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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 332 mm/year or 52,059 m³ to 80,207 m³ (+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 km² 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).^{IIII}



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 m² of buildings, 2070 m² of driveway, 9231 m² of grassy lawn, 20,820 m² of woodland and 208,234 m² 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 lowlying 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.

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	Ν	Clay	Stone	60	23.8	339	320.8
1914561	2000	Е	N/A	N/A	-	-	348	-
1916255	2002	E	Sand	Clay	89	27.1	348	320.9

Table 1 - MECP Well Records – Within the site boundary

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

Well ID	Year of Constructi on	Relative Direction of New Developmen t	Surfac e Soil Type	Other Material s near Surface	Found Groundwate r below Grade (ft)	End of Hole Dept h (m)	Estimate d 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	Ν	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	Ν	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	Ν	N/A	N/A	-	-	347	-
1918127	2005	Ν	N/A	N/A	-	-	347	-
1918128	2005	N	N/A	N/A	-	-	346	-
1909391	1988	N	Sand	Stone	-	75	345	-
1917328	2004	Ν	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	Ν	Clay	Sand	156	65.2	344	296.5
1911493	1990	Ν	Clay	Stone, Boulder	-	68.6	343	-
1911495	1991	Ν	Clay	Stone	153	61	344	297.4
1910882	1990	Ν	Loam	-	170	60	342	290.2
1909452	1988	N	Sand	Stone, Clay	196	65.2	343	283.3
1909453	1988	Ν	Sand	Stone, Clay	196	65.5	342	282.3
7281687	2017	SW	Silt	Sand	15	9.1	322	317.4



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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).

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 2 - Borehole & Monitoring Well Summary



Borehole		Date			Max GW
<i>#</i>	Drilling day (MaJul. 2023)	23-Aug., 2023	04-Oct., 2023	07-Nov., 2023	(mbgl)
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

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

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:

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



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

$$\begin{split} K_{a101} &= 8.4\text{E-7 m/sec} = 8.4\text{E-5 cm/sec} \\ K_{a102} &= 1.7\text{E-8 m/sec} = 1.7\text{E-6 cm/sec} \\ K_{a103} &= 4.6\text{E-7 m/sec} = 4.6\text{E-5 cm/sec} \\ K_{a104} &= 8.4\text{E-7 m/sec} = 8.4\text{E-5 cm/sec} \end{split}$$

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:

 $PT_{101} = 13.6 \text{ min / cm} (Infiltration Rate = 44.1 \text{ mm/hour})$ $PT_{102} = 38.7 \text{ min / cm} (Infiltration Rate = 15.5 \text{ mm/hour})$ $PT_{103} = 16 \text{ min / cm} (Infiltration Rate = 37.6 \text{ mm/hour})$ $PT_{104} = 13.6 \text{ min / cm} (Infiltration Rate = 44.1 \text{ mm/hour})$

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. Grainsize 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.



Monitoring Well No.	Well Depth	Screened interval (masl)	Screened Stratigraphic	Estimated Percolation Rate	Infiltration Rate (mm/hour)
	(m)	()	unit	("T-time")	
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 4 -Shallow Soil Grain Size Analyses Results

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.

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

Table 6: Summary of Hydraulic Conductivity Testing via Slug Test

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.

	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	
3.7 - 4.5m	Brown sandy clay, moist, medium		plastic	
	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	

Table 7 – Soil stratigraphy	in the	studied	boreholes
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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 m² in Zone C with a score of 6, and 389 m² 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 $0.8 \sim 0.9$ 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 $0.1 \sim 0.7$ 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 m³ of groundwater recharge per year. Runoff is 151mm/year = 36,464 m³/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 m³ (61% decrease as compared to pre-development).

	Site					
Characterstic	Pre- Development	Post- Development	Change (Pre- to Post-)	Post-Development with Mitigation	Change (Pre- to Post- with Mitigation)	
		Inputs (Volume	5)			
Precipitaiton (m³/yr)	203,606	203,606	0.0%	203,606	0.0%	
Run-On (m³/yr)	0	0	0.0%	0	0.0%	
Other Inputs (m ³ /yr)	0	0	0.0%	0	0.0%	
Total Inputs (m³/yr)	203,606	203,606	0.0%	203,606	0.0%	
		Outputs (Volume	es)			
Precipitation Surplus (m ³ /yr)	88,523	169,052	91.0%	169,052	91.0%	
Net Surplus (m³/yr)	88,523	169,052	91.0%	169,052	91.0%	
Evapotranspiratin (m³/yr)	115,083	34,554	-70.0%	34,554	-70.0%	
Infiltration (m³/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 (m³/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%	

Table	9 -	-Water	Balance	Summary

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 $\Delta V = +37,200 \text{ m}^3$).



Post-development with mitigation, the total rate of infiltration has increased from 216 to 332mm/year or 52,059m³ to 80,207m³ (+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.



Hydrogeological Report Rural Industrial Development 123 Durham Regional Highway 47 Uxbridge, ON

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,

A. Samadi

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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

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MINISTRY OF THE	ENVIRONMENT COP	PΥ		1	FURM / 07-091

Ontario Ministry of Environm	of ient 9y				•		T	he Ont WA	<i>ario Wa</i> TER W	<i>ter Reso</i> /ELL F	ources Ad RECOR	ct D
Print only in space Mark correct boy	ces provided. x with a checkmark, wher	re applicable.		11	19	9145	61		9012 14	Con.	22 23	3 24
County or District	DALITY OF DUR	ZHAM	Township/	Borough/City	Town/Villac	ÎE MÌ)USTEIA	Con Cpt	block tract - <i>LOTS</i> Date	survey, et 3,4,5	^{c.} Lot. * \$6). * 705 0	5-27 10
21	Ţ			Northing	SMD.		venu	C Basin	Code	bleted day	month y	ear
1	M 10	LOG OF O	VERBURDEI	N AND BEI	24 DROCK M	ATERIALS	» (see instr	uctions)			Denth fee	47
General colour	Most common mater	rial	Oth	er materials			Gen	eral descri	otion	F	rom To	
WER	DECOMMIS	ssiuni	ING 1	leco	e0							
WER #	ML2-2-	31/20	ET OV	IEL DE	IN T	44	HSA	z Be	ENTON Sul	M E	Los T T	
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31												
10 14 41 WAT	TER RECORD	51 Inside	CASING &	OPEN HOL	43 E RECOF	D	54 Sizes Z (Slot	of opening	31-33 D	65 ameter 34-38	Length 34	80 .9-40
at - feet	Kind of water	diam inches	Material	thickness inches	From	To 13–16		IN KM		6 inches Dept	h at top of screen	eet 30
2 [] 15-18 t []] Salty 6 ☐ Gas		Galvanized Concrete		0	31'	σ UΛ	KNON	<i>[</i> ,]	2	00′ _{feet}	
20-23	Salty B Gas	1 7-18 1 7-18 1 2 1 7-18 1 [2	■Plastic Steel ¹⁹ Galvanized		-	20-23	61	PLU Annular	GGING & S		ECORD andonment	
2 [] 25-28 1 []	Salty 6 Gas	M2.3 : [Concrete Open hole Plastic		0	14	From		Material and	type (Cement g	grout, bentonite, et	(tc.)
2 [] 30-33 1 [Servy ⁴ I Minerals 6 Gas Fresh ³ Sulphur ³⁴ ⁶⁰	6 1	Steel ²⁶ Galvanized Concrete	.188	Jidt	27-30 • • •	180	165	HOLE	owg		
	Salty 6 ☐ Gas		Open hole Plastic		0	200	165~	0 ****	" CEM	ENT G	BOUT.	
71 Pumping test m 1 Pump 2 [ethod ¹⁰ Pumping rate Bailer Vater level ²⁵	GPM	Ouration of pumpin	17-18 Mins		In diagrar	l n below sh	L OCATIO ow distand	N OF WELI	- rom road an	nd lot line.	
Static level er	nd of pumping Water levels	during 1 ∐ P 30 minutes 4 29–31	15 minutes 6	Becovery	ten internetenet	Indicate n	orth by arro	DW.				
If flowing give re	feet feet ate 38 11 Pump intake se	feet tat V	feet Vater at end of tes	feet t 42			•				/	
Id WD Recommended	GPM grimp type Recommended	feet 43-45 F	Clear Recommended	Cloudy 46-49			ALZ	-2				
☐ Shallow	Deep	feet		GPM		•	ML 2	-3				
FINAL STATUS 1 Uater sup 2 Observation	SOF WELL 54 pply 5 Abandoned on well 6	l, insufficient supp l, poor quality	oly ⁹ Unfinish ¹⁰ Replace	ed ment well	llaeu							
³ ∐ Testhole 1 ☐ Recharge	well 8 Dewatering	(Other)			eD	600		1.	,			
WATER USE 1 Domestic 2 Stock	55-56 ⁵ □ Commercia ⁶ □ Munici aet		গ ☐ Notuse গ ☐ Other	d	3°			/41				
³ ☐ Irrigation 4 ☐ Industrial	7 Deblic supp 8 Cooling & a	oly air conditioning	_ 00104									
METHOD OF C	ONSTRUCTION 57	ion	9 🗌 Driving									
 2 □ Rotary (cc 3 □ Rotary (re 4 □ Rotary (ai 	onventional) 6 Boring everse) 7 Diamond ir) a Jetting	AUG	10 Digging 11 Other			VXVILL	.E /N	DUST	IAL PE) 20	0640	
Name of Well Contra LANTEC Address	H DUILING S	ERV.		's Licence No.		ce of inspection	58 Contracc	tor BOS	59-62	JUN 0	8 2000	80
S66 M Name of Well Techn	NAT AUBELT	M M	Well Technician	W, UN 1's Licence No. 19	SU YATS	arks				ſ	SS FOO	
Signature of Technic	cita/Contractor		Submission dat day 6 mo	"G y 00	NIW						~	
1	ju			000						0506 (07/94) Front Forr	m 9

2 - MINISTER OF ENVIRONMENT & ENERGY COPY

🕅 Ontario	Ministry of Environment and Energy
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The Ontario Water Resources Act WATER WELL RECORD

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

nark, where applicable. $\begin{bmatrix} 11\\ 1 \end{bmatrix}$ 1916255

County or District		Township/Borough/City/Town/Vi	llage Con block tract surve	y, etc. Lot 25-27 pt.12&1
		Address of Well Location 123 Hwy. 47	Uxbridge, ON Date completed	26 11 02 day 100th Vear
21	Zone E	asting Northing	RC Elevation RC Basin Code ii	
2	<u>ښانې لي</u> LOG O	F OVERBURDEN AND BEDROCK	MATERIALS (see instructions)	47
General colour	Most common material	Other materials	General description	Depth - feet From To
Brown	Sand	Clay	Layered	0 40
Brown	Sand		Medium	40 55
Brown	Sand		Medium, Clean	55 89
				<u> </u>
		<u></u>		
31				
32				
41 WATE	Kind of water	CASING & OPEN HOLE RECO	RD Sizes of opening 31-33 Diameter septh - feet II Sizes of opening 31-33 Diameter	34-38 Length 39-40
at - feet	Kind of water diam inches	Materiai thickness From	13-16 W Material and type	Depth at top of screen 30
89 ₂	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	2 Galvanized 3 Concrete 4 Open hole	0 83 6 Johnson 373	O J feet
2	4 □ Minerals Salty 6 □ Gas 17-18	5 □ Plastic 1 □ Steel	20-23 61 PLUGGING & SEALING	Abandonment
20-23 1 [2 [I Fresh 4 I Minerals Salty 6 Gas	2 □ Galvanized 3 □ Concrete 4 □ Open hole	Depth set at - feet From To Material and type (Co	ement grout, bentonite, etc.)
25-28 1 [2 [3 □ Sulphur 29 4 □ Minerals 24-25 3 Salty 6 □ Gas	5 □ Plastic 1 □ Steel ²⁶	27-30 79 83 17 K. Packe	er top 4'
30-33 1	I Fresh ³ ☐ Sulphur ³⁴ 60 A ⊡ Minerals	2 □ Galvanized 3 □ Concrete 4 □ Open hole		
	Gals 6 Gas			
71 Pumping test m	Bailer Pumping rate 11- Bailer 70 GP	M 15-16 17-18 M Hours Mins	LOCATION OF WELL	road and lot line.
Static level e	Vater level 23 Mater levels during 22-24 15 minutes 30 minutes	1 Second Pumping 2 Image: Recovery 45 minutes 60 minutes	Indicate forth by arrow.	1
도 및 50 _{feet}	75 feet feet f	-31 32-34 35-37 -31 75 feet feet	Y	W
If flowing give ra	ate 38-41 Pump intake set at GPM 75 fe	Water at end of test 42	cm	1.
■ Recommended p	ump type Recommended 43 pump setting 75	A5 Recommended 46-49 pump rate 10	4	
50-53	fe	GPM	d Hwy. 47	
FINAL STATUS	SOFWELL 54 ply ⁵ Abandoned, insufficient	t supply 🧕 🗆 Unfinished	1	
 ² Observation ³ Test hole ⁴ Recharge 	on well 6	ty 10 🗆 Replacement well	w w	
WATER USE	55-56		with Barn	
2 Domestic 2 Stock	5 Commercial 6 Municipal 7 Public supply	9 🗆 Not use 10 🗆 Other		
4 🗌 Industrial	 B Cooling & air conditioni 	ing		
METHOD OF (57 5 CONSTRUCTION 57	⁹ Driving		
² Botary (co ³ Rotary (re	nventional) ⁶ Boring verse) ⁷ Diamond r) ⁸ Letting	¹⁰ □ Digging ¹¹ □ Other		255102
				CJJ402
Name of Well Contr Roger B	actor D adway Ent., Ltd	Well Contractor's Licence No.	Data 58 Contractor 59-62 Date rec source 1413 DEC	eived 63-68 80
Address Box 307	Sutton West ON		Date of inspection Inspector	
Name of Well Techn		Well Technician's Licence No.	Remarks	
Signature of Technic	cian/Contractor	Submission date	CSS	S.ES2
rogh	120adwa			0506 (06/02) Front Form

