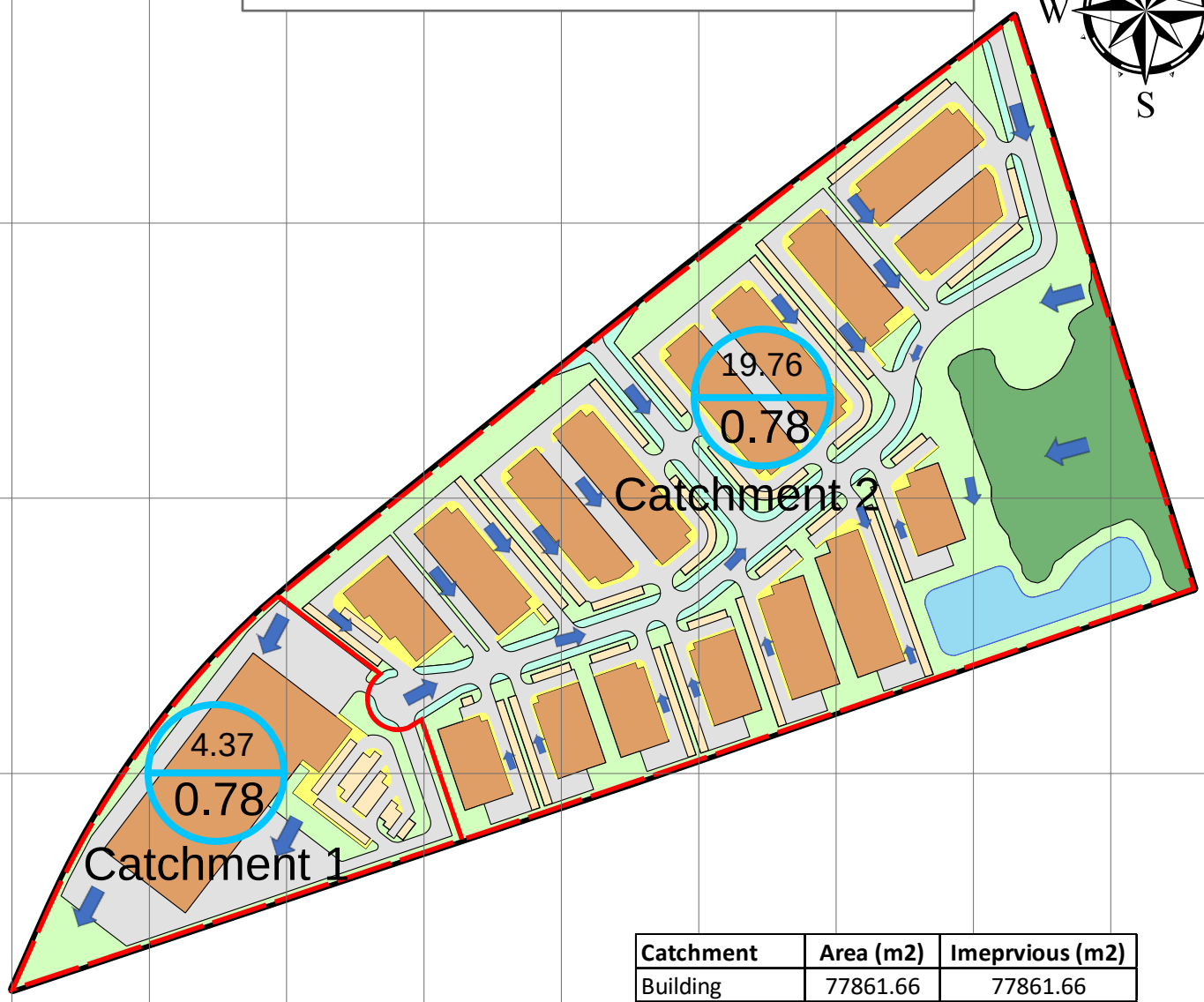
Appendix X – Pre- and Post-Development Catchment Area



Catchment	Area (m2)	Imeprvious (m2)
Building	884.48	63302.16
Driveway	2070.2	13768.16
Grassy Lawn	9231.19	0
Woodland	20819.85	0
Cultivated	208233.58	0
Total	**241239.3**	**77070.32**


Pre-Development Catchment Area
N
W
E
S
641300
641400
641500
641600
641700
641800
641900
642000
642100
642200
4875600
4875400
4875200
4875000
4874800
4874600
4874400
Legend
Woodland
Driveway
Building
Catchment
Boundary
Grassy Lawn
Cultivated
0 30 60 120 180 240
Meters