Environment			RECO	R
L. PRINT ONLY 2. CHECK 🛛 (Y IN SPACES PROVIDED CORRECT BOX WHERE APPLICABLE TOWNSHIP, BOROUGH. CITY, TOWN. VILLAGE	190621/ 19.012	Y. EYC	
1 al mun	Midge	Con 1		2/R
	touffit	ke	02 .09	¥
2 w 10 12	874350			•••
. HOST	LOG OF OVERBURDEN AND BEDRO	OCK MATERIALS (SEE INSTRUCTIONS)		
COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	FROM	TO
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2 60922281200				
TER FOUND KIND OF WATER	INSIDE CASING & OPEN HOLE	RECORD	31-33 DIAMETER 34-31	3
10 OF WATER	DIAM MATERIAL THICKNESS FF	RGM TO MATERIAL AND TYPE	DEPTH TO TOP	41-44
■ • • • • • • • • • • • • • • • • • • •	10-11 1 12 STEEL 12		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	1
15-18 1 _ FRESH 3 _ SULPHUR 1	1964 1 GALVANIZED	0079"" SS	8 SEALING RECOU	
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Ministry		The Ontari	io Water Resource	s Act
of the Environment	WA			RECORD
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N 10 12				
GENERAL COLOUR MOST COMNON MATERIAL	OTHER MATERIALS	GEI	NERAL DESCRIPTION	DEPTH - FEET FROM TO
Brock Loam,	with stones	\$		0 2
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WATER RECORD	51 CASING & OPEN HOLE		54 12E(5) OF OPENING 31-3 SLOT NO J	1001250 LENGTH 33-40
WATER FOUND AT - FEET 10-13 1 FRESH 3 SULPHUR 14	INSIDE WALL THICKNESS INCHES INCHES	FROM TO US	AATERNAL AND TYPE	DEPTH TO TOP 41-44 30 OF SCREEN
2 □ SALTY 4 □ MINERAL 35-18 1 □ FRESH 3 □ SULPHUR ¹⁹ 2 □ SALTY 4 □ MINEPAL	a2 ¹¹ 2 Galvanized 1 □ concrete 4 □ open hole	D/0088 61		SEALING RECORD
20-23 1 _ FRESH 3 _ SULPHUR ²⁴ 2 _ SALTY 4 _ MINERAL	17-18 STEEL 2 GALVANIZED 3 CONCRETE	20-23 DEF FR	OM TO MAT 10-11 14-17	CEMENT GROUT. LEAD PACKER, ETC.)
25-26 1 _ FRESH 3 _ SULPHUR ²⁹ 2 _ SALTY 6 _ MINERAL	4 □ OPEN HOLE 24-25 1 □ STEEL 25 2 □ GALVANIZED	27-30	18-21 22-25	
30-33 1 🗇 FRESH 3 🗋 SULPHUR ³⁴ 2 🗋 SALTY 4 🗍 MINERAL	0 3 □ CONCRETE 4 □ OPEN HOLE		26-29 30-33 80	
71 UMPING TEST METHOD 10 PUMPING R	ate 11-16 DURATION OF PUMPING GPM 0/ 15-18 20 17-18 HOURS 20 MIN	02 00505	LOCATION OF	WELL
STATIC WATER LEVEL 25 END OF WATER LEVEL PUMPING 0 19-21 22-24 15 NWUT	1 □ PUMPING 2 □ PUMPING 2 □ RECOVERY 45 NINUTES 60 MINUTES	IN DIAGRAM E LOT LINE.	BELOW SHOW DISTANCES C INDICATE NORTH BY ARRO	DF WELL FROM ROAD AND DW.
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WATER 3 DOMESTIC	5 COMMERCIAL 6 MUNICIPAL 7 PUBLIC SUPPLY	ay .	·	
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Ministry of the Environme	nt	WAT	The C	Ontario Water Resou WELL	
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COUNTY OR DISTRICT	TOWNSHIP, BOROUGH	CITY, TOWN, VILLAGE		CON, BLOCK, TRACT, SURV	EY, ETC
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		DEN AND BEDRO	DCK MATERIA	LS (SEE INSTRUCTIONS)	DEPTH - FFFT
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Brown S	and the time water	- hearing	Said		5663
Krown Sa.	u + Gravel	water-T	20arina	`	90 96
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		j k k i i			
41 WATER RECO	ORD 51 CASING			SIZE (S) OF OPENING (SLOT NO) 2 5	55 75 80 31-33 DIAMETER 34-38 LENGTH 39-40
AT - FEET RIND OF W	ATER DIAM. MATERIAL INCHES J SULPHUR MINEPAI	THICKNESS INCHES FR	OM TO 13-16	MATERIAL AND TYPE	DEPTH TO TOP 41-44 30 OF SCREEN / //
15-18 1 G FRESH 3 G 2 G SALTY 4	□ SULPHUR ¹⁹ □ SULPHUR ¹⁹ □ MINERAL ¹ ¹ ² ¹ ² ¹ ² ¹ ² ¹	E .188 () 93	61 PLUGGIN	G & SEALING RECORD
20-23 _ FRESH 3 (2 _ SALTY 4 [□ SULPHUR 24 □ SULPHUR 24 □ MINERAL 3 □ CONCRET	is ZED F	20-23	DEPTH SET AT - FEET FROM TO	MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER. ETC.)
25-28 1 _ FRESH 3 2 _ SALTY 4	□ SULPHUR ²⁹ 4 □ OPEN HOI □ MINERAL 24-25 1 □ STEEL 2 □ CALINDUS	26	27-30	18-21 22-25	
30-33 I _ FRESH 3 (2 _ SALTY 4 (□ SULPHUR 34 00 3 □ CONCRETE □ MINERAL 4 □ OPEN HOI	E LE		26-29 30-33 80	·····
71 PUMPING TEST NETHOD 1 DPUMP 2 DBAILER	10 PUMPING RATE 11-14 DURATION 1 20 GPN	0F PUMPING 15-16 36 17-18 HOURS 36 MINS		LOCATION C	OF WELL
STATIC LEVEL WATER LEVEL PUMPING 19-21 22-	WATER LEVELS DURING 2	PUMPING RECOVERY	IN DIAC Lot Lii	GRAM BELOW SHOW DISTANCE NE. INDICATE NORTH BY A	ES OF WELL FROM ROAD AND RROW.
5 61 FEET 71 FE	26-28 29-31 EET FEET FEET	32-34 35-37 FEET FEET	0/0	002002	
GIVE RATE	AT PUMP INTAKE SET AT WATER AT SPM FEET 1 CL	END OF TEST 42			
C SHALLOW DE DEEP	RECOMMENDED 43-45 RECOMMEN PUMP PUMPING SETTING 89 FEET RATE	DED 46-49			
FINAL 54 1 BVW	WATER SUPPLY S ABANDONED, IT	NSUFFICIENT SUPPLY			
STATUS 3 0 T OF WELL 4 0 R	DBSERVATION WELL & CABANDONED, P (EST HOLE 7 CUNFINISHED RECHARGE WELL	OOR QUALITY			
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	CABLE TOOL 6 BORIN ROTARY (CONVENTIONAL) 7 DIAMO	G			
OF 3 C R DRILLING 4 C R	IOTARY (REVERSE) & JETTIN IOTARY (AIR) 9 DRIVIN	NG NG		a • • • • • • •	
NAME OF WELL CONTRACTOR		LIDE JUNDER	DATA SOURCE	58 CONTRACTOR 59-62	DATE RECEIVED 1 A A 1 43.61 0
ADDRESS DATA	Water Wells	10247	DATE OF INSPECT	ION INSPECTOR	- C 1 U 8 G
NAME OF DRILLER OR BORER	Mek II	LICENCE NUMBER			
SIGNATURE OF CONTRACTOR	FIMM GUL	1 0 4 3 8	OFFIC		
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Ontario	N SPACES PROVIDED	1909338 1.9012	
2. CHECK CON	TOWNSHIP, BOROUGH, CITY, TOWN VILLAGE UXBRIDGE ADDRESS	CON BLOCK TRACT. SURVEY ETC CON 1 CON 1 CON 1 DATE	LOT 13 COMPLETED 10-53 88 23 MO 10-53 88
ZONE EASTING			
	LOG OF OVERBURDEN AND BEDROC	K MATERIALS (SEE INSTRUCTIONS)	
GENERAL COLOUR MOST CONMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	FROM TO
Brain clay	sandy		0 d3
Brown sand	stones		61 87
Brown sand	4		87 137
Som sand	slover		137 143
They day	sandy more		143 156
Then stones	sand untile clay		156 214
		43 ECORD 31-33 Z (SLOT NO)	65 73 80 DIAMETER 34-38 LENGTH 39-40
WATER FOUND AT - FEET KIND OF WATER	INSIDE MATERIAL THICKNESS FRC	EPTH - FEET	DEPTH TO TOP AI-44 30
156 ¹³ 1 1 FRESH 3 DSULPHUR 2 D SALTY 6 GGAS	10-111 1 DISTEEL 10-111 1 DISTEEL 1 L 2 DIGALVANIZED	189	187 FEET
15-18 1 FRESH 3 SULPHUR 4 MINERALS 2 SALTY 6 GAS	TO TO A CONCRETE A DOPEN HOLE 5 PLASTIC	20-23 DEPTH SET AT - FEET	SEALING RECORD
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25-28 1 _ FRESH 3 _ SULPHUR 4 _ MINERALS 2 _ SALTY 6 _ GAS	25 5 PLASTIC 24-25 1 D STEEL	27-30 18-21 22-25	
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71 PUMPING TEST METHOAL 10 PUMPING	RATE 11-14 DURATION OF PUMPING	A LOCATION OF V	WELL
1 DUMP 2 BAILER STATIC WATER LEVEL 23 END OF WAT	GPM HOURS MINS	IN DIAGRAM BELOW SHOW DISTANCES OF LOT LINE INDICATE NORTH BY ARROW	WELL FROM ROAD AND
LEVEL PUNPING 10-21 22-24 15 MINU 10-21 22-24 15 MINU	$\begin{array}{c c} & & & \\ \hline & & \\ \hline \\ \hline \\ \hline \\ \hline \\ \hline \\ \hline \\$		
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SHALLOW DEEP	FEET RATE GPM		
	Y B ABANDONED, INSUFFICIENT SUPPLY		
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			4 1
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0 OTHER	• □ NOT USED	47 HW	<u> </u>
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NAME OF WALL CONTRACTOR	Well CONTRACTOR'S	DATA SOURCE SI CONTRACTOR 33-62 DATE	SEP 2 7 1988
CI DRI COM MARCH	1. Do Ont	DATE OF INSPECTION INSPECTOR	• ·
NAME SEWER TECHNIGAN	WELL TECHNICIAN'S		
SIGNATURA OF TECHNICIAN/CONTRAST	SUBMISSION DATE	OFFIC	
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	2. CHECK 🗵 CORRI	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE		CON	I. BLOCK TRACT. SU	14 15 RVEY. ETC.		22 23 24 LOT 25-27 /3
OWNER (SURNAME FIR	Const.	ADDAESS RRF2 L	oup	ille	BASIN CODE	DAY 2	<u> Mo _ /</u>	<u>YR</u>
21		NORTHING HC	26		31			47
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1 2 10 [41] WA	TER RECORD	51 CASING & OPEN HOLE	RECORD		LOT NO +	31-33 DIAM	ETER / 34-38	LENGT 39-40
WATER FOUND AT - FEET	KIND OF WATER	INSIDE WALL DIAM MATERIAL THICKNESS INCHES F	DEPTH FEET		TERIAL AND TYPE	<u> </u>	DEPTH TO TOP OF SCREEN	41-44 30
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C IF FLOWING, GIVE RATE	38-41 PUMP INTAKE	SET AT WATER AT END OF TEST 42			#	\otimes	LOTI	13
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1 2 10 [41] WA	TER RECORD	51 CASING & OPEN HOL	E RECORD	SIZE (S) OF OI	PENING 31-33	65 DIAMETER 34-38	LENGTH 39-40
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20-21		4 OPEN HOLE	20-23	61 DEPTH SET AT		SEALING REC	ORD
25-28] FRESH ³ [] SULPHUR] SALTY ⁴ [] MINERAL 29	CONCRETE		FROM 10-13	TO 14-17		PACKER. ETC.)
1 [2 [] FRESH 3 [] SULPHUR] SALTY 4 [] MINERAL 34 40	24-25 1	27.30	18-21	22-25		
2] FRESH 3 [] SULPHUR] SALTY 4 [] MINERAL	3 CONCRETE 6 C OPEN HOLE		26-29	30-33 80		
71 PUMPING TEST NOT	THOP R 10 PUMPING RATE	E 11-14 DURATION OF PUMPING 7 15-16 3 17-1 HOLES 3 17-1		LOCA	TION OF V	VELL	
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TES S C	2-0-1- 2-0-2-4-2	■ 2 (29-31) 2 (20-35)3	7	20	RI.		
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RECOMMENDED PU	GPM GPM RECOMMENDED		-	#	Mall	#2	
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OF WELL	3 V TEST HOLE 4 🗌 RECHARGE WELL	7 [] UNFINISHED		K	Lo	T13	
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METHOD	57 1 CABLE TOOL	6 🔲 BORING			HWX		
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A1 NAVA				BECOBD	Z SIZE (S	54	31-33 DIAMETER	34-38 LENGTH 39-40
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15-18 ,	SALTY 4 MINERALS	2 GALVANIZED 3 CONCRETE				DUUCCINC		
2	A D NINERALS	17-14	19	20-23	DEPTH S			CEMENT GROUT
20-23 1 Z	FRESH 3 ULPHUR 24 4 MINERALS SALTY 6 GAS	2 GALVANIZED 3 CONCRETE			FROM 10	10		LEAD PACKER. ETC.)
25-28 1	FRESH 3 SULPHUR 23	24-25	26	27-30	18	-21 22-25		
30-33	G GAS	C STEEL 2 GALYANIZED 3 CONCRETE			26	-29 30-33 80		
2	$\Box \qquad 4 \Box \text{ minerals} \\ \Box \text{ salty} \qquad 6 \Box \text{ gas}$	4 DOPEN HOLE 5 D PLASTIC						
71 PUMPING TEST N	ETHOD IO PUMPING RAT	E 11-14 DURATION OF I	PUMPING 5-16 17-18		L	OCATION O	FWELL	
	BAILER WATER LEVEL 25 WATER LEVEL XATER LEVEL		DURS MINS PUMPING		AGRAM BELC	DW SHOW DISTANCES	OF WELL FROM	N ROAD AND
	PUMPING 11 22-24 15 MINUTES	30 MINUTES 45 MINUTES	S 60 MINUTES					
	16- ET FEET FE	28 29-31 J ET FEET	12-34 35-3 FEET FEET			1 MI	. 🖌	
C IF FLOWING	38-41 PUMP INTAKE	SET AT WATER AT END	OF TEST 41		•			
	GPM UMP TYPE RECOMMENDE	FEET 1 CLEA	R Z L CLOUDY					
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OF WELL	3 🗌 TEST HOLE 4 🗌 RECHARGE WELL	7 🗌 UNFINISHED 9 🔲 DEWATERING					/	
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METHOD	57 1 CABLE TOOL	• D BORING				un t	IWC	
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	2 _ 5/ 25-28 1 _ FF	4 MINERALS 6 GAS RESH 3 SULPHUR 4 MINEPALS	3 CONCRETE 4 OPEN HOLE 5 D PLASTIC 24-25	26		27-30	10-13 14-17 18-21 22-25			
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	1 PUMP 2 C STATIC W LEVEL	BAILER	LEVELS DURING	HOURS MINS		IN DIAGRAM B	ELOW SHOW DISTA	NCES OF WELL Y ARROW.	FROM ROAD A	AND
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	FINAL STATUS	2 OBSERVATION WE	CL 6 ABANDONED P 7 UNFINISHED 9 DEWATERING	OOR QUALITY	RH				• *	-08#1
1	55-50				04				•#:	3 WELL
	USE	3 [] IRRIGATION 4 [] INDUSTRIAL [] OTHER	7 D PUBLIC SUPPLY COOLING OR AIR C P	NDITIONING NOT USED						
	wethod	CABLE TOOL		IG DND			47	HWO	· .	
со	OF NSTRUCTION	3 C ROTARY (REVERS 4 ROTARY (AIR) 6 AIR PERCUSSION	E) • [] JETTI • [] DRIVI [] DIGGI	NG NG □ OTHER		ERS REMARKS	# T		37	789
	NAME OF WELL CON	ITRACTOR	Limited	CELL CONTRACTOR'S		DATA			1619	88 *** **
ACTO	ADDRESS	41 Stouffuil	le. Ontario	<u>4a</u> 7x5	SE ON	DATE OF INSPECTION	INSPEC	for		
ONTR.	Na Hai	TEGHNICIAN CONTRACT		OF SUMPER		REMARKS				
Ŭ	SIGNATURE OF TE	A IN MICONTRACTOR	I GAN DAY	MO YR	0				CSS .	11/86 EOPM 0
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Mini	stry			The	Ontario W	ater Resource	s Act	חסו
	romment int	m#2	WAI	ER			LECL	
Ontario	1. PRINT ONLY IN	SPACES PROVIDED	11	1909	453	19012		22 23 74
COUNTY OR DISTRICT	2. CHECK 🖾 CORF	TOWNSHIP, BOROUGH. C	LITY, TOWN, VILLAGE		CON BL	OCK. TRACT. SURVEY. E	TC	LOT 23-27
OWNER (SURNAME FIR	AM.	PAL ADDRESS	BRIDG	E		CONT	DATE COMPLETED	17" 80
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21		[] [
	L	DG OF OVERBURD	EN AND BEDRO	DCK MATER	IALS (SEE INS	(RUCTIONS)	DEP	PTH - FEET
GENERAL COLOUR	MOST COMMON MATERIAL	OTHER I	MATERIALS		GENERAL	DESCRIPTION	FROM	10
Brown	sand	stores "	elsy				19	
Brann	sand	stores				ر	57	129
Brown	sund	Nocks * s	lones				129	152
they	elay	stores	1.t.	1			152	215
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					1 1 1 1	111		_
			& OPEN HOLE	RECORD	Z (SLOT N		65 1-33 DIAMETER 34-3	75 80 38 LENGTH 39-40
WATER FOUND AT - FEET	KIND OF WATER	INSIDE MATERIAL	WALL THICKNESS	DEPTH · FEET		AL AND TYPE		IS FEET
196 2	VERESH 3 SULPHUR	10-11 1 DSTEEL	12	6 10		- 27	OF SCREEK	96 FEET
15-18 1	5 1 043	2 3 CONCRETE 4 OPEN HOLI 5 PLASTIC	E (5 19	6 61	PLUGGING	& SEALING RE	CORD
20-23 1	0 GAS	17-18 1 □ STEEL 2 □ GALVANIZE 3 □ CONCRETE	19 [D	2	FROM	TALIT	TERIAL AND TYPE LEA	AD PACKER ETC)
25-28 1	G GAS	4 0 OPEN HOLI 5 0 PLASTIC	E	2	7-30 18-2	1 22-25		
2 30-33 1	□ SALTY 6 □ GAS □ FRESH 3 □ SULPHUR ³⁴ 4 □ MINEPALS	CONCRETE	E		26-2	9 30-33 80		
1	SALTY 6 GAS		OF PUMPING	<u>↓</u>				
71 1 D PUMP	AILER	16 GPN _/	15-16 17-11 HOURS MINS				OF WELL FROM ROA	AD AND
STATIC LEVEL	WATER LEVEL 25 END OF PUMPING WATER	LEVELS DURING	PUMPING		OT LINE INDI	CATE NORTH BY ARE	NOW.	
TES	21 23-24 IS MINUTE	S 30 MINUTES 45 MIN I-26 29-31	10 TES 60 MINULES 32-34 35-3 EEET FFF	30	\uparrow (9B. WE	the Ad	
IF FLOWING. GIVE RATE	ET / FEET I SB-61 PUNP INTAK	E SET AT WATER AT	END OF TEST					
RECONMENDED P	GPM PUMP TYPE RECOMMENT PUMP	FEET 1 C FED 43-45 RECOMMEN PUMPING	NDED 46-4					
0. SHALLO	W DEEP SETTING	FEET RATE	GPN				۶	OBAZ
FINAL	S4 1 D MATER SUPPLY	B ABANDONED.	INSUFFICIENT SUPPLY				•	08#1
STATUS	2 DOBSERVATION W	ELL	POOR QUALITY	8			٠	H3WELL
	55-56 1 DOMESTIC	s COMMERCIAL		1 m				
WATER	2 STOCK 3 IRRIGATION 4 INDUSTRIAL	MUNICIPAL PUBLIC SUPPLY COOLING OR AIR (CONDITIONING				0	
032		· 🛛	NOT USED			nH	W ^G	
METHOD	57 I CABLE TOOL 2 T ROTARY (CONVI	• BORI (NTIONAL) 7 DIAM	ING		#	41 '		7700
		SE) I DIET I DRIV N DIES	ING ING OTHER		FMARKS		3	((88
NAME OF WEL	L CONTRACTOR		WELL CONTRACTOR		50 C	ONTRACTOR 59-62		·····
Wilso ADDRESS	n's Water Well:	s Limited	5459		F INSPECTION	1NSPECTOR	NUV 16	000
EV R. R.	# 4 Stouffvil	lle, Ontario	LAA 7835		(5			
INA CE	Jadrock		0234	U U U U				
Ŭ SIGNATORE C	DE TECHNICIAN/CONTRACTO	DAY	MO YR	OF			<u> </u>	cs. 65
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Ontario	I. PRINT ONLY IN S	PACES PROVIDED	[1]]	19	1088	52	1,9,91,2		(91
	Z. CHECK 🛛 CORRE	CT BOX WHERE APPLICABLE	Y, TOWN, VILLAGE			CON	10 14 BLOCK TRACT SURVE	TS		OT 25-27
Durham		Uxbridge				co	<u>n. 1</u>	CONT. CONDI		13
OWNER (SURNAME FIR	28-47	ADDRESS			0-++	-			_ мо <u>08</u> _	y <u>R90</u>
<u>454790 01</u>	tario Ltd.	R.R.#2	<u>, Stourry</u>	<u>1116</u>	UNLAFI		BASIN CODE	<u>н</u> н		14
21				25 26		30				
e	LC	G OF OVERBURDE	N AND BEDR	оск м	ATERIAL	S (SEE)	NSTRUCTIONS		DEPTH	· FFET
GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MA	ATERIALS			GENER	AL DESCRIPTION		FROM	то
Brown	Ton soil								0	1
Drown							_		1	10
Brown		stones							10	33
Gray		stones							33	44
Gray	Gravel	SILLY							44	112
Gray	Silty Sand	stones							112	118
Gray	Gravel								118	182
Gray	Clay	stones, silt,	gravel						107	102
Gray	Sand stones								102	192
Gray	Gravel								192	197
		Finished dept	th 197 ft.	•						
31										
32							54			75 40
41 WA	TER RECORD	51 CASING 8	OPEN HOL	E RECC	RD		DT NO H	450	10	25
WATER FOUND AT - FEET	KIND OF WATER	INSIDE DIAN MATERIAL INCHES	WALL THICKNESS INCHES	FROM	TO		5 #25.14	#JU	DEPTH TO TOP OF SCREEN	11 11 10
10-13 1	$\begin{array}{c c} & & & & & \\ \hline & & & & \\ \hline & & & & \\ \hline & & & &$	10-11 1 STEEL	12		13-16	S	S.S.		1	66 FEET
1/0-195	UNTESTED ONS FRESH 3 DSULPHUR 4 DMINERALS	10 3 CONCRETE 4 COPEN HOLE	.250	+ 2	169 1	61	PLUGGIN	IG & SEAL	ING RECO	ORD
20-23 1	$\frac{1}{1} \frac{SALTY}{6} \frac{1}{10} \frac{GAS}{24}$	17-16 1 STEEL 2 GALVANITED	19		20-23	DEPTH	SET AT - FEET	MATERIAL AND	TYPE LEAD P	ENT GROUT ACKER. ETC >
2	4 MINERALS SALTY 6 GAS 29	3 CONCRETE 4 OPEN HOLE				35	5 30	Hole Plu	1g	
23-26 1	☐ FRESH 3 □SULPHUR 4 □ MINERALS □ SALTY 6 □ GAS	24-25 1 D STEEL 2 D GALVANIZED	26		27.30	30	18-21 22-25) 2	Neat cer	nent	
30-33 1	G FRESH 3 SULPHUR 34	O 3 CONCRETE 4 OPEN HOLE 5 DE ASTIC				2	6-29 30-33 60 2 1	Clay f	.11	
	ETHOD 10 PUNPING RAI	TE IN-14 DURATION O	F PUMPING					OF WEL		
71 1 K PUMP	2 D BAILER	535 GPM72_	15-16 17- HOURS MI	18 N5						AN D
STATIC	WATER LEVEL 25 END. OF WATER PUMPING	1 LEVELS DURING 2	PUMPING RECOVERY		IN DIA LOT LI	GRAMBE NE IN	IDICATE NORTH BY	ARROW.		1
EST	21 22-24 15 NINUTES	28 29-31 29-31	11ES 60 MINUTES	н						λ
69.30m	ET 118.FEET 1115	4 111 EEET 111.	FEET 111.FE	42						,
	COM CONT CONT	154 FEET ' ST CL	EAR 2 CLOUD	Y II		#20				
	PUNP TYPE RECOMMEND PUMP	ED 43-45 RECOMMEND	DED 46-	49	GTY	, 30				
50-53		154 FEET RATE	G	PM			- k mil			
	54 1 50 WATER SUPPLY	s 🗌 ABANDONED. II	NSUFFICIENT SUPPL	$\overline{}$			E Mind	,	A ,	
STATUS	2 OBSERVATION W	ELL 6 🗍 ABANDONED P 7 🗍 UNFINISHED	OOR QUALITY						300'	
OF WELL	. 4 🗌 RECHARGE WELL	DEWATERING							<u>k</u>	
MATER	2 DOMESTIC	5 COMMERCIAL 6 MUNICIPAL						μωy	#47	
USE	4 🖾 IRRIGATION		ONDITIONING							
	OTHER									
METHOD	CABLE TOOL	6 BORIN NTIONAL) 7 DIAMO						•*	~	7400
OF CONSTRUC	TION 4 K ROTARY (AIR)	SE)	NG NG	lls	ee Test	Well	#1, on Re	cord	8	(163
	5 AIR PERCUSSION		NG LI OTHER		ILLERS REMAR	ks			<u></u>	63-68 80
	LL CONTRACTOR	Drilling Itd	ICENCE NUMBER	ב <u>ן</u> [י	SOURCE	54	2662	NOV	3 0 199	
ADDRESS	IL A SONS WELL	NELLENG DEU			DATE OF INSPE	CTION	INSPECTOR			
Box 8	350, R.R.#1, Fei	nelon Falls, On	NTARIO		RENARKS					
Charl	ie Duggan		LICENCE NUMBER							
Ö SIGNATURE	OF TECHNICIAN/CONTRACTOR	SUBMISSION DAT	MOYP.	_ H					C	ss.GS
	a cho walke	UAT						F	ORM NO. 0506	6 (11/86) FORM 9

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Durban		TOWNSHIP, BOROUGH CI Uxbridge	TY, TOWN. VILLAGE (TW#	2)	con BLO	1			13
WHER (SURNAME FIR	ST) 28-47	ADDRESS	0	- Ontari			date compl	етер 4 мо <u>07</u>	и-53 ув. <u>90</u>
<u>454790 On</u>	zone EASTING		<u>, SCOULLVIII</u>	ELEVATION			<u> </u>		IV I
21		<u> </u>			30 31				4
		G OF OVERBURDE	N AND BEDROC		GENERAL C			DEPTH	FEET
SENERAL COLOUR	COMMON MATERIAL		ATERIALS					0	31
Brown	Clay	Stones & Bou.	Iders					31	44
Brown	Gravel	G b c c c c c c c c c c						44	84
Brown	Sand	Stones		Dry				84	160
Brown	Gravel			Water	Bearing	0		160	184
Brown	Gravel			Water	Bearin	g cloudy		184	194
Brown	Gravel			Water		8 01000		194	198
Gray	Clay stones			Water	Bearin	g		198	204
Gray	Gravel Silty	Stores		nator		9		204	224
Gray		Stones						224	225
ыгау		DLUIES							
			<u></u>						
31									
32									<u> </u>
41 WA	TER RECORD	51 CASING	& OPEN HOLE R	ECORD	SIZEIS) O ISLOT NO	OF OPENING	31-33 DIAME	IER 34-38	LENGTH 39-
ATER FOUND AT - FEET	KIND OF WATER	INSIDE DIAM MATERIAL INCHES	WALL DE THICKNESS FRO INCHES FRO	M TO		L AND TYPE		DEPTH TO TOP OF SCREEN	41-44
10-13 1 2	□ FRESH 3 □ SULPHUR □ SALTY 4 □ MINERALS □ SALTY 6 □ GAS	10-11 1 🗆 STEEL 2 🗆 GALVANIZED	12	13-16	<i>w</i>				FEET
15-18 1 Z	□ FRESH 3 □SULPHUR ¹⁹ 4 □ MINERALS 5 SALTY 6 □ GAS	3 L CONCRETE 4 DOPEN HOLE 5 D PLASTIC			61		G & SEAL		ORD
20-23 1	FRESH 3 SULPHUR 24	17-18 1 □ STEEL 2 □ GALVANIZED 3 □ CONCRETE	D		FROM	TO 14-17	MATERIAL AND	LEAD P	ACKER, ETC +
25-24 1	GAS	4 □ OPEN HOLE 5 □ PLASTIC	26	27-30	18-21	22-25		<u> </u>	
30-33 [°] 1	GALTY 6 GAS	1	D		26-29	30-33 80			
2	SALTY 6 GAS	5 DPLASTIC		<u> </u>					
71 PUMPING TEST M	2 BAILER	TE 11-14 DURATION C	15-16 17-18 HOURS MINS		L0	CATION C	OF WEL	L	
STATIC LEVEL	WATER LEVEL 25 END OF WATER PUMPING	1 LEVELS DURING 2	PUMPING RECOVERY	IN DIA LOT LI	GRAM BELOW NE INDIC	ATE NORTH BY A	S OF WELL RROW.	FROM ROAD	AND
EST	21 22-24 15 MINUTE	5 30 MINUTES 45 MINU -28 29-31	UTES 60 MINUTES 32-34 35-37		1			I	$\mathbf{\Lambda}$
	ET FEET F 38-41 PUMP INTAK	EET FEET E SET AT WATER AT	FEET FEET END OF TEST 42						-1
	GPM			1100 1 #	30				
C RECOMMENDED	PUNP TYPE RECOMMEND PUMP DW DEEP SETTING	ED 43-43 RECOMMEN PUMPING FEET RATE	GPN	p ^m	/	4mile >>	•		
50-53							1		1
FINAL	1 WATER SUPPLY 2 OBSERVATION W	S 🗌 ABANDONED. 1 Ell 🛭 🖡 🔲 ABANDONED F	NSUFFICIENT SUPPLY				360		
OF WELL	3 🕵 TEST HOLE 4 🗌 RECHARGE WELL	7 UNFINISHED Dewatering					\vee	# 117	•
	55-56 1 DOMESTIC 2 STOCK	S COMMERCIAL					Hwy	+ 41	
WATER USE	3 🔲 IRRIGATION 4 🔂 INDUSTRIAL	7 D PUBLIC SUPPLY							,
	0THER	,	NOT USED						
METHOD	CABLE TOOL	G BORI ENTIONALI 7 DIAM	NG OND			مر میں اور ا	nan ing kapanan Pang		
CONSTRUC	TION 4 DA ROTARY (REVER	SE) • U JETTI 9 DRIVI N DIGG		DRILLERS REMARK	۲S			ð	112.
NANE OF WE			WELL CONTRACTOR'S		58 CO	NTRACTOR	DATE RECEIVE	° 0 0 101	63 64 02
G. Hai	t & Sons Well	Drilling Ltd.	2662	Z DATE OF INSPE	CTION		JUL	<u>U 15 19</u>	32.
Box 8	50, R.R.#1, Fen	elon Falls, On	ntario	ISE			<u>.</u>	·	
Z (Thomas	A DIAGAN		WELL TECHNICIAN'S LICENCE NUMBER						-
	OF TECHNICIAN/CONTRACTOR	R SUBMISSION DA	ATE .	OFFI		æ			· CC
NA	ate Max	DAY	NO YR				. <u> </u>		6 (11/86) EOF

Min of the	istry	•••	A/A	The O	ntario Water Resour		Pn
Ontario	ironment	•					
	1. PRINT ONLY IN 2. Check 🗵 Corr	SPACES PROVIDED ECT BOX WHERE APPLICABLE	11	1 5 ! 1 4			
COUNTY OR DISTRICT		TOWNSHIP, BOROUGH, CITY.	TOWN. VILLAGE		con.1		13
OWNER (SURNAME FI	RST) 28-47	ADDRESS		0-1		DATE COMPLETED	44-53 y _R 91
454790 Ont	zone EASTING	R.R.#2, S	toutiville RC.	CLEVATION	RC. BASIN CODE		IV
21 1 2				26	30 31		_
	L	DG OF OVERBURDEN	AND BEDROC	K MATERIA		DEPTH	· FEET
GENERAL COLOUR	COMMON MATERIAL	OTHER MATE			GENERAL DESCRIPTION	FROM	10 01
Brown	Clay	Stones & Bould	lers			0	31
Brown	Gravel					51	94
Brown	Sand	Stones					160
Brown	Gravel					160	100
Brown	Gravel			- N	ater bearing	100	104
Brown	Gravel					104	194
Gray	Clay Stones					109	200
Gray	Gravel Silty					198	<u></u>
		* Durdaration II					
		<u> * Production w</u>	<u>err</u> , , ,				
32				ليللبيا			
1 2 10 41 W/	ATER RECORD	51 CASING & C	OPEN HOLE R	ECORD	Z SIZE (S) OF OPENING (SLOT NO)	31-33 DIAMETER 34-38	LENGTH 39-40
WATER FOUND AT - FEET	KIND OF WATER	INSIDE DIAM MATERIAL INCHES	WALL D THICKNESS INCHES FRU	DEPTH FEET	MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN	43-44 JO
153	SALTY 4 DININERALS	10-11 1 STEEL 12 2 GALVANIZED		33-16	<u>هs.s.</u>	1	53 🚥
15-18 1 200 2	FRESH 3 USULPHUR 19	20 3 CONCRETE 4 OPEN HOLE 5 PLASTIC	.250 +	1 152	61 PLUGGIN	NG & SEALING REC	
200 4 4	FRESH 3 SULPHUR 24	17-18 1 XSTEEL 15 2 GALVANIZED 3 CONCRETE		20-23	FROM 10	MATERIAL AND TYPE LEAD I	PACKER. ETC)
25-26 1	FRESH 3 USULPHUR 29	12 4 OPEN HOLE 5 DPLASTIC	.250 +	2 152	0 ¹⁰⁻¹¹ 150 C	ement Grout	
30-33	G SALTY 6 GAS	2 □ GALVANIZED 3 □ CONCRETE			26-29 30-33 80		
2	SALTY 6 GAS	4 DOPEN HOLE 5 DPLASTIC					
71 PUNPING TEST	METHOD 10 PUMPING RA	TE 11-14 DURATION OF PI	JMPING 16 17-18 100 MINS		LOCATION	OF WELL	
STATIC	WATER LEVEL 25 END OF WATER	LEVELS DURING		IN DI LOT	AGRAM BELOW SHOW DISTANC	CES OF WELL FROM ROAD ARROW.	AN D
", "	-21 22-24 15 NINUTE	S 30 MINUTES 45 MINUTES	60 MINUTES			NI	
69.30 r	EET 134.48 131.4	EET 131. FEET 132. F	DF TEST 42				
	GPN	141. 30 1 X CLEAR	2 CLOUDY			1	
	OW DEEP SETTING	A3-45 RECOMMENDED 141. FEET RATE	ас.49 722 срм				
50-53					1 14 mile	•	
FINAL	1 WATER SUPPLY 2 DOBSERVATION W	S 🗌 ABANDONED, INSU ELL 🛛 🔓 ABANDONED POOF	FFICIENT SUPPLY QUALITY		(d.	Maral	
OF WEL	S TEST HOLE C RECHARGE WELL	7 UNFINISHED			30	360	
	55-56 1 DOMESTIC 2 STOCK	S COMMERCIAL				V	
USE USE	IRRIGATION	7 D PUBLIC SUPPLY COOLING OR AIR COND	ITIONING			un tun	
	0 OTHER	9 LI NO	- USED			HWI - 4 /	
METHO	D 2 CABLE TOOL 2 CABLE TOOL 2 CONVERSION	BORING INTIONAL) 7 DIAMOND SE) ETTING		***	1	E 10	
CONSTRUC			OTHER	DRILLERS REMA	.1 K ecor a#8/121 1 ^{RKS}	11	.6920
NAME OF WE	LL CONTRACTOR	WEL	L CONTRACTOR'S		50 CONTRACTOR O IN	SZ DATE RECEIVED	63-54 8
G G. Har	rt & Sons Well I	Drilling Ltd.	2662	DATE OF INS		JUL 0 6 19	92
Box#85	50, R.R.#1, Fem	ton Falls, Outa	rio				
L NAME OF V	Johnston		.L TECHNICIAN'S ENCE NUMBER 0275				
	OF TECHNICIAN/CONTRACTOR	SUBMISSION DATE	VD	OFF		~~	2.5.5
	TRY OF THE ENVIR		18/			FORM NO. 0506	6 (11/86) FORM

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DURBAN FEDION UKREIDGE THP. CON.1 Product Strategy (K130) Product Str	COUNTY OR DISTRICT	2. CHECK 🗵 CORR	ECT BOX WHERE APPLICABLE	CON BLOCK, TRACT, SURVEY ETC		22 23 24 LOT 25-27
787306 ONT. LTD. R.R.R.B. SHORD PULLING R.R.R.R.B. SHORD PULLING R.R.R.R.B. SHORD PULLING R.R.R.R.R.B. SHORD PULLING R.R.R.R.R.R.B. SHORD PULLING R.R.R.R.R.R.R.R.R.R.B. SHORD PULLING R.R.R.R.R.R.R.R.R.R.R.R.R.R.R.R.R.R.R.	DURH	IAM REGION	UXBRIDGE TWP.	CON.1 3889 Rec Pol 30 DATE O	OMPLETED	PT.15
7.1 1.00 0.01	787	7308 ONT. LTE). R .R.#3 ST(<u>15 мо 2</u>	2 <u>v</u> ⊮9.3_
UDG OF OURBURDEN AND BEDROCK WATERLAS .set enterentions. STATULES OF ENTERALS .set enterentions. STATULES OF ENTERALS .set enterentions. STATULES OF ENTERALS .set enterentions. BROWN SAND SALE BLOKE BLOKED 23 BROWN SAND CLAY PACKED 28 S5 BROWN SAND CLAY PACKED 28 S5 S8 BROWN SAND CLAY PACKED 28 S8 97 110 BROWN SAND CLAY PACKED 28 B8 97 110 BROWN SAND CLAY PACKED 2007 BROWN SAND CLAY<	21		4.6.0 448755553 L			
Setter (Setter		LC	OG OF OVERBURDEN AND BEDRO	CK MATERIALS (SEE INSTRUCTIONS)	DEPTH	H · FEET
BROWN CLAY SAND SOFT 0 23 BROWN SAND LOOSE 23 28 BROWN SAND LOOSE 88 97 BROWN SAND CLAY PACKED 28 55 BROWN SAND CLAY PACKED 28 97 BROWN SAND CLAY 97 110 118 BROWN SAND CLAY 97 110 118 STATUS CANCE RECORD STATUS STATUS 915 31 10-112 CANCE RECORD STATUS STATUS 915 31 10-112 CANCE RECORD STATUS 116 92 115 110-112 CANCE RECORD STATUS 118 92 115 10	GENERAL COLOUR	COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	FROM	TO
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BROWN SAND CLAI INCODE 10	DROWN	SAND		PACKED	28	55
BROWN CRNVEL LOOSE 88 97 BROWN SAND CLAY 97 110 STAIN STAIN STAIN STAIN STAIN STAINLESS STEEL BROWN SAND STAINLESS STEEL	BROWN	SAND	CLAI	LOOSE-FINE	55	88
BROWN SAND CLAY 97 110 BROWN SAND CLAY MEDLOOSE 110 118 BROWN SAND DOLO CD2 CO/1 III III III 33 Latitude of the second of th	BROWN	GRAVEL		LOOSE	88	97
BROWN SAND MED. LOOSE 110 118 BROWN SAND C/O CD2 O// 110 118 33	BROWN	SAND	CLAY		97	110
31 31 <td< td=""><td>BROWN</td><td>SAND</td><td></td><td>MEDLOOSE</td><td>110</td><td>118</td></td<>	BROWN	SAND		MEDLOOSE	110	118
31 Under the formation of the second sec						
31 32 34 35 36 37 38 38 39 31 32 33 34 35 36 37 38 38 39 31 32 33 34 35 36 36 37 38 39 39 39 310 3110 32 32 33 34 35 36 36 37 38 39 39 310 3110 320 321 321 322 323 344 345 345						
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	32 1 2 10					
	41 WA	TER RECORD	51 CASING & OPEN HOLE R	ECORD	AMETER 34-38	LENGTH 39-40 3 FEET
	AT - FEET	KIND OF WATER	DIAM MATERIAL THICKNESS INCHES FRO		DEPTH TO TOP OF SCREEN	41-44 30 915
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FINAL ** : & WATER SUPPLY : : ABANDONED. INSUFFICIENT SUPPLY OF WELL : ORSERVATION WELL : : : : ABANDONED. POOR GUALITY OF WELL : : : : : : : : : : : : : : : : : : :	SO-S3					
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CONSTRUCTION • □ ROTARY (AIR) • □ DRIVING □ DIGGING □ OTHER • □ DRIVING □ DIGGING □ OTHER □ DIGGING □ DIGGING □ DIGGING □ DIGGING □ DIGGING □ DIGGING □ DIGGING □ DIGGING	METHOD OF	1 CABLE TOOL 2 M ROTARY (CONVEN 3 TROTARY (REVEDSE	6 D BORING TIONALI 7 DIAMOND 5) 0 DIATTING		<u>71 </u>	
NAME OF WELL CONTRACTOR E.S. WELL DRILLING ADDRESS GOODWOOD ONT. NAME OF WELL TECHNICIAN EARL SAUDER SIGNATURE OF TECHNICIAN/CONTRACTOR SIGNATURE OF TECHNICIAN/CONTRACTOR SIGNATURE OF TECHNICIAN/CONTRACTOR SUBMISSION DATE DAY 16. NO. 2 YR 27 CONTRACTOR CONTRACTOR CONTRACTOR SUBMISSION DATE DAY 16. NO. 2 YR 27 CONTRACTOR SUBMISSION DATE DAY 16. NO. 2 YR 27 CONTRACTOR SUBMISSION DATE CONTRACTOR SUBMISSION DATE CONTRACTOR SUBMISSION DATE CONTRACTOR SUBMISSION DATE DAY 16. NO. 2 YR 27 CONTRACTOR SUBMISSION DATE CONTRACTOR SUBMISSION DATE CONTRACTOR SUBMISSION DATE CONTRACTOR SUBMISSION DATE DAY 16. NO. 2 YR 27 CONTRACTOR SUBMISSION DATE CONTRACTOR SUBMISSION DATE SUBMISSION DATE CONTRACTOR SUBMISSION DATE SUBMISSION DA	CONSTRUCT			DRILLERS REMARKS	12	1708
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EARL SAUDER T-0016 signature of technician/contractor submission date Day	NAME OF WEL	GUODWOOD O	WELL TECHNICIAN'S	REMARKS	<u>.</u>	
Carl Source DAY 16 NO 2 YR 93 0	SIGNATURE OF	EARL SAUDER	SUBMISSION DATE			
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Mini	istry			The	Ontario	o Water Reso	urces Act		
Ontario Envi	ironment		WAT	ΓER	W	ELL	RE	CO	RD
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30-33 2 2] FRESH 3 □SULPHUR 3480 4 □MINERALS] SALTY 6 □GAS	3 CONCRETE 4 OPEN HOLE 5 PLASTIC				26-29 30-33	10		
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CL SHALLOW	DEEP SETTING	7.5 FEET RATE	4 брм			Dr		7	
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51	S-SE : DOMESTIC	S COMMERCIAL					7**		~
WATER USE	3 IRRIGATION 4 INDUSTRIAL	7 D PUBLIC SUPPLY COOLING OR AIR COND	DITIONING		/	(1)			
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Ontario Env		SPACES PROVIDED			191	22	3 9				
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	L	OG OF OVERBURDEN	AND BEDR	100	ск ма	TERIA	LS (SEE IN	ISTRUCTIONS			
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BROWN	CLAY									0	15
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WATER FOUND AT - FEET	KIND OF WATER	INSIDE DIAM MATERIAL	WALL	D	EPTH - FE	ET		TH RIAL AND TYPE	12	DEPTH TO TOP	41-44 30
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15-18 1	FRESH 3 DSULPHUR 4 DMINERALS	61 2 GALVANIZED 3 CONCRETE 4 OPEN HOLE	.188	0		107	61	PLUG	GING & S	EALING RECO	RD
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2 (25-28 1	$\Box SALTY = 6 \Box GAS$	D 3 CONCRETE 4 COPEN HOLE 5 DPLASTIC	.188	10	57	115	10-	-13 14 - 17			
30-33	4 I MINERALS	24-25 1 STEEL 2 GALVANIZED 3 CONCRETE				27-30	18-	-21 22-25			
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	ETHOD AIR 10 PUNPING RAT	E 11-14 DURATION OF PU 1 IS-11	MPING 30 17-1				L	OCATIO	NOFW	ELL	
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1 S 3 3	PUMPING 1 22-24 15 MINUTES 117 26-3	30 MINUTES 45 MINUTES 20-31 32-	60 MINUTES								_
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	GPM 117	FEET 1 DCLEAR	I CLOUDY								
C RECOMMENDED P	WIND TYPE RECOMMENDE PUMP SETTING 80	D 43-45 RECOMMENDED D-100 FEET RATE O-	-15 **	M					444	Hf +++++	
50-53								++++(1 mi	
FINAL	1 X WATER SUPPLY 2 OBSERVATION WE	S ABANDONED, INSUF	FICIENT SUPPLY QUALITY			个				1 /42	
OF WELL	3 🗌 TEST HOLE 4 🗌 RECHARGE WELL	7 UNFINISHED DEWATERING				N					
WATER	33-36 I X DOMESTIC 2 STOCK	S COMMERCIAL				N					
USE	4 INDUSTRIAL	COOLING OR AIR CONDI COOLING OR AIR CONDI NOT	TIONING			· .					
	57 CABLE TOOL	•	-	_				1 4 1		L	
METHOD OF	2 X ROTARY (CONVEN 3 ROTARY (REVERS	E) 7 DIAMOND				ω	,É ^{ll} Q€	-1/0	→		
CONSTRUCT	ION 4 D ROTARY (AIR) 3 D AIR PERCUSSION	9 DRIVING			DRILLEI	RS REMAR	KS		11	14	<u>4668</u>
NAME OF WELL	L CONTRACTOR	WELL	CONTRACTOR	5		A RCE	58 C	ON TAACETOR 2	SS-62 DATE REC		63-68 80
	S. WELL DRILL	JING	4738	-		E OF INSPI	ECTION	H 6 U		<u>eu i o 133</u>	T
NAME OF WE	GOODWOOD ON	WELL	TECHNICIAN	5		ARKS					
EAR			0016		FICE						
- Car	Faulter	DAY NO	10 yr 79	1	OFI					<u> </u>	
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Ministry of Environme and Energ	f ent ly			The Ontario Water F WATER WEL	<i>lesourc</i> L REC	es Act ORD
Mark correct box	es provided. with a checkmark, where applicable	11	19126	00 Municipality Cor 19012 10 10 11 15	n. D _I N _{I_I}	
County or District	<u>,</u>	Township/Borough/City/	Town/Village	Con block tract surve	ey, etc. Lot	25-27 5
		Address		r(dge) CON.I		
				completed	26 7	95 onth year
21	I LI	Northing		tion RC Basin Code ii		
1 2	LOG OF	OVERBURDEN AND BED	ROCK MATERIALS (see instructions)		4/
General colour	Most common material	Other materials		General description	De From	oth – 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						
32				54 65	31-38 1 engr	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
41 WAI Water found	ER RECORD 51 Inside diam	CASING & OPEN HOL Wall Material thickness	Depth - feet	Slot No.) #18 6	inches	} feet
45-62 ¹³ X	Fresh 3 Sulphur 14 inches	inches	From To 13-16	Material and type	Depth at top	of screen 30 41-44
15-18 1	Saity 6 Gas D 3 Fresh 3 2 3	Concrete .188	0 59			f ee t
2 🗆	Salty 4 / Minerals 5 6 Gas 17-18 1	,	20-23	61 PLUGGING & SEALI	Abandonm	D ent
20-23 1 2	Fresh 3 Gaiphai 24 A D Minerals Salty 6 Gas	□ Galvanized □ Concrete □ Open hole		Depth set at - feet From To Material and type (C	ement grout, be	entonite, etc.)
25-28 1	Fresh 3 Sulphur 29 Salty 4 Minerals	; ☐ Plastic	27-30	0 ¹⁰⁻¹³ 15 ¹⁴⁻¹⁷ BENTON	ITE	
30-33 I	Fresh 3 Cas	Galvanized		15 ¹⁸⁻²¹ 59 ²²⁻²⁵ DRILLIN	G CUTI	INGS
2 🗆						
71 Pumping test me	ethodAIR [®] Pumping rate 11-14 Bailer 20 GPM	Duration of pumping		LOCATION OF WELL		
Static level Wi	ater level 25 Water levels during 1	Pumping 2 Recovery	In diagram Indicate no	below show distances of well from ro rth by arrow.	ad and lot li	ine.
19 ¹⁹⁻²¹	61 22-24 15 minutes 30 minutes 61 28-28 61 ²⁹⁻³¹	45 minutes 60 minutes 61 32-34 61 35-37		Har	47	
F feet	feet feet feet feet	feet feet Water at end of test 42				
	GPM 61 feet	Clear Cloudy Becommended 46-49		14		
G Shallow	Deep pump setting	pump rate 0-20 GPM		511		
50-53				Xon		
1 Water supp 2 □ Observatio	ply 5 Abandoned, insufficient su mwell 6 Abandoned, poor quality	pply ۹ 🛛 Unfinished ۱۵ 🔲 Replacement well		a (6)		
3 □ Test hole 4 □ Recharge v	 7 Abandoned (Other) 8 Dewatering 		II N	4	J	<u>ک</u>
WATER USE	55-56		· ·	X Ell	0	
2 Dornestic 2 Stock	s 🗌 Commercial s 🗋 Municipal 7 🗍 Public supply	9 □ Not used 10 □ Other	, ¥	2 K 70'	\rightarrow	
4 🗌 Industrial	B Cooling & air conditioning		\#//			
METHOD OF CO			//	imo		
2 Gable tool 2 Rotary (co 3 Rotary (rev	onventional) ₆ Dispercussion everse) ₇ Diamond	10 Digging 11 D Other				2
a 🛛 Rotary (air	r) ₈ 🗌 Jetting			(/15	νάζυ	2
Name of Well Contra	actor	Well Contractor's Licence No	Data	58 Contractor _ 59-62 Date re	caived	63-68 80

Name of Well Contractor	Well Comfactor's Licence No.	
E.S. WELL DRILLING	4738	N
Address GOODWOOD ONT.		USE 0
Name of Well Technician	Well Technician's Licence No.	Σ
EARL SAUDER	T-0016	STF
Signature at Technisian/Oghtractor	Submission date 27 day mo yr	MIN

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Data source	58	Contracto	38	59-62	Date rece OCT	20	1995	80
Date of inspection	 ו		Inspector		1,			
Remarks	·· •							
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Ontario Ministry And Environm	of nent rgy	· · ·		The Ontario WATE	Water Resource R WELL REC	es Act
Print only in spa Mark correct bo	aces provided. x with a checkmark, where applicab		191295	Municipal	ity Con. 12 CON 14 15	22 23 24
County or Distric		Township/Borough/City	/Town/Village	Con block	tract survey, etc. Lo	25-27
		Address	wulge		Date 28	1~ 8 96
- 21		Northing	RC Elevatio	on RC Basin Code	completed day m	onth year
i						47
General colour	Most common material	Other materials		General description	De From	pth – feet To
Brown	clay			soft	0	27
Drey	sand			med	27	30
					·	
(34 ₅)						
31 32						
41 WA	TER RECORD 51	CASING & OPEN HOL Wall	E RECORD Depth - feet	Sizes of opening 31 (Slot No.)	-33 Diameter 34-38 Leng	75 80 h 39 40
at - feet	Fresh 3 Sulphur 14	Material thickness inches	From To	Material and type	C inches Depth at top	feet of screen 30 41-44 30
15-18 1	Fresh 3 Sulphur 19	2 Galvanized	O[27][2]		, 27	feet
20-23 1	Salty 6 Gas	1 Steel 19 2 Galvanized 19	20-23	61 PLUGGING	& SEALING RECOR	D ent
25 - 28 1	Salty 6 Gas	 Goncrete Open hole Plastic 		From To Materia	ai and type (Cement grout, be	ntonite, etc.)
30-33 1	Salty 4 Willerais 24-25 <th< td=""><td>1 Steel 26 2 Galvanized 3 3 Concrete 3</td><td>27-30</td><td>18-21 22-25</td><td>Noleplug</td><td></td></th<>	1 Steel 26 2 Galvanized 3 3 Concrete 3	27-30	18-21 22-25	Noleplug	
2 🗆] Saity ₄ ∐ Minerals 6 □ Gas	Open hole Second Plastic		26-29 30-33 80		
71 ; Pumping test m	ethod 10 Pumping rate 0 11-14 Bailer GPM	Duration of pumpings	In diagram ba	LOCATION OF V	VELL	
Static level	Mater levels during 1 Water levels during 1	Pumping 2 Recovery 45 minutes 60 minutes	Indicate north	by arrow.		ne.
S feet	$\frac{10}{\text{feet}} = \frac{5^{-26-28}}{5^{\text{feet}}} = \frac{10^{-29-31}}{5^{\text{feet}}}$	10 ³²⁻³⁴ 10 ³⁵⁻³⁷ feet feet		# 417 1	1/1	
L If flowing give ra	GPM Constant feet	Water at end of test 42 Clear Cloudy		, ,	7-141591	E
	Deep feet	pump rate 10 GPM	A		2.74475	N
	S OF WELL 54			1 48		
2 Observatio	pry 5 DAbandoned, insufficient si on well 6 Abandoned, poor quality 7 DAbandoned (Other)	uppiy 9 D Uninished 10 Replacement well	V.	F	980 EL	
	55-56		F		\backslash	
2 Domestic 2 Stock 3 Irrigation	s □ Commercial 6 □ Municipat 7 □ Public supply	9 □ Not used 10 □ Other				
₄ □ Industrial	3 Cooling & air conditioning			1115		000
METHOD OF Co able tool	ONSTRUCTION 57 5 C Air percussion priventional) 6 C Boring	9 🗆 Driving		2. C	Office ELEU	ATORS
₃ D Rotary (re ₄ D Rotary (air	verse) 7 Diamond r) ₈ D Jetting	11 Other	•	·7	16690 5	
	actor mis Water Wellat	Well Contractor's Licence No.	Jata 58 source	^{Contractor} 459 ⁵	SEP 1 1 1	996 ⁶³⁻⁶⁶ 80
Address	241 Hennedy	Rd	Date of inspection			'
Name of Well Techni	n Rennie	Well Technician's Licence No. TO 339	Remarks 3	***	t e + p.	·
Signature of Technic	an/Contractor, france	Submission date day mo yr	ÎNIW		CRS	. RES
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Print only in space	ent Jy ses provided.					WATER W	ELL RE	CO
Mark correct box	with a checkmark, wh	ere applicable.		1913	495	Municipality 19012	Con. CON	2
County or District	$\cap I$. 1	ownship/Borough/Cit	y/Towp/Village		Con block tract s	survey, etc. L	ot
			Address	Incolor	2	L Cor	~/	12
				2~	Con	comple	ted 25 /	nonth
21	1 M -		Northing	RC E	Elevation RC	Basin Code		1
		LOG OF OVER	BURDEN AND BE	DROCK MATERIAL	S (see instructi	ons)		
General colour	Most common mat	erial 1	Other materials	; 	General	description	D	epth -
Block	Top-Soil		A				0	1
Brown	Clay	50	nd + fto	res			ス	Z
Brown	Clay	Se	ndy				20	2
Brown	Sond & Gr	ovel	·				52	5
rom	Clay	San	1+ to	es			58	63
Grey	Clay	Sc	ĽĘ				65	9
Grig !	Silt		1				15	11
6 reg	Sond			- Es	re		114	11
6 reg	Silt		· • • • • • • • • • • • • • • • • • • •				118	
			· · · · · · · · · · · · · · · · · · ·	·				
<u> </u>								
31								
32		32		43	<u> </u>	65		<u> </u>
41 WATE Water found	Kind of water	51 CAS	ING & OPEN HOL Wall	E RECORD Depth - feet	Sizes of op (Slot No.)	ening 👫 33 Diamo	eter ³⁴⁻³⁸ Leng	th 7
10-13 1 2	Fresh 3 🗌 Sulphur 14		inches	From To	Material an	d type	Depth at top	5 of scree
15-18 1 1	Salty 4 G Winterals 6 Gas	2 Galva 3 Conc	rete /88	0115	. s	r.S.	115	- 41- fee
2 🗆 . 5	Salty 6 Gas				61	PLUGGING & SEA	LING RECOR	D
20.23 1 🗆 F 2 🗆 S	Fresh 3 🗌 Sulphur 24 A 🗌 Minerals Salty ₆ 🗌 Gas		nized rete	20-23	Depth set at - f	eet	Abandonm	ent
25-28 1 🗆 F	Fresh 3 🛛 Sulphur 29 Salty 4 🗆 Minerals	4 □ Open 5 □ Plast	nole c		From	To waterial and type		ntonite,
30~33 I □ F	6 □ Gas Fresh 3 □ Sulphur 34 60	24-25 1 U Steel 2 Galva 3 Conc	nized rete	27-30	18-21	22-23	-al	
2 🗆 S	Salty 4 🛛 Minerals 6 🗌 Gas	₄ ☐ Open ₅ ☐ Plasti	hole c		26 29	30-33 BQ		
Pumping test metr	od 10 Pumping rate Bailer	9 GPM Duration	5-16 15-16 Hours					
Static level wat	er level 25 of pumping Water levels	during 1 Pumping	2 Recovery	In diagra	m below show di	stances of well from	road and lot lj	ne.
G 6 0 19-21	22-24 15 minutes : 26-28	30 minutes 45 minute	60 minutes		ω ω τ		Rad	-
00 /0	00 1eet /00 ieet	100 feet 100	feet 100 feet		7/	·		
	GPM	feet de C	end of test 42 clear Cloudy		J		1	
If flowing give rate		43-45 Recomme pump rate	ended 46-49	1	ĩ	7		7_
If flowing give rate Recommended put Shallow	Deep Hecommended		-				IT	-
If flowing give rate Recommended put Shallow 50-53	Deep Hecommended			/			11	
Recommended put Shallow	Deep Hecommended pump setting F WELL 54 s Abandoned	, insufficient supply 9	Unfinished			-tt	H.	
Infilowing give rate Recommended put Shailow Recommended put So-53 INAL STATUS C I Water supply C Observation 1 Test hole Recharce we	Deep Hecommended pump setting pump setting for the pump setting for the pump setting for the pump setting for the pump setting setting for the pump setting setting for the pump setting setti	, insufficient supply 9 , poor quality 10 (Other)	Unfinished Replacement well		4		H.	
If flowing give rate Recommended put Shallow So-53 INAL STATUS C Q Water supply Observation Test hole Recharge we XATER LISE	The type The commended The pump setting	, insufficient supply 9 , poor quality 10 (Other)	GPM Unfinished Replacement well		4		TT.	
If flowing give rate Recommended put Shallow So-55 INAL STATUS C Water supply Observation Test hole Recharge we ATER USE Domestic 2 Stock	The type Tecommended Pump setting Teep To FWELL 54 5 Commercial 6 S Commercial 6 Municipal	, insufficient supply 9 , poor quality 10 (Other)	GPM Unfinished Replacement well Not used Other		4		TT.	
If flowing give rate Recommended put Shallow So-ss INAL STATUS C Water supply Observation Test hole Recharge we ATER USE Stock Industrial	The type Hecommended pump setting Deep 54 S Abandoned G Abandoned T Abandoned T Abandoned S Commercial S Commercial G Hecommercial S Cooling & a	l, insufficient supply 9 [] , poor quality 10 [(Other) I 9 10 [] iy 10 [] ir conditioning	Vot used Other		4			
If flowing give rate Recommended put Shailow Shailow So-53 INAL STATUS C Water supply Observation 1 Test hole Recharge we ATER USE Domestic Domestic Shore Industrial IFTHOD_OF CON	Peep Hecommended pump setting pump setting pump setting pump setting s	<pre>/ feet /, insufficient supply 9 , poor quality 10 (Other) /</pre>	Unfinished Replacement well Not used Other		House			
If flowing give rate Recommended put Shallow So-53 INAL STATUS C Water supply Observation Test hole Recharge we ATER USE Stock Industrial Industrial ETHODOF CON Cable tool Recharg (conv.)	The type The commended The pump setting The pump settin	insufficient supply 9 , insufficient supply 9 , poor quality 10 (Other) 10 I 9 ir conditioning 10	GPM Unfinished Replacement well Not used Other Driving Digging	85 ->	HOUSE 200	,		
If flowing give rate Recommended put Shallow So-55 INAL STATUS C Water supply Observation Test hole Recharge we ATER USE Sock Irrigation Industrial Cable tool Rotary (rever Rotary (air)	The type The commended The pump setting The pump settin	teet , insufficient supply 9 , poor quality 10 (Other) 10 I 9 10 10 ir conditioning 10 10 11 11 11	GPM Unfinished Replacement well Not used Other Driving Digging Other	85 -> HYDOR Dur	House 200		7947	1
If flowing give rate Recommended pui Shallow Shal	Peep Peep Peep Peep Peep Peep Peep Pee	<pre> feet insufficient supply 9 poor quality 10 (Other) if conditioning if</pre>	GPM Unfinished Replacement well Not used Other Driving Digging Other Digging Other	85 -> HYDRO POLE	THOUSE 200		7947	1
If flowing give rate Recommended pui Shailow Shai	Peep Peep Peer Peer Peer Peer Peer Peer	insufficient supply 9 , poor quality 10 (Other) 10 in conditioning 10 10 10	GPM Unfinished Replacement well Not used Other Driving Digging Other Contractor's Licence No.	BS HYDRO POLE	FOUSE 200 38 Confector	59 ⁵⁹⁻⁶² Date	7947 IN 0 9 19	1 98
If flowing give rate Recommended put Shallow Recommended put So-53 INAL STATUS C C INAL STATUS C INAL STATU	The type The commended The pump setting The p	insufficient supply 9 , insufficient supply 9 , poor quality 10 (Other) 10 10	Y GPM Unfinished Replacement well Not used Other Driving Digging Other Other	HYDRC ACLE	FROUSE 200 58 Contractor	59 ⁵⁹⁻⁶² Date J	7947 Treceived N 0 9 19	1 98
ATER USE A Recommended pui Shallow 10-53 INAL STATUS C Water supply Cobservation 1 Test hole A Recharge we ATER USE Cobservation 2 A Recharge we ATER USE Cobservation 2 A Recharge we ATER USE Cobservation 2 Cobservation 2	The type Hecommended pump setting pump setting pump setting pump setting sett	insufficient supply 9 poor quality 10 (Other) 10 1 9 10	Unfinished Replacement well Not used Other Driving Digging Other Dintractor's Licence No.	BS HYDRO ADLE Data source Date of inspection Remarks	FROUSE 200 SP Consector 59 Consector 59 Consector 59 Consector 59 Consector 59 Consector 50	59^{59-62}	7947 received IN 0 9 19	1 53-64 98
If flowing give rate Recommended pui Shailow Recommended pui Shailow Recharge we Recharge	Peep Peep Peeommended pump setting Pump setting Pump setting S Abandoned S Abandoned C Ab	insufficient supply 9 poor quality 10 (Other) 10 in conditioning 10 10 11 10 10 11 10 10 10 11 10	GPM Unfinished Replacement well Not used Other Driving Digging Other Driving Digging Other Other Chnician's Licence No. Sion date	BS HYDRO POLE Source Date of inspection Remarks	FROUSE 200 Se Consector	59 59 Date J	27947 received IN 0 9 19	1 98 V