Post-Development Catchment Area



Catchment	Area (m2)	Imeprvious (m2)
Building	77861.66	77861.66
Driveway	81091.9	81091.9
Parking Lot	16934.8	16934.8
Walkway	9972.6	9972.6
Ditch	7951.98	0
Grassy Lawn	22666.1	0
Dry Pond	6338.31	0
Woodland	18422	0
Total	**241239.3**	**185860.9**

Legend

- Catchment
- Ditch
- Walkway
- Pond
- Grassy Lawn
- Parking
- Building
- Driveway
- Woodland
- Boundary

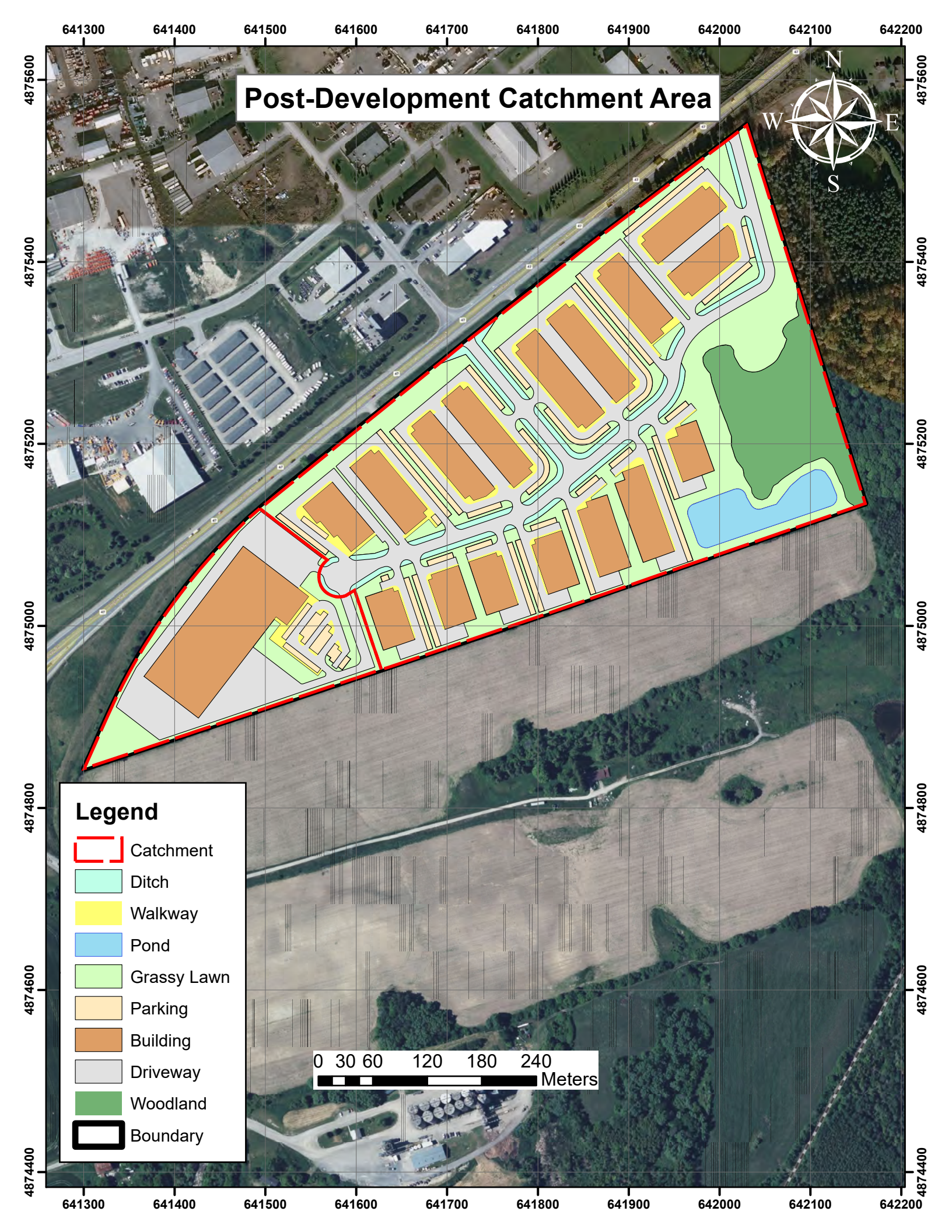
Area (ha)