🕅 Ontario	Ministry of the Environment		n – Station Æ∳ ged	The	e Ontario Wate WATER W	r Resources Ac ELL RECORD
Print only in spaces provide Mark correct box with a che	ed. eckmark, where applica	able. 11	1914	668		
County or District	Dul	Township/Borough/Cit	y/Towo/Village		Con block tract sur	vey, etc. Lot 25-27
		Address	The law	1.	Date completed	9 8 00
21	TI JI	Northing		levation RC	Basin Code ii	∕day ⁴month year iii iv
1 2		PF OVERBURDEN AND BED	24 25 26 DROCK MATERIALS	(see instructio	31 ns)	47
General colour Mos	t common material	Other materials		General d	description	Depth - feet From To
Grown	lay			. 120		0 18
Dray "	//			Pro d	1	45 58
21	1(Solt		58 81
Brown	and		cor	use		81 88
	<u> </u>					
				40 5. 46 , 7		
41 WATER RECOR					Dening 31-33 Diamete	75 80 r 34-38 Length 39-40
Water found at - feet Kind of	water Inside diam inches	Material Wall thickness inches	Depth - feet From To	Material ar	16#14 6 nd type	inches feet Depth at top of screen 30
1 15-18	Minerals Gas	1 Galvanized 3 Concrete	0 82	S	SS	Sof feet
1 □ Fresh 4 0 2 □ Salty 6	Minerals Gas	4 Open hole 5 Plastic 1 Steel 19	20-23	61 P		G RECORD
20-23 1	Gas	2 Galvanized 3 Concrete 4 Open hole		Depth set at - From	feet To Material and type (i	Cement grout, bentonite, etc.)
25-28 1 □ Fresh 3 □ 2 □ Salty 6 □	Sulphur 29 Minerals 24-25 Gas 24-25	5 Plastic 1 Steel 2 Galvanized	27-30	18-21	1407 Balep	lug
³⁰⁻³³ ¹ □ Fresh ³ ² □ Salty ⁶	□ Sulphur ³⁴ ⁶⁰ □ Minerals □ Gas	3 Concrete 4 Open hole 5 Plastic		26-29	30-33 80	
71 Pumping test method ¹⁰	Pumping rate	14 Duration of purpping		LOC	ATION OF WELL	
Static level water level end of pumping	25 Water levels during	Image:	In diagr Indicate	am below show north by arrow.	distances of well from 1	road and lot line.
B 6 19-21 22:24	15 minutes 30 minutes 35 5 5 5	²¹ 45 minutes 32-34 60 minutes 35-37		- 50	/	
feet feet If flowing give rate 38-41	Pump intake set at	Water at end of test 42	- 1	, yu	< 425	\rightarrow \checkmark
Recommended pump type	Recommended 43	46-49		Q H >>		$\widehat{\Lambda}$
50-53	60 1	eet Q GPM	3	웃기		
FINAL STATUS OF WEL	L 54 ⁵ Abandoned, insufficien ⁶ Abandoned, poor quali	t supply ⁹ □ Unfinished ity ¹⁰ □ Replacement well		NO		8 KM
4 Recharge well	⁸ Dewatering	* .				
WATER USE 1 Definestic 2 Stock	55-56 5 Commercial 6 Municipal	9 □ Not use 10 □ Other				
3 🗋 Irrigation 4 🗌 Industrial	 Public supply Pooling & air conditioni 	ing	RETUR	SDA		V
METHOD OF CONSTRU		9 🗆 Onicia		as	LICRÍ	3 00
 ² Rotary (conventional) ³ Rotary (reverse) ⁴ Rotary (air) 	 All percession Boring Diamond Jetting 	10 Digging 11 Other			widt(221513
Name of Well Contractor	vater We	Well Contractor's Licence No	Data source Date of inspectio	58 Contractor 54 n In:	5962 Date re Spector	eived 63.68 80
13787 Hw Name of Well Technician	14 48 XX	Des Technician's Licence No	Remarks			
Signature of Technician/Contracto	nil,	Submission date				CSS.ES0
Peter a	Lilla	day mos yr OC				0506 (11/98) Front Form 9
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🕅 Ont	ario Ministry of the Environment			TI	he Ontario Wa WATER V	ter Resources Act VELL RECORD
Print only in space Mark correct boo	ces provided. with a checkmark, where application		19	15843		
County or District		Township/Borough/City	Town/Village		Con block tract	survey, etc. Lot 25-27
	nham .	Address	lge		Date	<u>10+11</u>
		Northing	R	C Elevation R	C Basin Code	ieted day month year
21			24 25			
	LOG (RIALS (see instruc	ctions)	Depth - feet
				Gene	rai description	From To
Plank	1 op sort	C A+C+				7 40
proun	Clay	Sand Ston	\$			4 18
6 Aug	<'AL	Surg				78 13
Gin	Silt+Seal+he	- l				1112 1511
Green	Class .	o ne		Salt		154 156
- Ber	m Sand			-201		156 158
Green	Class	Storus				150
7						
31						
						65 75 80
Water found	Kind of water	CASING & OPEN HOLE Wall Material thickness	Depth - fe	et Z (Slot 1	No.)	inches 5 feet
15-61	Fresh 3 Sulphur 14	s inches	From	To Mater	ial and type	Depth at top of screen 41-44
15-18 1 E	□ Santy 6 □ Gas	2 Galvanized 3 Concrete 4 Open hole	0 /	56	3,5.	56 feet
2 [3 Salty 6 Gas	5 Plastic 7 / 00 8 1 Steel 19 3 Caluarity 19 10		20-23	PLUGGING & SEA	Abandonment
2 [Salty 6 □ Gas	3 Concrete 4 Open hole		Depth se From	t at - feet To Material and t	/pe (Cement grout, bentonite, etc.)
25-28 1 [2 [☐ Fresh 3 □ Sulphur 29 4 □ Minerals 24-2 3 Salty 6 □ Gas	⁵ Plastic ²⁵ 1 Steel ²⁶ 2 Galvanized		27-30	2014-17 Benton	ite browt
30-33 1 [2 [☐ Fresh ³ ☐ Sulphur ³⁴ ⁶⁰ 4 ☐ Minerals	3 Concrete 4 Open hole		26-29	30-33 80	
			I		<u> </u>	
71 Pumping test in 1 Pump 2	Bailer Pumping rate	PM Uration of pumping 15-16 15-16 Mins		L Liagram below sh	OCATION OF WELL	rom road and lot line
Static level e	water levels during and of pumping 22-24 15 minutes 30 minutes	Pumping 2 □ Recovery s 45 minutes 60 minutes	İr	ndicate north by arr	ow.	2.1
F 940 int	20 fact 87 fact 127	9-31 32-34 35-37 feat 120 fact 126 fact		N		, Con
If flowing give r	ate 38-41 Pump intake set at	Water at end of test 42		1 ×	E 400	>
Recommended p	pump type Recommended 4	3-45 Recommended 46-49 pump rate		·		1
50-53	2 Deep /40	feet 15 GPM				/
	SOFWELL 54	nt supply 9 🗆 Linfinished				
² Observati ³ Test hole	on well 6 Abandoned, insuliced 7 Abandoned (Other)	lity ¹⁰ Replacement well				14.
1 Domestic 2 Stock	5 Commercial 6 Municipal	9 🔲 Not use				
3 🗆 Irrigation 4 🔲 Industrial	7 Dublic supply 8 Cooling & air condition	ning				
METHOD OF	CONSTRUCTION 57	*		111.11	Rd	V
¹ Cable too ² Aotary (co ³ Botary (co	I 5 ³ Air percussion prventional) 6 ⊡ Boring rverse) 7 ⊡ Diamond	⁹ □ Driving ¹⁰ □ Digging 11 □ Other		4/LbC	, ra	
4 🗌 Rotary (ai	r) ⁸ 🗌 Jetting				<	238365
Name of Well Contr	actor AA	Well Contractor's Licence No.	> Data	58 Contracto	ΆΕΩ ⁵⁹⁻⁶² Da	
Address 1	Nater Wells (+)	V 5459	Date of	inspection	Inspector	MAI U J LUUL
Kutt	onforth	Well Technisian's License No.		e		
- Constanting	1/	01-83		~		CSS.ES
Signature of Pseha	Cian Contractor	Submission date day 25 mo 4 vr 0 2	NIW			
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rint only in spaces lark correct box w	s provided. iith a checkmark, where	applicable.	1916758		Con. CON1 1 1 22 23 24
County or District	Λ	Township/Borough/City/	Town/Village	Con block tract su	rvey, etc. Lot 25-27
		Address of Well Location	\sim	Date	ed 14 10 03
21	Zo	Dine Easting Northing	RC Elevation	RC Basin Code ii	
2	M 10	LOG OF OVERBURDEN AND BED	ROCK MATERIALS (see instr	31 30 31 uctions)	47
General colour	Most common materia	al Other materials	Ge	neral description	Depth - feet From To
Boun	day 1	sandy			0 28
Voun De	sque				22 48
Koun b	elay f	sangy			48 51
Raun	sange	Amer			56 96
Key/	rlan	sand			96 133
Brown	sand	stones			133 /59
		- 1			
31		<u> </u>	<u> </u>		
32					
41 WATER	RECORD	51 CASING & OPEN HOLE	RECORD Sit	zes of opening 31-33 Diamo	eter 34-38 Length 39-40
at - feet	Kind of water	diam Material thickness inches	From To	aterial and type	Depth at top of screen 30
15-18 -	A □ Minerals Salty 6 □ Gas		0 146	22	176 feet
10-10 2 🗆 5	Fresh 4 I Minerals Salty 6 Gas	4 □ Open noie 5 □ Plastic 17-18 1 □ Steel 19	20-23 61	PLUGGING & SEAL	Abandonment
20-23 1 🗆 1 2 🗆 3	Fresh 3 □ Sulphur 24 4 □ Minerals Salty ₆ □ Gas	2 Galvanized 3 Concrete 4 Open hole	Depti From	h set at - feet n To Material and type	e (Cement grout, bentonite, etc.)
25-28 1 🗆 1 2 🗔 1	Fresh 3 🖸 Sulphur 29 4 🖸 Minerals Salty 6 🗆 Gas	5 □ Plastic	27-30	-13 537 Ben	torite
³⁰⁻³³ 1 🗌 2 🔲	Fresh 3 Sulphur 34 60 4 Minerals	2 Galvanized 3 Concrete 4 Open hole		-29 30-33 80	
Pumping test met	thod 10 Pumping rate	11-14 Duration of pumping			· · · · · · · · · · · · · · · · · · ·
71 1 Pump 2 D	Bailer 72 ter level 25	GPM Hours Mins	In diagram below	show distances of well from	m road and lot line.
	d of pumping water levels $1 \int 2^{2-24}$ 15 minutes	30 minutes 45 minutes 60 minutes		arrow. V 4 1	
SN feet	r J _{feet} 70.8 feet	Hold Hold Hold Hold Hold Hold Hold Hold			
If flowing give rate	GPM	feet Clear Cloudy			
Shallow	Pump setting	feet GPM			(1+ 1+ ++
50-53	OF WELL 54			TH ST.	
1 Water supply 2 Observation	y 5 Abandoned, well 6 Abandoned,	, insufficient supply 9 Unfinished , poor quality 10 Replacement well		RIGHT OF WAY	1
 ³ L Test hole 4 Recharge we 	 ▲ ▲ Abandoned ell 8 ^a □ Dewatering 	(Other)	$\parallel \mathcal{I}$	Ø	
WATER USE	55-56 5 🗆 Commercial	9 🗆 Not use]] / ,	<u>́</u> л	2nd n
2 □ Stock 3 □ Irrigation 4 □ Industrial	6 🗆 Municipal 7 📑 Public suppl 8 🗖 Cooling & a	10 Ll Qther ly ir conditioning		d'an	1 Son
METHOD OF CO			41 .	Ψ / ¶	
¹ Cable tool ² Rotary (con	5	ion 9 Driving 10 Digging			
3 ∐ Rotary (reve 4 □ Rotary (air)	erse) / L Diamond 8 D Jetting	··· 🗋 Other		· · · ·	264185
Name of Well Contrac	alta	Well Contractor's Licence No	Data 58 Contr	actor 59-62 Date	e received 63-68 80
Address -	T Males 1	100 5751	Date of inspection	Inspector	
	In MAX	Well Technician's Licence No	Remarks		
	Sant appContractor	O234 Submission date			099-833
		day mo yr			

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Ministry of the Environment Well Tag Number (Place sticker and print number below)

Well Record **Regulation 903 Ontario Water Resources Act**

Ministry Use Only

page of

- Instructions for Completing Form

04940

- 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

Address of Well Location (County/District/Municipality) Township Lot Concession RR#/Street Number/Name City/Town/Village Site/Compartment/Block/Tract etc. GPS Reading Unit Make/Model NAD Zone Mode of Operation: Undifferentiated Averaged Differentiated, sp 8:3 Log of Overburden and Bedrock Materials (see instructions) General Colour Depth From Most common material Other Materials General Description Metres То

Hole Diameter	Cons	struction Reco	rd		Tes	t of Well Yield		
Depth Metres Diameter	Inside	Wall	Depth	Metres	Pumping test method	Draw Down	R	ecovery
From To Centimetres	diam Material	thickness				Time Water Leve	Time	Water Level
	centimetres	centimetres	From	То	Pump intake set at -	min Metres	min	Metres
	1	Casing			(metres)	Level		
	15 Po Steel Fibreglass	100	\cap	1-1	Pumping rate -	1	1	
		.632cm	Om	61.6m	(intres/min)			
Water Record	Galvanized				bro + min	2	2	
at Metres Kind of Water	Steel Fibreglass				Einal water level end			
m Fresh Sulphur	Plastic Concrete				of pumping	3	3	
Other:	Galvanized				Recommended pump	4	4	
m Fresh Sulphur	Steel Fibreglass				type.			
Gas Salty Minerals	Plastic Concrete				Recommended pump	5	5	
Other:	Galvanized				depthmetres			
m Fresh Sulphur		Screen			Recommended pump	10	10	
Gas Salty Minerals	Outside Steel Fibreglass	Slot No.			(litres/min)	15	15	
					If flowing give rate -	20	20	
After test of well yield, water was	Galvanized				(litres/min)	25	25	
		Casime as Para			ued, give reason.	30	30	
	NOC	asing or Scree	en			40	40	
Chlorinated 🔄 Yes 🗌 No	Open hole					60	60	
Plugging and So		r space	ndonmont	J	L	<u> </u>		
Depth set at - Metres Material and the		Noto Volume	Placed	In diagram below	show distances of well fr	rom road lot line	and bui	dina
From To Material and typ	se (bentonite sidiny, heat certient sidiny	(cubic	metres)	Indicate north by	arrow.			ug.
O lob 4 DENSEAL					IN.			
100.4 67.6m SAND					A			
				m As a				
				27°"	, ,			
				<u> </u>				
	Athed of Construction				n			
Cable Tool Rotary (Digging	Ē	A1			
Rotary (conventional) Air percentional	cussion Jetting		Other	No.				
Rotary (reverse) Boring				B	CONTINGTON RO	ſ <u>.</u>		
	Water Use					-		
Domestic Industria	al Dublic Supp	bly 🗌 (Other					
	al Cooling & a	ir conditioning		Audit No.		e Well, Completed		
	Final Status of Well		`		U5U65	Ż	64 1	52 Z6
Water Supply Recharge we	ell Unfinished	Abandon	ed, (Other)	Was the well ow	ner's information Dat	e Delivered Y	YYY	MM DD
Observation well Abandoned,	insufficient supply Dewatering	л. 		package delivered	1? Yes No			
L Test Hole Abandoned,	poor quality Replacement	nt well		[Ministry Us	e Only		
Name of Well Contractor		ell Contractor's Lic	ence No.	Data Source	Cor	ntracto	-	
WILSON'S WATER	WELLS	5459				- 54	59	
Business Address (street name, numb	er, city etc.)			Date Received	YYYY MM DD Dat	e of Inspection Y	YYY	MM DD
13 181 HWY 48	STOUFFVILLE LAM	113		MAY 2	6 2004		<u> </u>	
ARMSTR Law	(Suname) W	T C 74S	cence No.	Remarks	We	Il Record Number		
Signature of Technician/Contractor	Dat	te Submitted	MM DO	(CSS.ES5	1047		
x Scal Ulmolin		2004	02 26			1917	001	5
0506E (09/03)	Contractor's Copy 🔲 M	inistry's Copy] Well Own	er's Copy 🗌	Cette fo	ormule est dispo	nible e	n français

	()	ntario	Ministry of the Environment	Well Tag Number (Pla	ce sticker and pr	int number below)	Regula	ation 903 Ont	Well R ario Water Reso	ecord
	 Instruction For use All Sec Question All met 	ns for Comple in the Próvinc tions must be ons regarding o tre measurem	eting Form ce of Ontario only. This completed in full to avoid ompleting this applicatio ents shall be reported	document is a pern d delays in processi on can be directed to to 1/10 th of a metre	nanent lega ng. Further o the Water	al document. P instructions and Well Manager	lease retain d explanation ment Coordir	for future ref s are available nator at 416-	page _ erence. e on the back of 235-6203.	of this form.
•	Please Well Owne First Name	print clearly in er's Informatio	blue or black ink only. on and Location of W Last Name	fell Information	MUN /	9 0 / 2 Co ss (Street Numbe	Min ON () er/Name, RR,I	Lot,Concessic	y)/LOT pn)	13
•	County/Distri	ct/Municigality	ntv/Øistrict/Municipality)	City/Town/Village		rovince Posta Dntario	al Code	Telephone	e Number (includ	e area code)
	RR#/Street N	umber/Name	Ind Par	k	City/Town/V	illage	Sit	e/Compartmen	nt/Block/Tract et	,
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O M	Roum Roum	sand Lay		Materials My Ma		Genera	I Description	ł	From 30 56	Jo Jo Jo Jo Jo Jo Jo Jo Jo Jo Jo Jo Jo J
CBB B	roun	saile elan sand	sto	nes Y					92 161 189	189
	Hole	Diameter	·	Construction Rec	ord	· ·		Test of V	Vell Yield	
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	Water Water found at Metres	er Record Kind of Water	Image: Application of the sector of the s	Fibreglass	0	212	Pumping rate (litres/min) Duration of pu hrs + Final water le	- 1 umping 2 min wel end 3	2	
	Gas	Fresh Sulphu Salty Minera Fresh Sulphu Fresh Nulphu Salty Minera	rr Plastic C	Concrete			of pumping Recommende type. Shallow Recommende depth.	metres ed pump4 vDeep ed pump5	4	
	Gas After test of we	I Fresh Sulphu Salty Minera	Is diam	Screen ibreglass Slot No.	212	222	Recommender rate. (litres/m If flowing give (litres/m	metres ad pump 10 inin) 15 a rate - 20 inin) 25 contin	10 15 20 25	
	Chlorinated	ify Yes 🔲 No	Open hole	No Casing or Scre	en		ued, give reas	on. 30 40 50 60	30 40 50 60	
	Depth set at - N From	Plugging and etres To 05 Bu	Sealing Record	Annular space At nent slurry) etc. Volum (cubic	andonment e Placed metres)	In diagram below Indicate north by	Lo y show distances arrow.	cation of We	ll Id, lot line, and bui	lding.
			Method of Constructio	n amond	Diaging	Ducha 30	m	Ø	B	
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	Stock Irrigation Water Suppl Observation	y Recharge	mercial V No cipal Co Final Status of Well well Un ed, insufficient supply De	ot used	ned, (Other)	Audit No. Z Was the well ow package delivered	0503	5 Date Well Date Deliv	Completed O'() ered YYYY	
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	Namu of Weld Signature of Te X 0506E (09/03)	connician (lastinami hinician Contractor	e, πrst name)	Date Submitted	MM DD OS 177	Remarks		Cette formule	rd Number	en français

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Please	e print or's in	formation	and Loc	ation of	Nell Inf	ormation			70120				LOT	16
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			centimetres			centimetre	es	From	То	Pump intake set at -	min Static		min	Metres
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at Metres	Fresh	Sulphur		Steel	Fibreglass . Concrete					Final water leve	el end	3	3	
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		Municipal			Cooling & air	r condit	ioning	1	Audit No. 7	23484	Date	Well Comple	ied	
U Water Sup	ply 🗌 Re	r charge well	mai Stati		Jnfinished		Abando	ned, (Other)	Was the well ov	wner's information	Date	Delivered		
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Questio	ns regarding co	mpleting th	is application can	be directed to t	the Water \	Vell Managen	nent Coordinator a	valiable of t 416-23	1 the bac 5-6203.	K OT THIS TO
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S /	47 Ya						Pump intake set at -	Static	2.2	
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viness Addre 328	echnigan (last name	first name)		Vell Technician's Lic	cence No.	Remarks		Vell Record	Number	
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Well Owner's Informatio	n and Location of	Well Information			LOT	
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GPS Reading NAD Z	York/ Uur Kar Easting I/// Ag / QI	Northing	Unit Make/Model Mod	le of Operation: 🔲 Undifferentiate	d Average	ed
Log of Overburden and E	edrock Materials (see instructions)		Differentiated,	specify	
General Colour Most commo	n material	Other Materials	Gener	al Description	Depth From	Metres To
Bronn Till	silt,s	and	dry and very	compact	0	0.61
Brown Sand	L_		fine grained	, dry + loose	0.6/	1.52
Brown Clay, Sil	E	1	damp and a	ompact	2.25	3.35
Brunn Sand	grav	el sitt	medium to c	oarse grained.	7.62	22.56
Brown Silt	5		dry and low	ose	22.56	34.75
Brown Sand			very fine gro	amed, wet + compact	34.75	38.10
Hole Diameter		Construction Rec	ord	Test of Wel	l Yield	
Depth Metres Diameter	Inside diam Mate	Wall thickness	Depth Metres	Pumping test method Draw	Down Reco	overy
0 38.10 25	centimetres	centimetres	From To	Pump intoko oot ot	Vetres min	Metres
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		Fibreglass Concrete	0 2262	(litres/min)	1	
Water Record	Galvanize	ed •	· · · · · · · · · · · · · · · · · · ·	Duration of pumping 2	2	
IS2 m KFresh Sulphur		Concrete		Final water level end 3	3	
Gas Salty Minerals	Galvanize			Recommended pump 4	4	
B4.5 m P Fresh Sulphur		Concrete		Shallow Deep		
	Galvanize	d		depthmetres	5	
Gas Salty Minerals	Outside Steel	Fibreglass Slot No		rate. (litres/min) 15	10	
After test of well yield, water was	diam Plastic	Concrete	33.53 38.10	If flowing give rate - 20 (litres/min) 25	20	
Clear and sediment free	Galvanize			If pumping discontin- ued, give reason.	30	
		No Casing or Scr	een	40 50	40	
				60	60	
Depth set at - Metres Material and ty	ealing Record	Annular space Annular space Annular space	pandonment ne Placed In diagram belo	Location of Well w show distances of well from road.	lot line, and buildir	na.
0 31.08 Benon	te	(cubic	c metres) Indicate north b	y arrow. Bloomington Rd.		<u>×</u> ,
31.08 38.10 Sand			a loth	wion		Holart
			- I lonc			120 1
				- CAND	500'	0-zrdvel
	Method of Constructi	on		STATE SHARE	- 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999	6467 20
Cable Tool Rotary	(air) 🗌 C cussion 📃 J	Diamond Etting	Digging Rhar Mai	in Building		40.
Rotary (reverse) Boring	Water Use	Driving				
		ublic Supply	Other Entrance	e shap		
		Cooling & air conditioning	Audit No. 7	20277 Date Well Con	mpleted	<u>م</u> ۸
Water Supply Recharge w	ell	Infinished Abando	ned, (Other) Was the well ov	Vner's information Date Delivered		8 06 1 DD
Observation well Abandoned Test Hole Abandoned	insufficient supply	ewatering	package delivere	ed? Yes No.		
Well Cor Name of Well Contractor -	tractor/Technician Ir	Well Contractor's	icence No. Data Source	Ministry Use Only Contrador <	00	
All-Terrain Drill	ing Utd.	1129			. 29	
3-661 Colby Dr.	Water lov, ON	J NZV ICZ		6 2005	NON YYYY MM	
Girard Troy, P	bilice, Miche	Well Technician's L	icence No. Remarks	Well Record N	lumber	
Signature of Technician/Contráctor	• · · · ·	Date Submitted				e d
0506E (09/03)	Contractor's Co	py 🔲 Ministry's Copy	Well Owner's Copy	Cette formule es	t disponible en	français



🗑 Ontario	Ministry of the Environment	Well Tag Number	A 03:	2892	Regulat	on 903 Ontario	Well Ro Water Reso	e cord urces Act
Instructions for Complet	ing Form	A 03	289	2.	1 		page _	of
 For use in the Province All Sections must be co Questions regarding coi All metre measurement Please print clearly in bl Well Owner's Information 	of Ontario only. This impleted in full to avo mpleting this applicati its shall be reported ue or black ink only.	s document is a pern id delays in processi on can be directed to to 1/10 th of a metre	nanent leg ng. Further the Wate	al document. I instructions ar r Well Manage	Please retain fo nd explanations ment Coordina Minis	r future referen are available on tor at 416-235- try Use Only	nce. the back of t -6203.	this form.
First Name	Last Name		ailing Addre	ss (Street Numt	per/Name, RR,Lo	t,Concession)		
County/District/Municipality	Township	City/Town/Village	P	rovince Posi Ontario	al Code	Telephone Nu	mber (include	area code)
RR#/Street Number/Name	y/District/Municipality)		wnship Ux City/Town/V	bridge.	2. Site/	Lot 13 Compartment/Blo	Concession	•
GPS Reading NAD Zo	Easting	Northing	Unit Make/N	Model Mod	e of Operation:	Undifferentiated		ged
Log of Overburden and B	edrock Materials (918 75 5 A IN see instructions)				Differentiated, sp	pecify	
General Colour Most commor	n material	Other Materials		Gener	al Description		Depth From	Metres To
	· · · · · · · · · · · · · · · · · · ·							
· · · · · · · · · · · · · · · · · · ·					• 			
							· · · ·	
	······							
Hole Diameter		Construction Reco	ord			Test of Well \	rield	
From To Centimetres	Inside diam Mater	ial thickness	Depth	Metres	Pumping test r	ethod Draw Do Time Wate	own Red r Level Time V	covery Vater Level
38.1 0 5.08	centimetres	centimetres	From	То	Pump intake se	min Me t at - Static	etres min	Metres
	Steel	Casing Fibreglass		<u> </u>	(metres) Pumping rate -	Level	1	
Water Record		Concrete	38.1	0	(litres/min)	ping o		
Water found at Metres Kind of Water		Fibreglass			hrs +		2	
m Fresh Sulphur	Plastic	Concrete			Final water leven of pumping	el end 3	3	
	Galvanized	Fibredlass			Recommended	pump 4	4	
m Fresh Sulphur Gas Salty Minerals Other:	Plastic Galvanized	Concrete		41	Shallow Recommended depth.	Deep pump 5 metres	5	
m Fresh Sulphur Gas Salty Minerals		Screen			Recommended rate.	pump 10	10	
Other:	diam Steel Plastic	Fibreglass Slot No. Concrete			If flowing give r	ate - 20	20	
Clear and sediment free	Galvanized	I			(litres/mir) 25 ntin- 30	25	
Other, specify		No Casing or Scre	en		ued, give reasor	40	40	
Chlorinated Yes No	Open hole	-				60 60	60 60	
Plugging and Se	ealing Record	Annular space 🔀 Ab	andonment		Loc	tion of Well		
From To	pe (bentonite slurry, neat cer	nent slurry) etc. (cubic	metres)	In diagram beio	v snow distances o v arrow.	r well from road, 101	t line, and build 本い	ling.
35 0 (to some					· · · · · · · · · · · · · · · · · · ·	1 10	
				m	\sim	45m		
		No contra c		8	Y	<→×	۳.	-
	Method of Construction	n		2		5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 -		
Cable Tool Rotary	(air)	amond	Digging	a				
Rotary (conventional) Air per	cussionJe	riving L	Other					· .
	Water Use		Othor		27	Huny	1	1
	ercial	ot used				Data Wall Com		
	Final Status of Well			Audit No. Z	35831		2005	2 23
Water Supply Recharge w Observation well Abandoned	ell 🛛 🗍 Ui , insufficient supply 🗌 Do	nfinished 🏾 🐴 Abando əwatering	ned, (Other)	Was the well ov package delivered	vner's information	Date Delivered	YYYY N	MM DD
Test Hole Abandoned, Well Con	poor quality Rent Rent Rent Rent Rent Rent Rent Rent	eplacement well formation			Minist	ry Use Only		······
Name of Well Contractor	- 1 1011-		cence No.	Data Source		Contractor	K Q	
Business Address (street name, numt	per, city etc.)		·	Date Received		Date of hispectic		MM
Name of Well Technician (last hape,	first name)	Well Technician's L	icence No.	MAK Remarks	(4 (100	Well Record Nu	Imber	
Signature of Technician/Contractor	Verel	Date Submitted	<u>مر</u> MM	a A succession	and the second			
X 100-1001	Contractor's Con		Well Owr	ler's Copy		ette formule est	disponible er	n francais

The second secon	Ministry of the Environment	Well Tag Nu	nber (A 03:	2893	Regula	ion 903 Ontario	Well R	ecord							
Instructions for Completin	a Form	A	03	289	3			page _	of							
 For use in the Province of All Sections must be con Questions regarding com All metre measurement Please print clearly in blue 	of Ontario only. The npleted in full to ave pleting this applica s shall be reported e or black ink only.	is document is bid delays in p tion can be dir d to 1/10 th of a	s a perma rocessing rected to a metre.	anent leg a g. Further the Water	al document. F instructions ar Well Manage	L Please retain fo Id explanations ment Coordina Minis	r future refere are available o tor at 416-23 try Use Only	nce. n the back of 5-6203.	this form.							
Well Owner's Information	and Location of	Well Informa	tion	MUN		ON		LOT								
-Irst Name	Last Name	ion	Mai	ling Addres	ss (Street Numb	er/Name, RR,L	t,Concession)									
County/District/Municipality	Townshi	p/City/Town/Vill	age	P	rovince Post	al Code	Telephone N	umber (include	e area code)							
Address of Well Location (County	/District/Municipality)		Tow	nship			Lot	Concession								
RR#/Street Number/Name	Kegion	1		ity/Town/V	<u>alrici</u>	<u>se</u> Site	13	llook/Troot at								
	will 1	lnd ti	ank	Un	bridg	e Cite	Compartment/E		···							
	6 HI HLA		<u>5</u> ዛጉ	nit Make/N	10del Mod	e of Operation:	Undifferentiate	d 🗌 Avera	iged							
Log of Overburden and Be	drock Materials	see instruct	ions)	т. Т.				Death								
General Colour Most common		Other Materials	\$		Gener	al Description	.27	From	Metres To							
						· · ·	*									
· · · · · · · · · · · · · · · · · · ·									<u> </u>							
Hole Diameter		Construct	ion Pecor			1	Toot of Woll	Minld								
Depth Metres Diameter	Inside	Construct	Vall	Depth	Metres	Pumping test r	nethod Draw	Down Re	ecovery							
From To Centimetres	diam Mate	erial thic	kness	From	То		Time Wa	ter Level Time	Water Level							
30,C D.08		Cas	ina		10	Pump intake s	et at - Static									
1.62 0	Steel	Fibreglass				Pumping rate -	1	1								
Water Record		Concrete	-	7.62	0	Duration of pur	nping 2	2								
Water found Kind of Water		Fibreglass				hrs +	min									
m Fresh Sulphur		Concrete				of pumping	el end 3	3								
Other:	Galvanize	Fibreglass				Recommended	pump 4	4								
m Fresh Sulphur	Plastic	Concrete				Recommended	Deep	5								
Other:	Galvanize	bd				depth.	metres									
Gas Salty Minerals	Outside Steel	Fibreolass SI	een ot No			rate. (litres/mi) 15	10								
After test of well yield, water was	diam Plastic]Concrete				If flowing give (litres/min)	ate - 20	20								
Clear and sediment free	Galvanize	d				If pumping disc ued, give reaso	ntin- 30	30								
		No Casing	or Scree	n			40	40 °								
Chlorinated M Yes No	Open hol	0 .					60	60								
Plugging and Sea	aling Record	Annular space	e 🔀 Abai	ndonment Placed		Loc	ation of Well									
From To Material and type	e (bentonite slurry, neat ce	ement slurry) etc.	(cubic n	netres)	Indicate north b	v snow distances o v arrow.	i weii irom road,	iot line, and buil	aing.							
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M Cable Tool Rotary (a	ethod of Construct	ion Diamond		Digging		Ą										
Rotary (conventional)	ussion	Jetting Driving	Ē	Other		4	and the second									
	Water Use	Driving					2 ⁷⁷	· .								
Domestic Industria	rcial	Public Supply Not used		Other			H-547		-							
Irrigation Municipa		Cooling & air cond	itioning		Audit No. 7	35830	Date Well Co	mpleted YYYY	MM DD							
Water Supply Recharge we		Unfinished	Abandone	ed, (Other)	Was the well or	vner's information	Date Delivered		MM DD							
Observation well Abandoned, i Test Hole Abandoned, r	insufficient supply	Dewatering Replacement well			package delivered	ed? Yes	No									
Well Cont	ractor/Technician I	nformation			Data Source	Minis	try Use Only	-								
Dilson & Dater	Wells			ence NO.			54	59.	1							
Business Address (street name, number	er, city etc.)				Date Reserved	4 2006 .	Date of Inspec	tion _{YYY} Y	MM DD							
Name of Well Technician (see name, fi	rst name)	Well Tec	hnician's Lic	ence No.	Remarks		Well Record I	Number								
Signature of Technician/Contractor		Date Subn		MM DD												
(X)))) 0506E (09/03)	Contractor's Co	DDV 🗌 Ministry	S CODY	Well Own	ler's Copy		Cette formule es	t disponible e	n francais							
🕅 Or	ntario	/inistry of he Enviro	nment	Well Ta	g Nur	nber	А	032	887		Regulat	on 903	Ont	We ario Water	II R Reso	ecord
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Instruction	s for Completin	a Form			¥	40	3	288	37	4			. 1	F	age _	of
 For use All Section Question All metro 	in the Province ons must be com ons must be com ns regarding com re measurement	of Ontario pleted in pleting thi s shall be	only. This full to avoi s applicati reported	docum d delays on can b to 1/10 °	ent is s in p be dir th of a	s a perr rocessi ected t a metre	man ing. to th	ent lega Further i e Water	I docun instructi Well M	nent. P ons an anager	□ lease retain fo d explanations nent Coordina	r futur are ava itor at	e ref ilable 416-2	erence. e on the ba 235-6203	ack of	this form.
Please p Well Owner	r's Information	e or black and Loca	ink only. ation of W	Vell Info	orma	tion	-	MUN		C				y	LOT	
First-Name	ham	Last Nam	2 nin			N	/ ailin	ng Addres	s (Stree	Numbe	er/Name, RR,Lo	t,Conc	essio	n)		
County/District	/Municipality		Fownship	/City/Tow	n/Villa	age		Pr	ovince	Posta	al Code	Tele	ohone	Number	(includ	e area code)
Address of We	Il hocation (County/	Distriçt/Mu	nicipality)	e		Т	owns	ship				Lot	·	Conce	ession	
RR#/Street Nu	imber/Name	ville	In	J. 1.	ai	k	City	y/Town/Vi	llage	lae	Site	Compa	<u>,</u> rtmer	nt/Block/Tr	act et).
GPS Reading	NAD Zon	e Eastin	9 1 4 7 3	North M N	ning NS	527	Uni	it Make/M	odel	Mode	of Operation:	Undi	fferent rentiat	iated ed, specify_		aged
Log of Over General Colour	Most common	material	aterials (s	Other Ma	ruct	ions)			·	Genera	Description			Dep	oth	Metres
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		-					.,									
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	: 															
·							:									·
Hole	Diameter	1.1		Cons	truct	ion Rec	ord			~		Tes	t of V	Vell Yield		
Depth M	letres Diameter	Inside	Mater	ial	ľ.	Wall		Depth	Me	tres	Pumping test i	nethod	Dra	aw Down	R	ecovery Weter Level
72.5	D 15.14	diam centimetres	Matci		cent	imetres		From	Т	o	Pump intake s	et at -	min	Metres	min	Metres
					Cas	ing			1		(metres)		Level			
		15.24	V Steel	Fibreglass Concrete	6	35	7	2.5	0)	(litres/min)		1	······	1	
Water found	r Record		Galvanized	d Fibraeleaa							Duration of pu	nping min	2		2	
	Fresh Sulphur	-		Concrete							Final water lev of pumping	el end	3		3	
Gas	Salty Minerals		Galvanized	d Fibreolass							Recommended	pump	4		4	
Gas	Fresh Sulphur Salty Minerals			Concrete							Shallow Recommended	Deep pump	5		5	
Other:	Freeh Sulphur		Galvanized	d	Sc	reen					Recommended	metres pump	10		10	
Gas	Salty Minerals	Outside	Steel	Fibreglass	SI	ot No.					rate. (litres/mi	h)	15		15	
After test of wel	ll yield, water was	ulum	Plastic	Concrete			1				(litres/mi	n)	20		20	
Clear and se	ediment free			No C	asin	g or Sci	reen	1			ued, give reaso	n.	30 40		30	
Chlorinated	Yes 🗌 No		Open hole)				<u></u>					50		50	
	Plugging and Se	aling Reco	ord	Annula	r spac	e X /	Aban	donment			Loc	ation c	of We		1.00	
Depth set at - M From	etres Material and typ	e (bentonite s	slurry, neat ce	ment slurry) etc.	Volu (cub	ime P pic me	Placed etres)	In diagr	am belov e north by	w show distances / arrow.	of well fr	om roa	ad, lot line,	and bu	ilding.
12.5 6	Λ Sili	<u>: a Sa</u>	1										110		N	4
2.42 8	TO BEAN	onite.								1);;)m K		
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	N	lethod of	Constructi	on			<u>.</u>			الحر						
Cable Tool	Rotary (air)		Diamond			Di	gging		Š	n an	i de la come La come	100 miles	N.		
Rotary (conve Rotary (rever	entional) Air perc se) Boring	ussion		etting Driving		L							Ň,			
Domestic	Industria	Wate	er Use	Public Supp	oly .	[Ot	her			Н	2234	1			
Stock	Comme	rcial al		lot used Cooling & a	ir cond	ditioning			Audit N	lo. 🚽	25025	Dat	e Wel	Completed	~	MM DD
Water Suppl	v Recharge we	Final Sta	tus of Well	l Infinished	,	X Aban	done	d. (Other)	Was th		JJJJJJ	Dat	e Deliv	vered Y	<u>35</u>	12 23 MM DD
Observation	well Abandoned,	insufficient s	upply	Dewatering Replaceme	nt well	· · · · · · · · · · · · · · · · · · ·	-	<u> </u>	packag	e delivere	ed? Yes	No			<u> </u>	
	Well Con	tractor/Tee	chnician Ir	nformatio	on ell Co	ntractor's	Lice	nce No	Data S	ource	Minis	try Us Co	e Onl	br	-	
	ns Late	<u>UU</u>	ls_			545	٩		Date D	aceivad	1000		5	45	9	
Business Addres	ss (street name, numb		17772	1h		abeist- 1	110	mac his			2006				τ Υ Υ	IVIM DD
Name of Well Te	echnician (last name, f	irst name)						ence NO.	Renhar	KS *		We	n Rec	ora Number		
Signature of Ter	chninian/Contractor	M.		Da	ite 2001	2001										
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Instructio	ns for	Completir	ng Form	() ()		An	32	894	<u></u>	Kegula	on 90.	s Ontar	page	ources Act
 For us All Sec Questi All me 	e in the ctions r ions re a tre m e	e Province nust be cor garding com	of Ontario npleted in 1 npleting this	only. Thi full to avo applicat	s docume id delays ion can b I to 1/10 th	ent is a p in proce e directe	perm essin ed to	anent lega ig. Further i the Water	l document. nstructions a Well Manage	– Please retain fo nd explanations ement Coordina	or futur are ava ator at	e refei ailable (416-23	rence. on the back of 35-6203.	this form.
Please	e print c	learly in blu	e or black	ink only.						Minis	try Us	e Only		
First Name	er's In	<u>formation</u>	Last Name	tion of v	vell info	rmation	ו ∣Ma	iling Addres	s (Street Num	ber/Name, RR,L	ot,Conc	ession)	
County/Distr	rict/Mun	cipality		Township	27 /City/Tow	n/Village		Pr	ovince Pos	tal Code	Tele	phone	Number (includ	e area code)
Address of V	Vell Loc	tion (County	/District/Mu	nicipąlity)			Τον	vnship C	Ontario		Lot	· · ·	Concession	
RR#/Street I	Mumber.	Name	Ne	gion	$\overline{\Delta}$	1	 (City/Town/Vi	Uriclg	Site	Compa	<u>3</u> artment	Block/Tract et	c.
GPS Readir	ng	NAD Zor	ne Easting	nd.	North	ing		Unit Make/M	odel Mo	be of Operation:	Und	ifferentia	ted Aver	aged
Log of Ov	erburg	8 3 ī den and Bo	drock Ma	H6 iterials (<u>48</u> see inst	1554 ructions	เก s)	· · · · · · · ·	· • • • · · · ·		Diffe	erentiateo	l, specify	
General Colo	our N	lost common	material		Other Ma	terials			Gene	ral Description		-	Depth From	Metres To
	· · ·													
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Hol	e Diam	eter	1	l <u>.</u>	Const	truction F	Reco	ord][Tes	t of We	ell Yield	
Depth From	Metres To	Diameter Centimetres	Inside	Mate	rial	Wall		Depth	Metres	Pumping test	nethod	Drav Time W	v Down R	ecovery Water Level
5.48	ð	5,08	centimetres			centimetr	res	From	То	Pump intake s	et at -	min Static	Metres min	Metres
				Steel	Fibreglass	Casing		·····	•	(metres) Pumping rate		Level	1.	
Wa	ter Rec	ord	,60		Concrete			5,48	0	(litres/min) Duration of pu	mping	2	2	
Water found atMetres	Kir	d of Water		Steel	Fibreglass					Final water lev	min kel end	3		
Gas	Fresh Salty	Sulphur		Plastic Galvanize	Concrete d					of pumping	metres	3		
	Fresh	Sulphur		Steel	Fibreglass					type.		4	4	· · · · ·
Gas	Saity	Minerals		Galvanize	d				-42	depth.	metres	5	5	
Gas	Fresh Salty	Sulphur	Outside	Steel	Fibreolass	Slot No		· · ·		rate. (litres/mi	pump h)	10 15	<u> </u>	
After test of v	vell yield	, water was	diam		Concrete					If flowing give (litres/mi	rate - n)	20 25	20 25	
Clear and	l sedimer	t free		Galvanize	d No C	asing or	Scre	en		If pumping disc ued, give reasc	ontin- in.	30 40	30	
Chlorinated	Yes	No		Open hole)							50	50	¥
	Plug	ging and Se	aling Reco	rd	Annular	· space 🎽	🖣 Ab	andonment		Loc	ation	of Well		
Depth set at - From	Metres To	Material and typ	be (bentonite sl	urry, neat ce	ement slurry)	etc. (/olum (cubic	e Placed metres)	In diagram bel Indicate north	ow show distances by arrow.	of well fr	om road	, lot line, and bu	ilding.
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			Final Stat	us of Wel					Audit No. Z	35834				
U Water Sup	oply [on well [_ Recharge w Abandoned,	ell insufficient su	ipply	Unfinished Dewatering	* Ab	bando	ned, (Other)	Was the well package delive	owner's information red?	No Da	e Delive		MM DD
		Well Con	poor quality	hnician li	nformatio		01101	icence No	Data Source	Minis	try Us	e Only		*
Name of Well	Contract	or DCF	we h	elle		54S		idence NO.	Data Boasting			5	459	
Business Add	Tess (stre			A7 LO	-1/12	Tochrist	anial	icence No	MAR	2 4 YYYUUM			d Number	MM DD
Name of Well	rechnici	an (last name)erev	•••	- Det		S L	licence NO.	Remarks			Hecon	a Number	
X	Innicia		<u> </u>	<u> </u>			ХС ^т	DZ IN			0-4		oot diagonatic	on from the
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(P) Or	ntario 🖁	/linistry of he Environme	Well Tor	. N	9216	ümber below)	Regulation 903	Ontar	Wel	I R Reso	ecord
		3) 		ADO	9216				pi	age_	of
 Instructions For use i 	s for Completin n the Province o	g Form of Ontario onl	y. This docume	ent is a per	manent lega	I document. Pl	ease retain for future	e refer	ence.		1.
All SectionQuestion	ons must be con is regarding com	pleted in full f pleting this ap	o avoid delays	in process be directed	ing. Further i to the Water	nstructions and Well Manager	d explanations are ava nent Coordinator at 4	ailable (416-23	on the ba 35-6203.	ck of	this form.
All metro Please p	e measurement	s shall be rep e or black ink	orted to 1/10 th only.	^h of a metr	·e		Ministry Use	Only			
	o Information	and Locatio	n of Wall Info	rmation	MUN	CC	N			OT	
12 And	l-con R	Tuck	Janty)			· · ·	13	5			
RR#/Street Nu	mber/Name				City/Town/Vi		Site/Comp	irtment	/Block/Tra	act etc	<u>,</u>
GPS Reading	NAD Zon	e Easting	74 North	ning n/77	Unit Make/M	odel D Mode	of Operation:	ifferentia	ted 🚺	Avera	, iged
Log of Over	burden and Be	drock Mater	rials (see inst	ructions)	1 kg un			rentated	, specity		
General Colour	Most common	material	Other Ma	iterials		Genera	I Description		E Dept Fro	m	Metres To
Brown	Silt		provel (· ley		Dense 0					27.4
brown	Jana		511+ , 91	and	· / 2	10052					
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	1 										
Hole Depth M	Diameter etres Diameter		Cons		Depth	Motros	Tes Pumping test method	t of We Drav	ell Yield v Down	R	ecovery
From	To Centimetres	diam	Material	thickness	From	To		Time V min	Vater Level Metres	Time min	Water Level Metres
0 2	7.4 20.5			Casing		<u> </u>	Pump intake set at - (metres)	Static Level			
			iteel Fibreglass			odd	Pumping rate - (litres/min)	1		1	
Wate	r Record	5	lastic Concrete Balvanized	.75	0	27.7	Duration of pumping	2		2	
at 22 Metres	Kind of Water						Final water level end	3		3	
	Salty Minerals		Balvanized				Recommended pump	4		4	
	Fresh Sulphur		iteel Fibreglass				type. Shallow Deep Recommended nump				
Gas	Salty Minerals		Balvanized				depthmetres	0		5	
Gas	Fresh Sulphur Salty Minerals	Outside		Screen			rate. (litres/min)	10 15		10 15	
Other:	l vield water was	diam	Plastic Concrete	SIULINO.	24.4	27.4	If flowing give rate - (litres/min)	20 25		20 25	
Clear and se	ediment free	6-2	Balvanized	,010		·	If pumping discontin- ued, give reason.	30		30	
Chloringtod			No C	asing or S	creen		and the second se	40 50		40 50	
	Yes No				Abandanmant			60		60	
Depth set at - M	etres Material and typ	e (bentonite slurry	, neat cement slurry	/) etc. Vol	ume Placed	In diagram below	w show distances of well fr	om road	d, lot line, a	and bu	ilding.
0 24	1.4 Ban	ton'te	Slurgy		1	indicate north by	y arrow.				
24.4 27	7.9 #3	sand			15			,	ſ	/	n
							+	fa	ch.	ed	4.
			······			5	ee a'				
Cable Tool	Rotary	Aethod of Con (air)	struction		Digging						
Rotary (conve Rotary (rever	entional) 🗌 Air pero se) 🌠 Boring	cussion	Jetting	-	Other						
		Water U	Se								
		ercial	Not used	ir conditioning				te Well	Completed		
		Final Status	of Well				09236		Zoo	5	<u>// 224</u>
Water Supply	Well Abandoned,	eil insufficient supply	Unfinished	L_ Abai	ndoned, (Other)	Was the well ov package delivered	vner s information Dated? Yes X No		νου γ	r YY 	MM DD
Test Hole	Abandoned, Well Con	poor quality tractor/Techni	Replaceme	nt well on			Ministry Us	e Only		,	
Name of Well Co	wore D	; 11:, I	nc ·	ell Contractor	s Licence No.	Data Source	Co	7	09	1	
Business Addres	ss (street name, numt	Toront	, M9W	345		APR 2	7 2006 I	te of Ins	pection Y	ŶŶŶ	MM DD
Name of Well Te	achnician (lasphame	first name)	W	ell Technician	's Licence No.	Remarks	We	ell Recor	d Number		
Signature of Tec	inigian/Contractor		Da	te Submitted	× 12 3	•	· .				
0506E (09/03)		Contract	tor's Copy 🔲 M	linistry's Cop	y 🔀 Well Ow	ner's Copy	Cette f	ormule	est dispo	nible	en français