Runoff Coefficient (-)

0 30 60 120 180 240 Meters

641300 641400 641500 641600 641700 641800 641900 642000 642100 642200

4875600 4875400 4875200 4875000 4874800 4874600 4874400


Post-Development Catchment Area
N
W
E
S
641300
641400
641500
641600
641700
641800
641900
642000
642100
642200
4875600
4875400
4875200
4875000
4874800
4874600
4874400
Legend
Catchment
Ditch
Walkway
Pond
Grassy Lawn
Parking
Building
Driveway
Woodland
Boundary
0 30 60 120 180 240
Meters

Appendix XI – Water Balance Calculations

WATER BUDGET- PRE-DEVELOPMENT

WATER BALANCE/WATER BUDGET ASSESSMENT

Catchment Designation	Site					
	Building	Driveway	Grassy Lawn	Woodland	Cultivated	Total
Area (m^2)	885	2,070	9,231	20,820	208234	241,239
Pervious Area (m^2)	0	0	9,231	20,820	208,234	238,285
Impervious Area (m^2)	885	2070	0	0	0	2,955
Infiltration Factors						
Topography Infiltration Factor	0	0	0.3	0.2	0.3	
Soil Infiltratin Factor	0	0	0.2	0.2	0.2	
Land Cover Infiltration Factor	0	0	0.1	0.2	0.1	
MOE Infiltration Factor	0	0	0.6	0.6	0.6	
Actual Infiltratin Factor	0	0	0.6	0.6	0.6	
Run-Off Coefficient	1	1	0.4	0.4	0.4	
Runoff From Impervious Surfaces *	0.95	0.6	0	0	0	
Inputs (per unit area)						
Precipitation (mm/yr)	844	844	844	844	844	844
Run-On (mm/yr)	0	0	0	0	0	0
Other Inputs (mm/yr)	0	0	0	0	0	0
Total Inputs (mm/yr)	**844**	**844**	**844**	**844**	**844**	**844**
Outputs (per unit area)						
Precipitation Surplus (mm/yr)	801.8	506.4	365	355	365	367
Net Surplus (mm/yr)	801.8	506.4	365	355	365	367
Evapotranspiratin (mm/yr)	42.2	337.6	479	489	479	477
Infiltration (mm/yr)	0	0	219	213	219	216
Rooftop Infiltration (mm/yr)	0	0	0	0	0	0
Total Infiltration (mm/yr)	0	0	219	213	219	216
Runoff Pervious Area	0	0	146	142	146	146
Runoff Impervious Area	801.8	506.4	0	0	0	240
Total Runoff (mm/yr)	801.8	506.4	146	142	146	151
Total Outputs (mm/yr)	844	844	844	844	844	844
Difference (Inputs-Outputs)	0	0	0	0	0	0
Inputs (Volumes)						
Precipitaiton (m^3/yr)	747	1,747	7,791	17,572	175,749	203,606
Run-On (m^3/yr)	0	0	0	0	0	0
Other Inputs (m^3/yr)	0	0	0	0	0	0
Total Inputs (m^3/yr)	747	1,747	7,791	17,572	175,749	203,606
Outputs (Volumes)						
Precipitation Surplus (m^3/yr)	709	1,048	3,369	7,391	76,005	88,523
Net Surplus (m^3/yr)	709	1,048	3,369	7,391	76,005	88,523
Evapotranspiratin (m^3/yr)	37	699	4,422	10,181	99,744	115,083
Infiltration (m^3/yr)	0	0	2,022	4,435	45,603	52,059
Rooftop Infiltration (m^3/yr)	0	0	0	0	0	0
Total Infiltration (m^3/yr)	0	0	2,022	4,435	45,603	52,059
Runoff Pervious Area (m^3/yr)	0	0	1,348	2,956	30,402	34,706
Runoff Impervious Area (m^3/yr)	709	1,048	0	0	0	1,758
Total Runoff (m^3/yr)	709	1,048	1,348	2,956	30,402	36,464
Total Outputs (m^3/yr)	747	1,747	7,791	17,572	175,749	203,606
Difference (Inputs-Outputs)	0	0	0	0	0	0

* Based on the Design Chart 1.07 (MTO, 1997), the runoff coefficients for roofs and gravel roads land uses are 0.7 - 0.95 and 0.4 - 0.6, respectively. We used the maximum amount, as the grades of the open gravel area is generally around 2%.