P Or	ntario	Ministry of the Enviror	nment	Well Tag N	lumber	A 032	730	Regulation 903	Onta	Wel	IR Reso	ecord
Instructions	s for Complet	ng Form		F	703	3273	30			. P	age _	of
 For use i All Section Question All metro Please p Well Owner 	in the Province ons must be cons regarding conserved and the second rest of the second se	of Ontario ompleted in f mpleting this nts shall be ue or black n and Loca	only. This full to avoid s applicatio reported t ink only.	documen I delays in on can be to 1/10 th o ell Inforn	t is a perm processin directed to of a metre mation	nanent lega ng. Further i the Water	I document. Pl nstructions and Well Managen	a ease retain for future l explanations are ava nent Coordinator at a Ministry Use	e refe ilable 416-2 Only	erence. on the ba 235-6203.		this form.
First Name	Municipality		D Reg Township/(City/Town/\	/illage	Pro Pro	s (Street Numbe ovince Posta	I Code	ohone	n) Number (include	e area code)
Address,øf.We	II Location (Coun	ty/District/Mu	nicipality)		To	wnship A		Lot	~	Conce	ssion	
RR#/Street Nu	unham imber/Name	wille	Ino	1 Pa	rk	City/Town/Yi	dge llage	Site/Compa	3 rtmen	t/Block/Tra	act etc	
GPS Reading	NAD Z	Dine Eastin	8 הה	Northing	5628	Unit Make/M	odel Mode	of Operation: Undi	fferenti rentiate	ated ed, specify	Avera	aged
Log of Over	rburden and E	Bedrock Ma	aterials (s	ee instru	ictions)		Genera	Description		Dep	th	Metres
	wost commo	n material			1015					Fro	m	То
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Hole	Diameter			Constru	uction Rec	ord		Tes	t of W	/ell Yield		
Depth M From	1etres Diameter To Centimetre	lnside s diam	Materi	al	Wall thickness	Depth	Metres	Pumping test method	Dra Time	aw Down Water Level	R Time	ecovery Water Level
		centimetres		c	entimetres	From	То	Pump intake set at -	min Static	Metres	min	Metres
				C	asing			(metres) Pumping rate -	Level		1	
		5.08	♥ SteeiF	Concrete	125	6.87	0	(litres/min)		1.e	~	
Wate Water found	r Record		Galvanized	<u>\</u>	600	v .,	•	Duration of pumping	2		2	
at Metres >	Fresh Sulphu	•		Fibreglass				Final water level end	3		3	• •
Gas	Salty 🗌 Mineral	s	Galvanized					Recommended pump	4		4	
	Fresh 🗌 Sulphu			Fibreglass				Shallow Deep	-		-	
Gas	Salty Mineral	S	Galvanized	Soncrete				depthmetres	5		5	· ·
	Fresh Sulphu				Screen			Recommended pump rate.	10		10	· · · · · · · · · · · · · · · · · · ·
Other:		diam		Fibreglass	Slot No.			If flowing give rate -	20		20	
After test of wel	Il yield, water was ediment free		Galvanized				Security Sec.	(litres/min)	25 30		25 30	• .
Other, speci	ify			No Cas	sing or Sci	reen		ued, give reason.	40		40	
Chlorinated 🗶	Yes 🗌 No		Open hole						50 60		50 60	
	Plugging and §	Sealing Reco	ord [] Annular s	pace 🚺 A	bandonment		Location of	of We	11		
Depth set at - M From	letres To Material and	type (bentonite s	slurry, neat cen	nent slurry) el	tc. Volu (cub	me Placed ic metres)	In diagram below	v show distances of well fr arrow.	om roa	ad, lot line, a	and bu	ilding.
61.87 57	<u>9</u> Sili	ca Sand	N						N	1	1 1 1	
<u> 1.4 45</u>	1 Bento	nit-c						-96				
) Cen	ren T						300~				
·····			·····		Ser in day	No. of the second se		(`Y	hm		
	Rotar	Method of		on iamond	· · · · ·	Digging						
Rotary (conv	entional) Air pe	ercussion	Je	etting		Other					. 1	
Rotary (rever	rse) Borin	g Wate	er Use	riving				ñu -				φ
Domestic		trial mercial		ublic Supply		Other						lan
		cipal		ooling & air c	conditioning		Audit No. 7	35881 Dat	e Well	Completed	X.	MM DD
Water Suppl	ly Recharge	well		nfinished	X Aband	loned, (Other)	Was the well ow	vner's information Dat	e Deliv	vered Y	YYY	MM DD
Observation Test Hole	well Abandone	d, insufficient s d, poor quality	upply 🖸 De	ewatering eplacement v	well	·	package delivere	d'/ Yes No	· · · ·		•	
	Well Co	ontractor/Teo	chnician In	formation	Contractor's	Licence No	Data Source	Ministry Us	e Onl	y or		1 · · ·
	ns Unter	Dells			5459		Det- D		54	59		
Business Addres	ss (street name, nu ー ーーーーーーーーーーーーーーーーーーーーーーーーーーーーーーーーーー	nber, city etc.) Sto	FFVI	112			JUN 15	2006	e of In	spection Y	YYY	MM DD
Name of Well Te	echnician (last ham	e, first name) • • V		Well	Technician's	Licence No.	Remarks	We	ell Rec	ord Number		er sone
Signature of Ter	chnician/Oppractor			Date S	Submitted YYY	Y MM DD	en e	- 203 		< ⁻		a same
0506E (09/03)	run	Con	tractor's Cor	by 🗌 Mini	stry's Copy	Well Ow	ner's Copy	Cette f	ormul	e est dispo	nible	en français

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UTM 117 2 61410-91712 E			46 N	2 2712
5 R 4 8 7 5 6 8 4 N The Ontario Water Reso	urces Commission	Act	0 Privee	
Elev. 7 R L	L REC	ORD		C. Street by C
Basin 24 LALLO	Counship Village	Fown or City	. In the second s	
County or District)ate completed		an ann	
	1 June -	(day	month	year)
Owner				
Casing and Screen Record		Pumping	j Test	
Inside diameter of casing	Static level		Σ	C.P.M
Total length of casing	Test-pumping r	ate		G.P.M.
Type of screen	Pumping level			
Length of screen	Duration of test	pumping	£. i	•
Depth to top of screen	Water clear or c	loudy at end of	test	
Diameter of finished hole	Recommended	pumping rate	<u> </u>	G.P.M.
	with pump setti	ing of \mathcal{A}	feet belo	w ground surface
Well Log			Wate Depth(s) at	Kind of water
Overburden and Bedrock Record	From ft.	To ft.	which water(s) found	(fresh, salty, sulphur)
Aline same a come		98		
- Contraction of the second se		13 -		
· · · · · · · · · · · · · · · · · · ·				
For what purpose(s) is the water to be used?		Location	of Well	
	In diagr	am below show d lot line. Inc	distances of we	arrow.
Is well on upland, in valley, or on hillside?				
Drilling or Boring Firm				
· · · · · · · · · · · · · · · · · · ·				
Address			•	30 50'
			r.	
Licence Number			$\sqrt{2}$	
Name of Driller or Borer				19 1/
Address			1	1 3
Date			//	At m
(Signature of Licensed Drilling or Boring Contractor)				
Form 7 15M-60-4138			÷	C\$\$.\$8
TOTH / 1941-00-4100				
OWRC COPY				

$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Well Drillers Mines, Provin	Act ace of O	ntario DEPAR	46 Nº 25 1986 U-310AL BRAN TIMENT OF M	CH INES
County or Torritorial District On Tarie	Township, Vil Fown s	lage, To or City)	ufficit	frid Ke	<u>g.s.</u>
Date Completed	or wen (exclud	ing pump))		· · · · · · · · · · · · · · · · · · ·
Pipe and Casing Record		1	Pumping Test		
Length (s) of casing (s)	 Static level. Pumping lev Pumping rat Duration of Distance from 	el	gallen Ph Gallen Ph Jours er or bowls to ground		
Kind (fresh or mineral) 7184			Depth(s)	Kind of	No. of Feet
Quality (hard, soft, contains iron, sulphur, etc.) Appearance (clear, cloudy, coloured)	and se g st	o ch.	to Water Horizon(s)	Water	Water Rise
How far is well from possible source of contamination?. What is the source of contamination? Enclose a copy of any mineral analysis that has been ma	1.0.0 La USQ ade of water.	feet	· · · · · · · · · · · · · · · · · · ·		
Well Log	From	To	Loca	ation of Well	
Sand & clay mixed	0 ft. 5- 8-0	.fr.ft. 80 90	In diagram b well from ro dicate north	pelow show dist ad and lot lin by arrow.	ances of ne. In-
Wateksand	91	6	over v ()	la start	Ude Room
			145 miles E VTLine	and the	0
Situation: Is well on upland, in valley, or on hillside?. Drilling Firm. Delay Markovich Address. Name of Driller. Date.		Addres	s e Namber Signature o	Licensee	

' (A) v	The Ontario Wate	ar Resources (ommission Act	
				-
	VALER W		RECOR)
Water management in Ontario 1. PRINT ONLY	IN SPACES PROVIDED	46	04231 MUNICIP.	
2. CHECK X CC	TOWNSHIP, BOROUGH, CITY, TOW			
ONTARIO	UXBRIDGE	5	L	412
OWNER (SURNAME FIRST) 28-47	ADDRESS		· · · · · · · · · · · · · · · · · · ·	DATE COMPLETED 48-53
ZONE EASTING	NORTHING	AC AUC TO RC. ELEVATION	RC. BASIN CODE	DAY_16_MO
$\begin{array}{c} 21 \\ 1 \\ 1 \\ 2 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 $	1550 4827447	plat fig.	65,6 24	
	LOG OF OVERBURDEN AN	D BEDROCK MAT	ERIALS (SEE INSTRUCTIONS)	47
GENERAL COLOUR COMMON MATERIAL	OTHER MATERIALS		GENERAL DESCRIPTION	DEPTH - FEET
Brown In	·/			
Barris Plan		. 0	4 .	0 1
B	- round i gre	11	Dense	0' /5
11 PO	graver + von	Iden 1	touse	15 21
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12rown frind	grand, il	ing	packed	73' 51'
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32) <u>9017131219506199</u>	13/609/1/05 01/40/205			
41 WATER RECORD	51 CASING & OPEN	HOLE RECOR	D Z SIZE(S) OF OPENING (SLOT NO.)	31-33 DIAMETER 34-38 LENGTH 39-40
AT - FEET KIND OF WATER	INSIDE WAL DIAM. MATERIAL THICKN INCHES INCH	L DEPTH - FEET 4ESS FROM TO		INCHES FEET DEPTH TO TOP 41-44 80
015 2 SALTY 4 MINERAL	10-11 1 STEEL 12 2 GALVANIZED	1	3-16 O NA	FEET
15-18 1 🗌 FRESH 3 🗔 SULPHUR 2 🗌 SALTY 4 🗔 MINERAL			61 PLUGGING	& SEALING RECORD
20-23 1 FRESH 3 SULPHUR	4 17-18 1 STEEL 19 2 GALVANIZED	20	0-23 DEPTH SET AT - FEET M/	TERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
2 SALTY 4 MINERAL 25-28 1 FRESH 3 SULPHUR ²	3 CONCRETE 9 4 OPEN HOLE		10-13 14-17	
2 SALTY 4 MINERAL	24-25 1 🗆 STEEL 26 2 🖸 GALVANIZED	27	7-30 18-21 N 22 -25	
1 FRESH 3 SULPHUR 2 SALTY 4 MINERAL	3 CONCRETE 4 OPEN HOLE		26-29 30-33 80	
71 PUMPING TEST METHOD 10 PUMPING R	ATE 11-14 DURATION OF PUMPING			E WELL
	5-16	17-18	MERACRAN RELOW CHONEDICTINGS	
CTATIO WATER IEVEL 25	HOOKS		THE BANGAR BELOW SHOWEDISTANCES	OF WELL FROM ROAD AND
STATIC EVEL 25 END OF LEVEL 19-21 22-24 IF MINUT	TER LEVELS DURING 1 PUMPING 2 RECOVER TES 1 30 MINUTES 65 MINUTES 50	3 RY MINUTES	LOT LINE. INDICATE NORTH BY ARROV	DE WELL FROM ROAD AND N
STATIC WATER LEVEL 25 LEVEL END OF PUMPING 19-21 22-24 IS MINU ABULL AVER AND	TER LEVELS DURING 1 PUMRING 7ES 30 MINUTES 2 RECOVER 26-28 29-31 45 MINUTES 60 1	G RY MINUTES 35-37	LOT LINE. INDICATE NORTH BY ARROV	OF WELL FROM ROAD AND N
STATIC LEVEL END OF UMPING 19-21 22-24 IS NINU PEET FEET IF FLOWING, 38-41 PUMP INTAN GIF FLOWING, 38-41 PUMP INTAN	TER LEVELS DURING T □ PUMPING 26-28 30 MINUTES 20 800 MINUTES 26-28 29-31 45 MINUTES 60 FEET FEET FEET FEET FEET FEET FEET FEET KE SET AT WATER AT END OF TEST 60	G RY MINUTES 35-37 FEET 42	LOT LINE. INDICATE NORTH BY ARROV	of well from road and N
STATIC LEVEL END OF PUMPING 19-21 22-24 15 MINU FEET FEET V Z IF FLOWING, GIVE RATE OOO3 CPM. RECOMMENDED PUMP TYPE RECOMMENDED PUMP TYPE	NORS TER LEVELS DURING 1 □ PUMRING 2 □ RECOVEF 26-28 29-31 45 MINUTES 32-34 FEET FEET	G RY MINUTES 35-37 FEET 42 CLOUDY 46-49	A W 7 M Y W A Y	OF WELL FROM ROAD AND N
STATIC LEVEL END OF PUMPING 19-21 22-24 IS MINU FEET FEET GIVE RATE GIVE RATE BUDDO GIVE RATE COMINENDE COMINO	ITER LEVELS DURING I DUMPING TES 30 MINUTES 229-31 26-28 29-31 45 MINUTES 26-28 29-31 52-34 FEET FEET FEET FEET FEET FEET FEET FEET FEET JED 43-45 RECOMMENDED PUMPING FUMPING FEET FEET FEET RATE	G RY MINUTES 35-37 <u>FEET</u> 42 CLOUDY 46-49 GPM.	IN DELW SHOWEDISTANCES	OF WELL FROM ROAD AND N
STATIC LEVEL END OF PUMPING 19-21 22-24 15 MINU FEET FLOWING, 38-41 PUMP INTAI GIVE RATE 0003 GPM. RECOMMENDED PUMP TYPE SHALLOW DEEP SETTING 50-53	NORS NORS TER LEVELS DURING 1 □ PUMRING 26-28 29-31 30 MINUTES 29-31 45 MINUTES 32-34 FEET FEET FEET FEET FEET FEET FEET FEET SET VATER AT END OF TEST JOED 43-45 PEET 1 1 CLEAR DED 43-45 PEET PUMPING PUMPING RATE KAC TORGTY, SITC	G RY MINUTES 35-37 FEET 42 CLOUDY 46-49 GPM.	AT DELAN BELOW SHOREDISTANCES	OF WELL FROM ROAD AND N
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STATIC LEVEL END OF PUMPING 19-21 22-24 15 MINU FEET FLOWING, 38-41 PUMP INTA GIVE RATE 0003 GPM. RECOMMENDED PUMP TYPE SHALLOW DEEP SETTING 50-53 FINAL 54 1 WATER SUPPLY STATUS OF WELL 55-56 1 DOMESTIC	NORS NORS TER LEVELS DURING 1 PUMPING 26-28 30 MINUTES 60 26-28 29-31 45 MINUTES 60 7EE 29-31 45 MINUTES 60 7EE 7EET 7EET 7EET 7EE 7EE 7EE 7EE 7EE 7EE 7EE 7EE 7EE 7EE 7EE 7EE 7E COMMERCIAL 7EE 7EE	G RY MINUTES 35-37 FEET 42 CLOUDY 46-49 GPM. GPM.	IN TOTAL AN BELLOW SHOREDISTANCES	OF WELL FROM ROAD AND N I I I I I I I I I I I I I
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COUNTY OR DISTRICT	2. CHECK CORRI	PACES PROVIDED CT BOX WHERE APPLICABLE		1004		46009	C101N1	A 01 22 23 24
ONT	ARIO	UXE	BRIDGE		2 2	JCK, TRACT, SURVEY,	, EIC.	LOT 25-27
CENTUP	R511 28-47 ξy CITY	ADDRESS	2 Shenn	and Sh	72-		DATE COMPLETED	248-53 69
21	TITE EASTING	600 NORTHING	4/5 ROH	ELEVATION	RC. BAS			
	<u> </u>	DG OF OVERBURD	EN AND BEDR	OCK MATERIA	30 31			47
GENERAL COLOUR	MOST COMMON MATERIAL	OTHER M	IATERIALS		GENERAL D	ESCRIPTION	DEP'	TH - FEET
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					54	OPENING 72531-3	65 63 DIAMETER 34-38	75 80 LENGTH 39-40
WATER FOUND	KIND OF WATER	INSIDE DIAM. MATERIAL	WALL THICKNESS			AND TYPE	04. OH	5 07 FEET
034 ¹⁰⁻¹³	RESH 3 SULPHUR	10-11 1 STEEL		13-16	c sci	teel	OF SCREEN	FEET
15-18 1 🗌 2 🗋	FRESH 3 SULPHUR 19 (SALTY 4 MINERAL		0	34 0034	61 PLU	GGING &	SEALING R	ECORD
20-23 † [] 2 []	FRESH $3 \square$ SULPHUR SALTY $4 \square$ MINERAL	17-18 1 🗌 STEEL 2 🗍 GALVANIZED	19	20-23	DEPTH SET A	T – FEET MATER	RIAL AND TYPE LEA	EMENT GROUT, D PACKER, ETC.)
25-28 1 🗌 2 🗆	FRESH ³ SULPHUR ²⁹ SALTY ⁴ MINERAL	24-25 1 STEEL	26	27-30		22-25	·	
30-33 1 -	FRESH 3 SULPHUR 34 80	2 GALVANIZED 3 GCONCRETE			26-29	30-33 80		
PUMPING TEST METH	NOD 10 PUMPING RATE	11-14 DURATION OF	PUMPING	J]
1 PUMP		5 0002 01 H	5-16 OURS 00 17-18 MINS		AGRAM BELOW S	HOW DISTANCES OF	WELL FROM ROAD AND	N
STATIC LEVEL U 19-21	END OF PUMPING 22-24 15 MINUTES	LEVELS DURING 3-		LOT	INE. INDICATE	NORTH BY ARROW.		* *
U 024	FEET FEET	FEET	32-34 35-37 FEET FEET			WA7	111	
Z GIVE RATE	GPM 30-41 PUMP INTAKE S	ET AT WATER AT EN	D OF TEST 42		447	HYVI		
	TYPE RECOMMENDED	43-45 RECOMMENDE PUMPING FEET RATE	D 46-49		//		> FR	
50-53	GPM./FT. SPECIFI	C CAPACITY						
FINAL	⁵⁴ ¹ □ WATER SUPPLY 2 2 0 OBSERVATION WELL	5 🗌 ABANDONED, INS	UFFICIENT SUPPLY				1) (1) (1) #	22-64
OF WELL	3 T TEST HOLE 4 T RECHARGE WELL	7 🗌 UNFINISHED					2	
WATFP	56 1 DOMESTIC 2 STOCK	5 COMMERCIAL 6 MUNICIPAL					2	
USE 09							2	
	57 1 CABLE TOOL	6 🗌 BORING	, USEN		5 .			«بر المراجع
METHOD OF	2 ROTARY (CONVENTI 3 ROTARY (REVERSE)	DNAL) 7 🗌 DIAMOND 8 🗌 JETTING			9	f	ala I.	alayan .
	5 AIR PERCUSSION	9 LJ DRIVING		DRILLERS REMARKS	;			
NAME OF WELL CO	INTRACTOR	lunde Ca	ICENCE NUMBER		58 CONTRAC	TOR 59-62 DATE		63-68 80
ADDRESS	H. 1/A	Fritten is			ION	INSPECTOR	VIIZE	3
A NAME OF DRILLER	OR BORER	acndon	ICENCE NUMBER	REMARKS:		/	Coo as	
C SIGNATURE OF CON	filterman	SUBMISSION DATE		FFICE		» · ⁴ .	055.58	
	× yran	DAY29 MO.	NU YR. 69	ō				J.B.
OWRC C	COPY							