WATER BUDGET- POST-DEVELOPMENT

WATER BALANCE/WATER BUDGET ASSESSMENT

Catchment Designation	Site					
	Buildings	Driveway/Parking/Walkway	Grassy Lawn	Woodland	Dry Pond	Total
Area (m^2)	77,862	107,999	30,618	18,422	6,338	241,239
Pervious Area (m^2)	0	0	30,618	18,422	6,338	55,378
Impervious Area (m^2)	77,862	107,999	0	0	0	185,861
Infiltration Factors						
Topography Infiltration Factor	0	0	0.3	0.3	0.3	
Soil Infiltratin Factor	0	0	0.2	0.2	0.2	
Land Cover Infiltration Factor	0	0	0.1	0.2	0.1	
MOE Infiltration Factor	0	0	0.6	0.7	0.6	
Actual Infiltratin Factor	0	0	0.6	0.7	0.6	
Run-Off Coefficient	1	1	0.4	0.3	0.4	
Runoff From Impervious Surfaces *	0.95	0.95	0	0	0	
Inputs (per unit area)						
Precipitation (mm/yr)	844	844	844	844	844	844
Run-On (mm/yr)	0	0	0	0	0	0
Other Inputs (mm/yr)	0	0	0	0	0	0
Total Inputs (mm/yr)	**844**	**844**	**844**	**844**	**844**	**844**
Outputs (per unit area)						
Precipitation Surplus (mm/yr)	801.8	801.8	365	355	365	701
Net Surplus (mm/yr)	801.8	801.8	365	355	365	701
Evapotranspiratin (mm/yr)	42.2	42.2	479	489	479	143
Infiltration (mm/yr)	0	0	219	248.5	219	53
Rooftop Infiltration (mm/yr)	0	0	0	0	0	0
Total Infiltration (mm/yr)	0	0	219	248.5	219	53
Runoff Pervious Area	0	0	146	106.5	146	133
Runoff Impervious Area	801.8	801.8	0	0	0	802
Total Runoff (mm/yr)	801.8	801.8	146	106.5	146	648
Total Outputs (mm/yr)	844	844	844	844	844	844
Difference (Inputs-Outputs)	0	0	0	0	0	0
Inputs (Volumes)						
Precipitaiton (m^3/yr)	65,715	91,151	25,842	15,548	5,350	203,606
Run-On (m^3/yr)	0	0	0	0	0	0
Other Inputs (m^3/yr)	0	0	0	0	0	0
Total Inputs (m^3/yr)	65,715	91,151	25,842	15,548	5,350	203,606
Outputs (Volumes)						
Precipitation Surplus (m^3/yr)	62,429	86,594	11,176	6,540	2,313	169,052
Net Surplus (m^3/yr)	62,429	86,594	11,176	6,540	2,313	169,052
Evapotranspiratin (m^3/yr)	3,286	4,558	14,666	9,008	3,036	34,554
Infiltration (m^3/yr)	0	0	6,705	4,578	1,388	12,671
Rooftop Infiltration (m^3/yr)	0	0	0	0	0	0
Total Infiltration (m^3/yr)	0	0	6,705	4,578	1,388	12,671
Runoff Pervious Area (m^3/yr)	0	0	4,470	1,962	925	7,358
Runoff Impervious Area (m^3/yr)	62,429	86,594	0	0	0	149,023
Total Runoff (m^3/yr)	62,429	86,594	4,470	1,962	925	156,381
Total Outputs (m^3/yr)	65,715	91,151	25,842	15,548	5,350	172,415
Difference (Inputs-Outputs)	0	0	0	0	0	31,191

* Based on the Design Chart 1.07 (MTO, 1997), the runoff coefficients for rooftop and pavement are 0.7 - 0.95 and 0.8 - 0.95, respectively. We used the maximum ratio of 95% for both Asphalt Pavement and Rooftops.

WATER BUDGET- POST-DEVELOPMENT WITH MITIGATION

WATER BALANCE/WATER BUDGET ASSESSMENT

Catchment Designation	Site					
	Buildings	Driveway/Parking/Walkway	Grassy Lawn	Woodland	Dry Pond	Total
Area (m^2)	77,862	107,999	30,618	18,422	6,338	241,239
Pervious Area (m^2)	0	0	30,618	18,422	6,338	55,378
Impervious Area (m^2)	77,862	107,999	0	0	0	185,861
Infiltration Factors						
Topography Infiltration Factor	0	0	0.3	0.2	0.3	
Soil Infiltratin Factor	0	0	0.2	0.2	0.2	
Land Cover Infiltration Factor	0	0	0.1	0.2	0.1	
MOE Infiltration Factor	0	0	0.6	0.6	0.6	
Actual Infiltratin Factor	0	0	0.6	0.6	0.6	
Run-Off Coefficient	1	1	0.4	0.4	0.4	
Runoff From Impervious Surfaces *	0.95	0.95	0	0	0	
Inputs (per unit area)						
Precipitation (mm/yr)	844	844	844	844	844	844
Run-On (mm/yr)	0	0	0	0	0	0
Other Inputs (mm/yr)	0	0	0	0	0	0
Total Inputs (mm/yr)	**844**	**844**	**844**	**844**	**844**	**844**
Outputs (per unit area)						
Precipitation Surplus (mm/yr)	801.8	801.8	365	355	365	701
Net Surplus (mm/yr)	801.8	801.8	365	355	365	701
Evapotranspiratin (mm/yr)	42.2	42.2	479	489	479	143
Infiltration (mm/yr)	0	400.9	219	213	219	229
Rooftop Infiltration (mm/yr)	400.9	0	0	0	0	129
Total Infiltration (mm/yr)	400.9	400.9	219	213	219	359
Runoff Pervious Area	0	0	146	142	146	145
Runoff Impervious Area	400.9	400.9	0	0	0	401
Total Runoff (mm/yr)	400.9	400.9	146	142	146	342
Total Outputs (mm/yr)	844	844	844	844	844	844
Difference (Inputs-Outputs)	0	0	0	0	0	0
Inputs (Volumes)						
Precipitaiton (m^3/yr)	65,715	91,151	25,842	15,548	5,350	203,606
Run-On (m^3/yr)	0	0	0	0	0	0
Other Inputs (m^3/yr)	0	0	0	0	0	0
Total Inputs (m^3/yr)	65,715	91,151	25,842	15,548	5,350	203,606
Outputs (Volumes)						
Precipitation Surplus (m^3/yr)	62,429	86,594	11,176	6,540	2,313	169,052
Net Surplus (m^3/yr)	62,429	86,594	11,176	6,540	2,313	169,052
Evapotranspiratin (m^3/yr)	3,286	4,558	14,666	9,008	3,036	34,554
Infiltration (m^3/yr)	0	43,297	6,705	3,924	1,388	55,314
Rooftop Infiltration (m^3/yr)	31,215	0	0	0	0	31,215
Total Infiltration (m^3/yr)	31,215	43,297	6,705	3,924	1,388	86,529
Runoff Pervious Area (m^3/yr)	0	0	4,470	2,616	925	8,012
Runoff Impervious Area (m^3/yr)	31,215	43,297	0	0	0	74,512
Total Runoff (m^3/yr)	31,215	43,297	4,470	2,616	925	82,523
Total Outputs (m^3/yr)	65,715	91,151	25,842	15,548	5,350	203,606
Difference (Inputs-Outputs)	0	0	0	0	0	0

* Based on the Design Chart 1.07 (MTO, 1997), the runoff coefficients for rooftop and pavement are 0.7 - 0.95 and 0.8 - 0.95, respectively. We used the maximum ratio of 95% for both Asphalt Pavement and Rooftops.