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	The Ontario Water Reso	urces Commission Act	31D/3E
	TER WEL	L RECORD	
Water management in Ontario 1. PRINT ONLY IN SPAC 2. CHECK 🔀 CORRECT	ES PROVIDED 11 BOX WHERE APPLICABLE	4604893 46009	15 0/ 15 22 23 24
COUNTY OR DETRICT	TOWNSHIP, BOROUGH, CETT, UNIX, WEEKGE	3 9 CON., BROCK, TRACT, SHEVEL,	915-21
ONT NKTO	CANSILIA GAL	in the plup will a pro	ATE COMPLETED 18-53
	MG 26 0 2 4 1	ELEVATION RC. BASIN CODE	
			47
		GENERAL DESCRIPTION	DEPTH - FEET
GENERAL COLOUR COMMON MATERIAL	OTHER MATERIALS	LOOF	
REAL CLAY		DENSE	6 44
BROWN CCAY		DRY	44 65-
RED SAND		DRY	65-86
RED SAND	CLAY	CEMENTED	86 123
RED SAND		COARSE CLEAD	v 123 139
	Kart I. LIDDOSTAVI. I.I	Langelong, L. Langatagast.	1139200
41 WATER RECORD	51 CASING & OPEN HOL	ERECORD	65 75 80 3 DIAMETER 34-38 LENGTH 39-40
WATER FOUND KIND OF WATER	INSIDE MATERIAL THICKNESS	DEPTH - FEET	DEPTH TO TOP 41-44 BC OF SCREEN
0139 10-13 2 SALTY 4 MINERAL	2 GALVANIZED 12 188 C	5 186 STAINLESS STE	EL 729 FEET
15-18 1	3 CONCRETE 05 4 OPEN HOLE	0135 61 PLUGGING &	SEALING RECORD
20-23 ¹ FRESH ³ SULPHUR ² SALTY ⁴ MINERAL		FROM TO MATE	RIAL AND TYPE LEAD PACKER, ETC.)
25-28 1 FRESH 3 SULPHUR 2 SALTY 4 MINERAL	4 OPEN HOLE 24-25 1 STEEL 26	27-30 18-21 22-25	HD FACKER.
30-33 1 FRESH 3 SULPHUR 34 00	2 🗌 GALVANIZED 3 🔲 CONCRETE	26-29 30-33 80	
PUMPING TEST METHOD 10 PUMPING RATE	11-14 DURATION OF PUMPING		WELL
71 1 PUMP ² BAILER 2009	GPM. 02 15-16 00 17-18 HOURS 00 MINS.	IN DIAGRAM BELOW SHOW DISTANCES OF	WELL FROM ROAD AND
STATIC WATER LEVEL 23 S LEVEL END OF WATER PUMPING UMPING 19-21 22-24 15 MINUTES	LEVELS DURING 2 RECOVERY	LOT LINE. INDICATE NORTH BY ARROW.	
-095	29-31 99 FEET 90 FEET 90 FEET 90 FEET	10716	$\overline{\mathcal{I}}$
Z IF FLOWING, 38-41 PUMP INTAKE SE	ET AT WATER AT END OF TEST 42		\bot
GPM. GPM. GPM. RECOMMENDED PUMP TYPE RECOMMENDED PUMP	43-45 RECOMMENDED 46-49	N SIJERD. 15	¥
50-53 OO SHALLOW BEEP SETTING	C CAPACITY	E.28ME > 1	
	5 🗌 ABANDONED, INSUFFICIENT SUPPLY	350	
STATUS 3 TEST HOLE	6 🗌 ABANDONED, POOR QUALITY 7 🗍 UNFINISHED	R Atomis >0	X
55-56 1 DOMESTIC	5 🗌 COMMERCIAL	X	- 17
WATER 3 TRRIGATION	6 🗌 MUNICIPAL 7 🔲 PUBLIC SUPPLY	Lot 1.	s L
	8 COOLING OR ALR CONDITIONING		
62	8 COOLING OR AIR CONDITIONING 9 NOT USED	1 m	
	8 COOLING OR AIR CONDITIONING 9 NOT USED 6 BORING 6 DIAMOND	I TOTAL	8
METHOD OF DRILLING	8 COOLING OR AIR CONDITIONING 9 NOT USED 6 BORING ONAL) 7 0 8 JETTING 9 DRIVING	I Town	8
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Water W	ell J	Kec	OID On City: (P) Africe	н (тс.н.) V. А.Т.	rch - St	OUFEVILLE
Date Completed	ell (excludir	ng pump).		••••••	••••	•••••
Pipe and Casing Record			Pumping T	`est		
Casing diameter (s) U Length (s) of casing (s) Z Type of screen IZ Length of screen IZ Distance from top of screen to ground level Z Is well a gravel-wall type? Y	Pate tatic level umping leve umping rate Duration of to Distance from	9. 1	or bowls to g	ground le		· · · · · · · · · · · · · · · · · · ·
Wat	er Record					
Kind (fresh or mineral) fush Quality (hard, soft, contains iron, sulphur, etc.) hav Appearance (clear, cloudy, coloured) clu For what purpose(s) is the water to be used? during	d. en , anng	il.	Depth to Wa Horizon	(s) ter n(s) /	Kind of Water	No. of Feet Water Rises
How far is well from possible source of contamination? What is the source of contamination? Enclose a copy of any mineral analysis that has been made Well Log	••••••••••••••••••••••••••••••••••••••		· · · ·			
Overburden and Bedrock Record	From	To	T., 1°,	Locati		
And a mall and of grand,		240	well f dicate	From road north by	I and lot I y arrow. $X \xrightarrow{3} 0 \xrightarrow{0}$	ne. In
Situation: Is well on upland, in valley, or on hillside?	 	eane	9	touf	uíly S	
Drilling Firm. Address. Name of Driller. Date. FORM 5	·····	Addres	s	Mara A		· · · · · · · · · · · · · · · · · · ·

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Basin 24 The Ontario	Water Resou	rces Commi	ssion Act, 1957	ONTARIO RESCURCES (COMMISSION
WATE County or District VORK	R WE	LL R	Village, <u>Town</u> or	HITCHURCH - City WHIT	STOUFFVILLE CHURCH
		comp ess	Stouff	ville	year)
Cesing and Screen Record			Pun	iping Test	
Inside diameter of casing. Total length of casing. Type of screen. Length of screen. Hength of screen.		Static lev Test-pum Pumping Duration	el	10 74' 2 pus	G.P.M.
Depth to top of screen		Water cl	ear or cloudy at	end of test	lear
Diameter of finished hole 4/2		Recomm with	ended pumping pumping level of	rate 10 F 55	G.P.M.
Well Log			Wa	ter Record	
Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	No. of feet water rises	Kind of water (fresh, salty, sulphur)
place 1 A	<u></u>	45	<u>-73'</u>	0	fresh.
Clay Aland Streeps	45	75	• 		+/
- Aravel	75	88			-
tull Packer				-	
with 2" take a					
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For what purpose(s) is the water to be used? Is well on upland, in valley, or on hillside?	fillside	.] 7 . I	Loca in diagram below road and lot line	tion of Well show distances e. Indicate nort	of well from h by arrow.
Drilling Firm W. F. yartsho Address Shapen	i ie	with >		K 15rd	Core 10
Licence Number 619		· / U	LoT11	1 1 2 2 2 2 2 2	
Name of Driller Janues flice,	nan -				
Address			0170		13
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(Signature of Licensed Prilling Contractor	•)				il in
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GROUND 31036 (ER NOH NCH 1,3,8,41E 64 UTN: 1 Z ONTARIO WATE tario Water Resources Commission Act JACE'S Elev Basin County Township, Village, <u>Town</u> or or Date completed Ĵ **Pumping Test** Casing and Screen Record レ Static level Inside diameter of casing G.P.M. Test-pumping rate Total length of casing. Pumping level Type of screen Duration of test pumping Length of screen Mar Water clear or cloudy at end of test.... Depth to top of screen **2** G.P.M. Recommended pumping rate Diameter of finished hole feet below ground surface 27 with pump setting of. Water Record Well Log Kind of water Depth(s) at To ft. which water(s) found (fresh, salty, sulphur) From ft. Overburden and Bedrock Record 1 0 9 9 23 2 Location of Well For what purpose(s) is the water to be used? In diagram below show distances of well from road and lot line. Indicate north by arrow. 800 Is well on upland, in valley, or on hillside? 200 Drilling or Boring PicKERING 9 Lo1 IwP. Address Licence Number 1002 Name of Driller or Borer CON 9 CONIO Address Date (Signature of Licensed Drilling or Boring Contractor) Form 7 10M-62-1152 088.58 OWRC COPY

UT: 872 641 1000 E	urces (31D3 Commission Ac	ь t	69 №	safes
Elev 1 5 60 7 225 WATER WEL Basin 2 4 County or District York To Lot 12 120 Lot 13 120	ownshi ate cor	p, Village, <u>Tow</u> npleted	RD ^{WHIT} n or City (w 7 offwight	hr Toh May month	GG year) t.
Casing and Screen Record			Pumping	Test	
Inside diameter of casing 44 " Total length of casing 196 ' Type of screen 16 5 L o T Length of screen 4' 4 " Depth to top of screen 196 ' Diameter of finished hole 41'	Stat Test Pun Dur Wa Ree	ic level t-pumping rate pping level ration of test put ter clear or clou commended put	dy at end of t mping rate	est CLe 5' feet belov	G.P.M. S. G.P.M. ground surface
	wit	n pump setting		Water	Record
Well Log Overburden and Bedrock Record		From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
		01	21	190'	FRest
BROWN SAND		21	301		
DRY GRAVEL		301	80'		
STONES, SAND OCLAY		1001	190		
COWRSE SAND		1961	2001		
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 MCCAULEY but Tere buches Address 31 MACHELL Ave Auro	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	In diagram road and	Location h below show lot line. Inc 200 5 200	of Well distances of we dicate north by	ell from arrow.
Licence Number 2247 Name of Driller or Borer & Blaine two Caules Address 51 tracheel and Currow Date Man 11/66 W Blaine Two Cauley (Signature of Licensed Drilling of Boring Contractor) Form 7 15M-60-4138		107 I		CSS.S8	
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J.B. 6909140 714 6141 10101 TM 1512131 CODED Water Resources Commission Act Ontario lev. RECORD WHITCHURCH - STOUFFVILLE `osin 2 Township, Village, <u>Town</u> or City (County or District Date completed (day month year) ess F F Loca L. LA **Pumping Test** Casing and Screen Record Static level Inside diameter of casing Test-pumping rate G.P.M. Total length of casing Pumping level Stander Stal Type of screen Duration of test pumping + > Y Length of screen Water clear or cloudy at end of test Depth to top of screen Recommended pumping rate G.P.M. Diameter of finished hole Water Record Well Log Kind of water Depth(s) at (<u>fresh</u>, salty, sulphur) From which water(s) Overburden and Bedrock Record ft. ft. found En il Location of Well For what purpose(s) is the water to be used? In diagram below show distances of well from road and lot line. Indicate north by arrow. Is well on upland, in valley, or on hillside? Lalla. Drilling or Boring Firm Ling March 1 C. Marina crek muller Address Licence Number 2-2 2 1.1 ~ Name of Driller or Borer 10 12 11 12 12 LUT Address Minnak F f. f. lain Date..... (Signature of Licensed Drilling of Boring Contractor) LOTIZ C33.38 Form 7 OWRC COPY

6909165 EB 317/3年月 111714 16141/1012 5 CODED 418 1418171511146 |R |1111101 The Ontario Water Resources Commission Act iev. RECORDWHITCHURCH-STOUFFVILLE ATER • 12141 Termship, Village Town or City (Whit church าร่า County or District York APRIL 12 # the Date completed ress STOUF & UILLE ONT. **Pumping Test** Casing and Screen Record Static level 72 Inside diameter of casing 5/4 " L, p. A. Test-pumping rate 10 G.P.M. Total length of casing 92 ' finner of Pumping level 75 Type of screen GRAVEL Duration of test pumping 2HNS Water clear or cloudy at end of test CLEARLength of screen Depth to top of screen Recommended pumping rate 6 G.P.M. Diameter of finished hole 51/2 0, D. with pump setting of 84 feet below ground surface Water Record Well Log Kind of water Depth(s) at To ft. From (fresh, salty, which water(s) Overburden and Bedrock Record sulphur) found 26 0 68 26 フゥ 62 90 72 マラ 90 apart Location of Well For what purpose(s) is the water to be used? In diagram below show distances of well from 'ause road and lot line. Indicate north by arrow. Is well on upland, in valley, or on hillside? Myplance Drilling or Boring Firm P. H. Boadway Address Box 397 sutton nile Licence Number 3236 ۲٥ Name of Driller or Borer 7- Provel |Χ Address Seitton and Date. BLOOMINGKOH SIDERd Boadway (Signature of Licensed Drilling or Boring Contractor) LOT 10 Form 7 **CSS.S8** 5.c.10.B OWRC COPY

$\frac{Geimty}{2} = \frac{G_{4}}{1} +	a in Onterio prees Commi L RE ownship, Vill ate completer	age, To	D36 Act RD VHITCHUR wn or City day	CH-STOC Whitch	DFFVILLE year)
	ress	7 100			<u></u>
Casing and Screen Record			Pumping	Test	
Inside diameter of casing 7 Total length of casing $98'$ Type of screen $1 a$ alot Length of screen $4'$ Depth to top of screen $98'$ Diameter of finished hole 412	Test-pump Pumping Duration of Water clea Recomme with pum	bing rat level of test p ar or clo ended p up settin	te 5 y 0 umping budy at end of to umping rate g of 90	H est cle 5 feet belo	G.P.M. G.P.M. w ground surface
Well Log				Wate Depth (a) at	Kind of water
Overburden and Bedrock Record	Fro ft	om t.	To _ft.	which water(s) found	(fresh, salty, sulphur)
John day grovel Sand groupl	7	\$ \$ 0	55 70 102	98-102	untisted
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 Duilling Ittl. Address Annitage Licence Number 3953 Name of Driller or Borer O'Romke Address Annitage Date July 16/20 Date July 16/20 Signature of Dicensed Drilling or Boring Contractor)		n diagra	Location In below show I lot line. Ind -75'-?? Market Blooming	of Well distances of w dicate north by A. A. A.	ell from 7 arrow.
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JV. JER 1/1/1410 WATER WEL	L KECC	JKU	CHURCH	STOUFFVILLE
244 1 2 2 4 1 To	wnship, Village, To	own or City	Whitel	unch)
County or District 1 1 1 1 2 13 Da	te completed	G 1	F. 1	970
		(day	month Curran (1)	year)
	ress $\Im \mathcal{F} \circ c$	ett Villay		
Casing and Screen Record		Pumping	Test	
Inside diameter of casing 4"	Static level	100	۰	
Total length of casing 206	Test-pumping ra	.te	5	G.P.M.
Type of screen 12 also	Pumping level	20	0	
Length of screen $\frac{2}{4}$	Duration of test I	oumping	7 h	
Depth to top of screen 206	Water clear or cl	oudy at end of t	est	
Diameter of finished hole 4-incl	Recommended I	oumping rate	5	G.P.M.
	with pump settir	ng of 200	feet belo	w ground surface
Well Log			Water	r Record
Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
	0	2'	206-210	untested
B. St. Joy	2'	60'		
Bon goul	60	88		
Blue chay	165'	180'		
hardpon	180	204'		
sand & grand	204'	210'		
		<u> </u>		
For what purpose(s) is the water to be used?		Location	of Well	all from
Danistic	In diagra	and pelow show	licate north by	arrow.
Is well on upland, in valley, or on hillside? upland		No l		
Drilling or Boring Firm Wetter Well Dulley 24.		0/00/	th '	r
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Address avnetage	100	1/2	I mi-	1
	5010			
Licence Number 3903		\mathbf{F}		
Name of Driller or Borer , O' Kouche		<u><u> </u></u>		
Address amitage		RTOOWIN		• •
Date July 16 5 ? ?				
(Signature of Licensed Drilling or Boring Contractor)				
Form 7			000 59	
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		7.4.4	510 4 EL		RC. BASIN CODE		47
2	<u>10 / 72 4 /</u> LO	G OF OVERBURDEN A	ND BEDROCK	MATERIALS		DE	PTH - FEET
NERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERI	ALS		Salv fac	e O	18
prown	clay	Some	sands	\$	loose	18	' 39'
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AT - FEET	KIND OF WATER	DHMM. * MATERIAL INCHES 10-11 1 1 322110-11 1 □ STEEL 12	THICKNESS INCHES FROM	13-16		OF SCR	EEN FEET_
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20-23		17-18 1 STEEL 19		20-23	DET III DEI	MATERIAL AND TTPE	I FAD PACKER, ETC
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25-28 30-33	Image: Press of the second s	2 □ GALVANIZED 3 □ CONCRETE 4 □ OPEN HOLE 24-25 1 □ STEEL 26 2 □ GALVANIZED 3 □ CONCRETE 4 □ OPEN HOLE	5	27-30	FROM IO 10-13 14-17 18-21 22-25 26-29 30-33	80	
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The Ontario Water Resources Act Ministry of the ATER WELL R Environment 3103E 49 CON Ontario 16314269 1. PRINT ONLY IN SPACES PROVIDED 11 2. CHECK 🗵 CORRECT BOX WHERE APPLICABL TOWNSHIP 0|4 COUNTY OR DISTRU 1,14 DATE COMPLETED DA 04 YRZZ 10 мо 608 LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS) FEET DEPTH GENERAL DESCRIPTION FROM то OTHER MATERIALS MOST COMMON MATERIAL GENERAL COLOUR \mathcal{O} 40 C) 21 Grown 40 50 a TOUN 75 50 eyec 87 75 87 95 100 95 1/2 NWO 100 3 ww 131 湖 38 Ø roum 17 005060518 007560511128 0087628 0100628 6095Q1 (R)1 0040028 CASING & OPEN HOLE RECORD 5 1000 03' WATER RECORD SCREEN 01 DEPTH AT - FEET WALL THICKNESS KIND OF WATER INSU MATERIAL FROM то 135
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71 PUMPING TEST METH	OD IO PUMPING RATE	11-14 DURATION OF PUNPING		LOCATION OF W	VELL
STATIC LEVEL	WATER LEVEL 25 END OF WATER L	EVELS DURING	IN D	IAGRAM BELOW SHOW DISTANCES OF V LINE. INDICATE NORTH BY ARROW.	NELL FROM ROAD AND
LEST C.	70 / 24-31	30 MINUTES 45 MINUTES 60 MINUTES	, F		
S IF FLOWING	FEET FEI 38-41 PUMP INTAKE	ET FEET FEET FE SET AT WATER AT END OF TEST	ET.		
RECOMMENDED PUM	GPM P TYPE RECOMMENDE	T ⊃ FEET 1 CLEAR 2 CLOUD 0	Y		
G SHALLOW	DEEP PUMP SETTING	15 FEET RATE 10 GF	>м		
	A CHATER SUPPLY	S ABANDONED, INSUFFICIENT SUPPL			/ D
STATUS	2 OBSERVATION WEL 3 TEST HOLE	L 6 ABANDONED, POOR QUALITY 7 UNFINISHED		150' 001	U F
SS-9	4 RECHARGE WELL	S COMMERCIAL		N/ IT	11
WATER	2 STOCK 3 IRRIGATION	6 HUNICIPAL 7 PUBLIC SUPPLY 8 COOLING OR AIR CONDITIONING		E A NOI	0
USE		•		400' 🗮	()
METHOD	CABLE TOOL	BORING TIONAL) 7 DIAMOND			
	I ROTARY (REVERSE A ROTARY (AIR) AIR PERCUSSION			RKS BLOOMINCTON	RO
NAME OF WELD CO	ONFRACTOR	Y I I LICENCE NUMBER		SE CONTRACTOR 59-62 DATE RE	ינכבויצבם 1111 24 1097 ייי וייי
	ison fer	aper where 575		PECTION	JUL 2 1 130/
NAME DE ORILLEE	4 X Tory	Light Light CE NUMBER			<u></u>
	m K-la	1000 1-033 SUBMISSION DATE			
Will	ian Will	281 DAY NO YR	- -	<u></u>	
MINISTRY OF	THE ENVIRONME				FORM NO. 0506-4-77 FORM