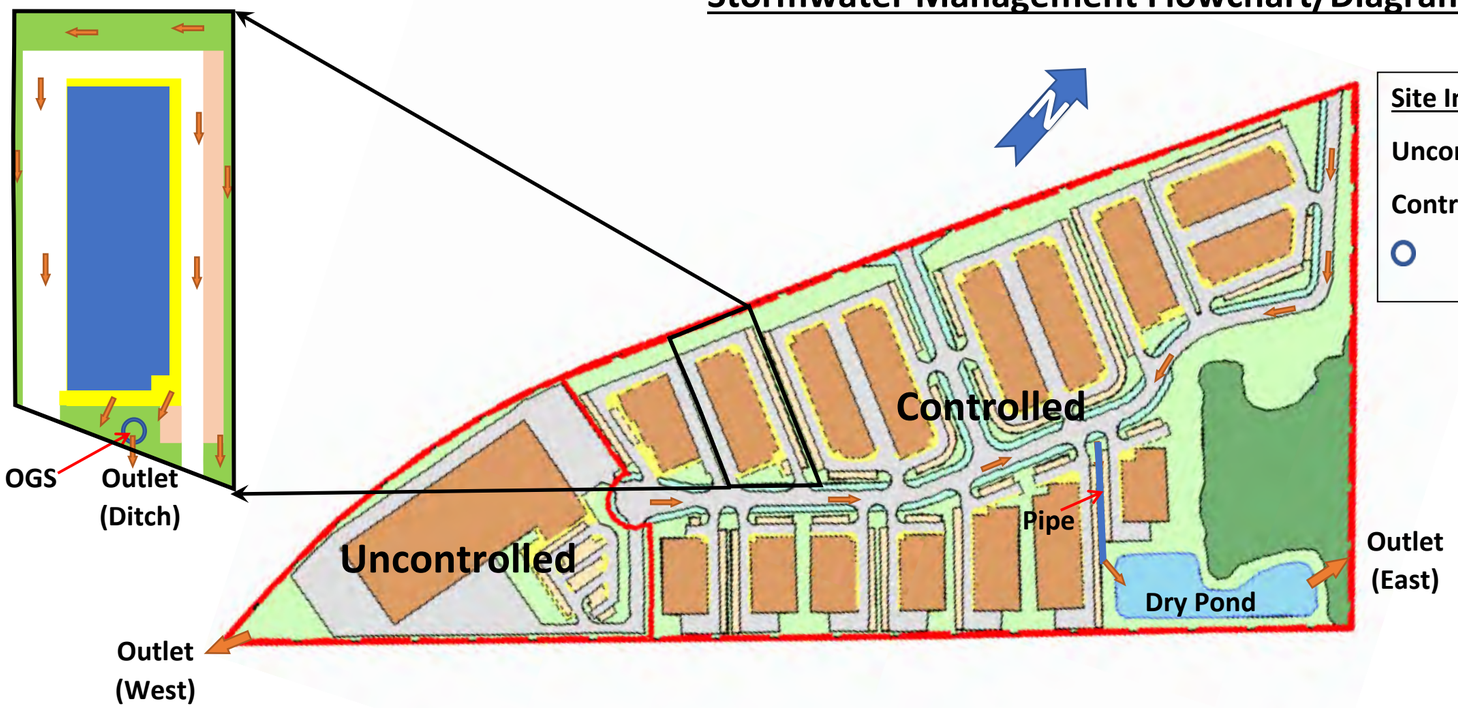
WATER BUDGET SUMMARY

WATER BALANCE/WATER BUDGET ASSESSMENT

Characterstic	Site				
	Pre-Development	Post-Development	Change (Pre- to Post-)	Post-Development with Mitigation	Change (Pre- to Post- with Mitigation)
Inputs (Volumes)					
Precipitaiton (m^3/yr)	203,606	203,606	0.0%	203,606	0.0%
Run-On (m^3/yr)	0	0	0.0%	0	0.0%
Other Inputs (m^3/yr)	0	0	0.0%	0	0.0%
Total Inputs (m^3/yr)	203,606	203,606	0.0%	203,606	0.0%
Outputs (Volumes)					
Precipitation Surplus (m^3/yr)	88,523	169,052	91.0%	169,052	91.0%
Net Surplus (m^3/yr)	88,523	169,052	91.0%	169,052	91.0%
Evapotranspiratin (m^3/yr)	115,083	34,554	-70.0%	34,554	-70.0%
Infiltration (m^3/yr)	52,059	12,671	-75.7%	55,314	6.3%
Rooftop Infiltration (m^3/yr)	0	0	0.0%	31,215	0.0%
Total Infiltration (m^3/yr)	52,059	12,671	-75.7%	86,529	66.2%
Runoff Pervious Area (m^3/yr)	34,706	7,358	-78.8%	8,012	-76.9%
Runoff Impervious Area (m^3/yr)	1,758	149,023	8379.1%	74,512	4139.5%
Total Runoff (m^3/yr)	36,464	156,381	328.9%	82,523	126.3%
Total Outputs (m^3/yr)	203,606	172,415	-15.3%	203,606	0.0%

Appendix XII – SWM Flowchart

Stormwater Management Flowchart/Diagram



Site Impervious Areas Layout

Uncontrolled: Lot 1

Controlled: Lots 2-14 & Roadway

Oil Grit Separator (OGS)