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Mini	istry	. ,		The C	Ontario W	Vater Resourc	es Act		
Envi	ironment		WAT	ER	WE	ELL I	REC	;OF	RD
Ontario	1. PRINT ONLY IN	SPACES PROVIDED	11	69203	26	NUNICIP			0.9
COUNTY OR DISTRICT	2. CHECK 🖄 CORR	TOWNSHIP, BOROUGH.	E 1 CITY, TOWN, VILLAGE		CON B	10 14 BLOCK. TRACT. SURVEY	ETC	LOT	22 23 74
V A IC	V	<u>un la </u>	RCh F S/	ouppin	11 7		DATE COMPLETED	48-5	// 588
		/ /	5704	ELEVATION	*C	BASIN CODE	DAY 24	40 <u>/0</u>	YR.
<u> </u>	¥ 10 12	17 18		26	30	<u></u>			
·	LC	G OF OVERBURD	EN AND BEDR	OCK MATERIA	LS (SEE INS	STRUCTIONS		DEPTH - FE	ET
GENERAL COLOUR		OTHER	MATERIALS		GENERAL	DESCRIPTION		ROM	TO
Brown	6-124	1-161 F							271
RILL	GLAU	<u>/~/)</u> e			<u>, , , , , , , , , , , , , , , , , </u>			21.	80'
BLUS	SINd	GORTS	þ		·	·····	R	0' 9	771
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31									
								VA. VA LENG	75 80 TH 19-40
41 WATER FOUND	KIND OF WATER	INSIDE	8. OPEN HOLE	DEPTH - FEET		10	6		FEET
VK 10-15	FRESH 3 SULPHUR SALTY 4 MINERALS	INCHES	INCHES F	RUM TO 13-16		55	DEPT OF SC	H TO TOP	41-44 30 FEET
15-18 1	6 GAS	2 GALVANIZEI 3 CONCRETE 4 COPEN HOLE 5 DPLASTIC		5 79	61	PLUGGING	& SEALING	RECORD)
20-23	$\begin{array}{c c} & \text{SALIT} & 6 & \Box \text{ GAS} \\ \hline & \text{FRESH} & 3 & \Box \text{SULPHUR} \\ \hline & 4 & \Box \text{ MINERALS} \end{array}$	17-18 1 STEEL 2 GALVANIZE 3 GALVANIZE	19 .D	20-23	DEPTH SE FROM	TAT - FEET M	ATERIAL AND TYPE	CEMENT G	ROUT R. ETC 1
25-28 1 C	_ SALTY 6 □ GAS _ FRESH 3 □ SULPHUR 29 4 □ MINERALS	4 DOPEN HOLE 5 DELASTIC	E	27-30	0.10-11	12 ···· Bo	en seaf	<u>t</u>	
30-33 1 C] SALTY 6 □ GAS] FRESH 3 □ SULPHUR ³⁴ 10 4 □ MINERALS	1 DSTEEL 2 DGALVANIZE 3 DCONCRETE 4 DOPEN HOLI	D .		26-21	30-33 80	Mo	LE14	uf
PUMPING JEST MET	THOD 10 PUMPING RATI	5 DPLASTIC	OF PUMPING						
71 1 PUMP	2 BAILER 15	<u>GPM</u>	15-16 17-18 HOURS M1%5	(N D)/	AGRAM BELOV	w show distances	OF WELL FROM	ROAD AND	
STATIC LEVEL	END OF WATER L PUMPING 22-24 15 MINUTES	EVELS DURING Z	C RECOVERY	LOT L	INE INDI	CATE NORTH BY ARI	NOW.		
1 5 1 m	80 FEET 60 FE	ET 74 FEET 8	32-34 35-37 FEET 70 FEET				/		
	38-41 PUMP INTAKE	SET AT WATER AT	END OF TEST 42		TIN	1	IX		
	NP TYPE RECOMMENDED	A3-45 RECOMMEN PUMPING FEET RATE	IDED 46-49		V 11.				
60-\$3									AI I
FINAL	2 OBSERVATION WE	S ABANDONED, I .L S ABANDONED P	NSUFFICIENT SUPPLY POOR QUALITY						
OF WELL	A C RECHARGE WELL		- Mart - 14 - 2000		5			,	
WATER	1 DOMESTIC 2 STOCK 3 REIGATION	5 COMMERCIAL 6 MUNICIPAL 7 PUBLIC SUPPLY			540'		1- 1 00 (
USE	4 D INDUSTRIAL**	COOLING OR AIR C	ONDITIONING NOT USED		14100	≼'ه			
METHOD	57 1 CABLE TOOL	• 🖾 BORIN	NG	BLO	SARA	TON /	- Hw	y47	-1
OF	2 CONVEN 3 ROTARY (CONVEN 3 ROTARY (REVERSE ON 4 ROTARY (AIR)	(IONAL) 7 ☐ DIAMO) ■ ☐ JETTI 9 ☐ DRIVI	OND NG NG		2474	[/		431	90
	S AIR PERCUSSION			DRILLERS REMAR	кs	/			
E Gorn	CONTRACTOR MERY WELL	Drilling	LICENCE NUMBER		51 2	2407	ATE RECEIVED	1989	63-68 80
TO PARESS	Richm	nd 1-Tire	¥ *			INSPECTOR			
HIN OF WEL	RISHNICIAN	4	WELL TECHNICIAN'S			I		<u>_</u>	
U SIGNATURE OF	TECHNICIAN/CONTRACTOR	SUBHISSION DAT		OFFI		, <i>m</i> - ²			
MINISTRY	OF THE ENVIRON	MENT COPY		I L			FORM N	0. 0506 (11/8	36) FORM 9

Ministry of the	mont	W	ATE	The Or	ntario Wa	ater Resourc	es Act	со	RD
Ontario	1. PRINT ONLY IN SPACES	PROVIDED 11	6	92270	09	MUNICIP 69009		N	10
COUNTY OR DISTRICT	2. CHECK 🖄 CORRECT BO	WINSHIP, BOROUGH, CITY TOWN	ALLAGE	uch	CON BLC	CEN /		L	
		O la	147		 			ETED 7	•-53 ув 94
									1V
	LOG C	F OVERBURDEN AND	BEDROCK	MATERIAL	S (SEE INST	RUCTIONS		DEPTH	FFFT
GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS			GENERAL	DESCRIPTION		FROM	TO 18
Braun	Clay	sand			<u></u>			18	32
	gravel							32	37
11 0	Isand_			co	ard	-		31	46
11 Braum	11 A man of	clay_			mAD			51	64
arour .	Samo								
			4 1 1 1						
1 2 10 14 10 [41] WATER	RECORD 5	CASING & OPEN	HOLE RE			P OPENING	31-33 DIAMET	INCHES	S FEET
WATER FOUND AT - FEET NO-13	ND OF WATER	AM MATERIAL THICK HES INCH	NESS FROM	TO 13-16		L AND TYPE SS		DEPTH TO TOP OF SCREEN	41-44 30 FEET
	TY 6 GAS ESH 3 GAULPHUR 4 MINERALS	4 GALVANIZED 3 CONCRETE 4 OPEN HOLE 5 PLASTIC	88 0	61	61	PLUGGIN	G & SEAL	ING RECO	RD
20-23 1 _ FRI 2 _ SAI	$\begin{array}{c c} & & & & \\ \hline & & & \\ \hline \\ \text{ESH} & 3 & & \\ \hline & & & \\ \text{SULPHUR} \end{array} \begin{array}{c} 24 \\ \hline \\ & & \\ \hline \\ \text{MINERALS} \\ \hline \\ \hline \\ \text{LTY} & 6 & \\ \hline \\ & & \\ \hline \\ & & \\ \hline \end{array}$	17-18 1 STEEL 2 GALVANIZED 3 CONCRETE 4 DODON WOLD		20-23	FROM		TATERIAL AND	TYPE LEAD PA	NT GROUT ACKER, ETC >
25-28 1 _ FRI 2 _ SAI	ESH 3 SULPHUR 4 MINERALS LTY 6 GAS	24-25 26 2 -		27-30	18-21	22-25	seque	urg	
30-33 1 _ FRI 2 _ SA	SH 3 SULPHUR 34 00 4 MINERALS LTY 6 GAS	3 CONCRETE 4 OPEN HOLE 5 OPLASTIC			26-29	30-33 80			
71 PUMPING TEST METHOD 1 D PUMP 2 0	10 PUNPING RATE	11-14 DURATION OF PUMPING GPM	0 0 17-18 HUNS		LO	CATION O	FWEL	L	
STATIC WA LEVEL 3	TER LEVEL 25 END OF WATER LEVEL PUMPING 22-24 IE MUNUTES 1.3	1 ☐ PUMPH 5 DURING 2 ☐ RECOVI 2 ☐ RECOVI		IN DIA LOT LI	GRAM BELOW	ATE NORTH BY AF	S OF WELL	FROM ROAD A	
SI 30 FEET .	55 4510 FEET FEET	50°-31 55 32-34 FEET FEET	557))	4			Ņ	
C GIVE RATE	GPN SI AL	FEET 1 Declear 2	CLOUD	-	77			<i>)</i>) /	/
	PE RECOMMENDED PUNP SETTING	SI-43 RECOMMENDED PUMPING FEET RATE	Сарм		2 0-	¥.			
EINAL 34	1 WATER SUPPLY	S 🗌 ABANDONED, INSUFFICIEN	T SUPPLY	4	150	15			
STATUS OF WELL	2 OBSERVATION WELL 3 I TEST HOLE 4 RECHARGE WELL	ABANDONED POOR QUALIT UNFINISHED DEWATERING	TY .	LINCO	N V	iLLE	LANE		
55-56	DOMESTIC S	COMMERCIAL MUNICIPAL					14		
USE	A IRRIGATION 7 A INDUSTRIAL 8 OTHER	COOLING OR AIR CONDITIONIN COOLING OR AIR CONDITIONIN NOT USED	IG				X		
sy METHOD	CABLE TOOL	BORING DIAMOND			\langle	/ H'			
	3 🔲 ROTARY (REVERSE) 4 🗋 ROTARY (AIR) 8 🔲 AIR PERCUSSION	JETTING JETTING DIRIVING DIGGING 03	THER	DRILLERS REMAR	"			14	1506
NAME OF WELL CONT		WELL CONT			54 CO	4 5 9		1 2 199	63-68 80
	ta maria	No Pro		DATE OF INSPE	CTION	INSPECTOR			· •
ALL NAME OF WELL TO	ECHINIQUAL NOMANO	WELL TECH	HNICIAN'S			<u> </u>			
	HINICIAN/CONTRACTOR	SUBMISSION DATE		OFFI					
MINISTRY OF	THE ENVIRONME	NT COPY					FO	ORM NO. 0506	(11/86) FORM 9

Ministry of Environment and Energy		The	Ontario Wate WATER WI	er Resources Act ELL RECORD
Print only in spaces provided. Mark correct box with a checkmark, where applica		6923698	Municipality	Con. COIN 15 22 23 24
County or District	Township/Borough/City Address	Town/Village Whitchurch Pi	Con block tract s	ed day month
	Northing	RC Elevation RC	Basin Code i	iii iv
LOG C	OF OVERBURDEN AND BEI Other materials	DROCK MATERIALS (see instruc	tions)	Depth - feet
Brown Sppsail	ß			\mathcal{O} \mathcal{Q} \mathcal{Q}
11 Sand	lay			12 24
11 gravel	8			24 68
Brown !!		coars	و	75 83
x .			· · · · · · · · · · · · · · · · · · ·	
21	· · · · · · · · · · · · · · · · · · ·			
31 32 10 14 15 21 21 21 21 32				
41 WATER RECORD 51 Water found at - feet Kind of water fiches	Material Wall Wall thickness inches	Depth - feet	and type	5 inches 3 feet
75 ¹⁵ 1 Green 3 Gas 10 ¹⁵ 1	1 General Concrete 2 Galvanized 3 Concrete 4 Open hole	0 80 8	Ŝ	80 feet
2 Salty 4 Minerals 7	5 Plastic 1 Steel 19 2 Galvanized 3 3 Concrete	20-23 61	PLUGGING & SEA	ALING RECORD
25-28 1 Fresh 3 Sulphur 29 2 Salty 4 Minerals 2 Salty 6 Gas 24.25	Open hole Den hole	27-30 From 7 18-21	2017 Barrise	- Holeplus
30-33 1 ☐ Fresh 3 ☐ Sulphur 34 60 2 ☐ Salty 6 ☐ Gas	3 □ Concrete 4 □ Open hole 5 □ Plastic	25 29	30-33 80	
Pumping test method 10 Pumping rate 11 71 Pump 2 Bailer GP GP Static local Water level 25 Water level 25	M Duration of pumping	LC In diagram below show	CATION OF WELL	m road and lot line.
Static rever end of pumping Water revers during 5557 75° 24 15 minutes 30 minutes 70° 20 70°	45 minutes 3-31 75 32-34 60 minutes	Indicate north by arrow		
feet feet <th< td=""><td>feet feet Water at end of test 42 eet Image: Cloudy</td><td></td><td></td><td></td></th<>	feet feet Water at end of test 42 eet Image: Cloudy			
Recommended pump type Shallow Greep Recommended for the pump setting fet for the pump set for the pump s	45 Recommended 46.49 pump rate // GPM			39
FINAL STATUS OF WELL 54 1 G-Water supply 5 Abandoned, insufficier Cheervation well 6 Abandoned, poor qual	nt supply 9 🗌 Unfinished ity 10 🗌 Replacement well	i /		
3 Test hole 7 Abandoned (Other) 4 Recharge well 8 Dewatering	· · · · · · · · · · · · · · · · · · ·		X€	40 744
WATER USE 55.56 1. G-etomestic 5 Gommercial 2 Stock 6 Municipal 3 Irrigation / Public supply	9 🗌 Not used	IEN I		DUR
Industrial B Cooling & air condition METHOD OF CONSTRUCTION	11ng			
: G-Arbite tool 5 Air percussion 2 Rotary (conventional) 6 Boring 3 Rotary (reverse) 7 Diamond 4 Rotary (air) 8 Jetting	9 Driving 10 Digging 11 Other	BL	oo mingto	66903
Naging Well Gentractor	Well Contractor's Licence No 5459	Data 58 Contractor source 58	159 50.62 Da	te received 1 1996
Narger Well Technician	Well_Technician's Licence No	Date of inspection	Inspector	
Signature of Dechnician/Contractor	TO 339 Submission date 96			
2 - MINISTRY OF ENVIRONMENT	ay mo yr	ال م الي المالي الم Y		0506 (07/94) Front Form 9

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Ontario Ministry of the Environment		The Ontario Wat WATER W	er Resources Ad IELL RECORI
Print only in spaces provided. Mark correct box with a checkmark, where applicab	ble. [11]	6925399 Municipality	Con CONLLLIIO9
County or District	Township/Borough/City/Towg/Vill	age Stouffall Con block tract su	urvey, etc. Lot 9 12 led 9 6 00
	Northing		ii vien version versio
LOG OF	OVERBURDEN AND BEDROCK N	MATERIALS (see instructions)	Depth - feet
General colour Most common material	Other materials		From To
Brown & Lay		Salt	1 19
Dray 11			1921
Brown gravel	stongs		2/24
11 clay	Sand	(m , ,)	50 50
Il graver	rand	Clarbe	58 74
H silt		fine	74 100
Brown sand		fine	100 108
	e		
31			
31 WATER RECORD 51 Water found Kind of water Inside	CASING & OPEN HOLE RECOP	Sizes of opening 11-33 Diam (Slot No.)	eter 34-38 Length (14)
at - feet Vulte of Watch inches	Material inches From	To Material and type	Depth at top of screen
15-15 C Sany C Gas	Concrete		
20 24 Salty ,, Gas	Steel Galvanized	61 PLUGGING & SEAL	Abandonment
25 24 7 Gas	Concrete Open hole Plastic	From To Material and type	e (Cement grout, bentonite, etc.)
a □ Salty a □ Gas and a subplur of the subplur of	1 Steel 25 2 Galvanized 3 3 Concrete 3	19737	
☐ Healt 2 ☐ Minerals ☐ Salty 6 ☐ Gas	Open hole Plastic	25.29	
71 Pumping test method 19 Pumping rate 11-14 9 Pump 2 GPM GPM	Duration of pumping	LOCATION OF WELL	om road and lot line
Static level end of pumping Water levels during	Pumping 2 Recovery 45 minutes 60 minutes	Indiagram below snow distances of well includicate north by arrow.	shi toau anu lot iine.
$\begin{bmatrix} \mathbf{J} \\ 5 \\ 5 \\ 5 \\ 5 \\ \mathbf{feet} \end{bmatrix} \begin{bmatrix} 75 \\ 10 \\ 5 \\ 10 \\ \mathbf{6et} \end{bmatrix} \begin{bmatrix} 75^{\circ} \\ 75 \\ \mathbf{6et} \end{bmatrix}$	$\left \frac{75^{234}}{15^{6et}} \right = 75^{53}$	N A	
If flowing give rate GPM 75 tee	Water at end of test 42 et S. Clear Cloudy	1	m
Recommended pump type Recommended Precommended Precommen	Precommended 46-42 pump rate GPM	$\sqrt{\epsilon}$ (3) \rightarrow	1 5
		X = 150 - 1	L L
HWATE Supply Abandoned, insufficient s Observation well Abandoned, poor quality Abandoned (Other)	supply ^{- 3}	ľ	uR L
4 Gescharge well 6 Gescharge well 6 Gescharge well		2 KM	2 2
WATER USE 55-36 1 Domestic 5 Commercial 2 Stock 6 Municipal	9 Not use 10 Other		l l
3 Irrigation 7 Public supply 4 Industrial 8 Cooling & air conditionin	g	V	
		LOOMINGTON	
Rotary (conventional) Carrow (conve	Digging		211695
		Data 58 Contractor 59-00 Date	received 53-66 [93
Wilson water wat	THE CONTRACTOR S LECENCE NO. AND S	iource 5459	JN 2 0 2000
13787 HWYY8 to	uffuelle 3		
Namo of Well Technician	Vell Technician's Licence No.	nemarKS	CSS ESA
Signature of Jechnician/Contractor	Submission date day/2 mo6 yr00		~55.E9V
2 - MINISTRY OF THE ENVIRO			0506 (11/98) Front Form

(ଙ୍କ) Ontario	Ministry of the Environment	Well Tag Number	a. 016	0.36	Regulation 903	Well	Record
	and Enrorm	AOIG	036			pa	ge of
 For use in the Prov 	ince of Ontario only. Th	is document is a perm	nanent legal	locument. Ple	ease retain for futur	e reference.	k of this form.
 All Sections must be Questions regardin 	e completed in full to ave g completing this applica	tion can be directed to	the Water W	/ell Managem	ent Coordinator at	416-235-6203.	
 All metre measure Please print clearly 	in blue or black ink only.			C0	Ministry Use	e Only	от
Well Owner's Informa	Last Name	Well Information	ailing Address	(Street Number	r/Name, RR,Lot,Conc	ession)	
County/District/Municipality	22 North Townsh	ip/City/Town/Village	Prov	vince Postal	Code Tele	phone Number (in	clude area code)
Address of WebLocation (County/District/Municipality)	Τα	ownship	tario	Lot	Conces	sion
RR#/street Number/Name	con THO		City/TownVille	ge A	M Site/Compa	3 artment/Block/Trac	ct etc.
GPS Reading NAD	Zone Easting	n. Northing	Unit Make/Mo	del 0 Mode	of Operation: Und	lifferentiated	Averaged
	17 640954 nd Bedrock Materials	(see instructions)				erentiated, specify	
General Colour Most co	immon material	Other Materials		General	Description	Deptr Fron	n <u>Metres</u> n <u>To</u>
Glack Top	Soil	- 1.				0	, 5
Brown C	ton + C: A	Sandly -		Dres		7	31
Brown Sar	d + Grovel	•				31	34.7
					· · · · · · · · · · · · · · · · · · ·		
	<u> </u>	Construction Re	cord		Te	st of Well Yield	<u> </u>
Depth Metres Dia	meter Inside	Wall	Depth	Metres	Pumping test method	Draw Down Time/Water Level	Recovery Time Water Level
From To Cent	imetres diam ^{Ma}	terial thickness centimetres	Frøm	То	Pump intake set at -	min Metres	min Metres
6 2471	55	Casing			(metres) Pumping rate -	Level 24.3	1
0 1.1		Concrete	10	228	(litres/min) 96 pm		
Water Record	Vater Galvan			///0	hrs + mi	n	2
m Fresh	Sulphur Plastic				Final water level end of pumping metre	3 s	3
Other:	Galvan	Ized			Recommended pump type.	p 4	4
Gas Salty	Ainerals				Recommended pump depth. metre	5 s	5
m Fresh	Sulphur	Screen		· · · · · · · · · · · · · · · · · · ·	Recommended pump rate.	2 10 15	10
Gas Salty I Other:	Ainerals Outside Steel diam Plastic	Fibreglass Slot No.	7	2117	(litres/min) If flowing give rate -	20	20
After test of well yield, wate	r was 15.7 Galvar	nized , 0/4	33.8	27.1	(litres/min) If pumping discontin- ued, give reason,	30	30
Other, specify		No Casing or So	reen			40 50	40 50
Chlorinated Yes	No Open I	hole		r		60 28.1	60
Plugging Depth set at - Metres Mater	and Sealing Record	t cement slurry) etc. Vol	Abandonment ume Placed	In diagram belov	w show distances of well	from road, lot line, a	and building.
From To	Holeplus	16	Bags	Indicate north by	y arrow.	ſ	
		<u> </u>			N A	(
						×201	
					алан 1917 - Алан	1	Pullor
	Method of Constru Rotary (air) [Diamond	Digging	and the second s		Kon 10 ++	- 50
Rotary (conventional)] Air percussion [] Boring [Jetting Driving -	Other				
	Water Use	Public Supply	Other	BLoom	ington Ro	1 1	
Stock]Commercial []Municipal [Not used		Audit No. 🛶	000E7 B	ہ Pate Well Completed	Y MM DD
	Final Status of V	Vell Unfinished Aba	doned, (Other)	Was the well o	wner's information	Pate Delivered Y	YYY MM DD
Observation well Ab Test Hole Ab	andoned, insufficient supply [andoned, poor quality [Dewatering Replacement well		package deliven	ed?		
Name of Well Contractor	lel Contractor/Technician	Well Contractor	s Licence No.	Data Source	Ministry U	Contractor 54	59
Business Address (street na	number, city etc.)	5450	1	Date Received	1YOY 2011 DD C	Date of Inspection	
Name of Well Technician (la	4 4 8 Starf st name, first name)	brill ont Well Jochnician	's Licence No.	JAN Remarks	1 3 4003 V	Vell Record Number	
Signature of Technican/Cor	itractor	Date Submitted y	YY MM DD	4. 18 Book - 18			
0506F (09/03)	Contractor's	s Copy ∏ Ministry's Co	py	ner's Copy 🗌	Cette	formule est dispo	onible en français

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nstructio	s for Comp	leting For	'n		A001501		an search an				page _	of _
For use	in the Provi	nce of Ont	ario only. Th d in full to avo	is docum	ent is a perma	anent lega 2. Further i	I document. Pl nstructions and	ease retain for fu	ture ref available	erence. e on the b	ack of	this for
Questi	ons regarding	completing	g this applicat	tion can b	be directed to	the Water	Well Managen	nent Coordinator	at 416-2	235-6203	3.	
Please	print clearly i	n blue or bl	ack ink only.		u a mere.			Ministry	Jse Onl	y	г-	
/ell Own	r's Informa	tion and L	ocation of	Well Info	ormation					<u> </u>	LOT	
rst Name	York R	Lasti	Name		Mai C/	Ing Addres	s (Street Number rer Hins	Ltd 1091	G orh	am St		
ounty/Distri	ct/Municipality		Townshi	p/City/Tow	/n/Village	Pr	ovince Posta	I Code T	elephone	e Number	(include	e area c
dress of W	ell Location (C	ountv/Distric	t/Municipality)	<u>narko</u>	Tow	nship			ot	Conc	ession	
- 476T		· · · · · · · · · · · · · · · · · · ·		· ·	Wh	itchur	ch-Stouf	fville	10	9 at/Blook/T	ract of	
R#/Street	umber/Name	Lane				/ity/Town/Vi	llage	Sile/Col	iparunei			u.
PS Readin	g NAD	Zone E	Easting	Nort	hing l 274632	Jnit Make/M	lodel Mode	of Operation:	Jndifferent Differentiat	tiated ted, specify	Avera	aged
og of Ov	erburden an	d Bedrocl	k Materials	(see ins	tructions)	NAXETI	. G. 41					
eneral Colo	r Most cor	nmon materia	al	Other Ma	aterials		Genera	I Description		De Fr	pth om	To
ack	Торво	11								0		2
own	Silty	clay &	§ gravel	L						2	_	11
own	Silty	sand &	a grave]	L trac	ce clay			· · · · · · · · · · · · · · · · · · ·		-	1 T	21
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own	Sand	& grave	- <u>o</u> ,		an a	_			<u></u>	3	7	94
ey	Siltv	sand	8004	2 9741	rel		water	Dearing		9	4	11
ey	sand	& grave	el				water.	bearing		1	10	11
ey er	sand	8 0		le gre	ivel		water 1	earing		1	13 26	
c j Hol	e Diameter			Cons	struction Reco	rd			est of V	Vell Yield		
Depth	Metros Diam	eler Insi	de Mat	erial	Wall	Depth	-Metreff-	Pumping test meth	od Dr Time	aw Down Water Lew	R Time	Water
0	137 6	diai	etres		contimptres	From	То	Dumn intoles ant -	min	-Metres	min	Metr
		Inc	~~ · · ·	· · · · · · · · · · · · · · · · · · ·	Casing			(metres)	Level	39		
			t X Steel	Fibreglass		1.3	107	Pumping rate - (litres/min)	1		1	
Wa	er Record	<u>+</u> *	Plastic	Concrete	SCH 40	7.3	107	Duration of pumpin	g 2		2	
ater found Metres	Kind of Wa	iter	Steel	Fibreglass				Final water level e	mini nd a		2	
m Gas	Fresh Su Salty Mir	lphur herals	Plastic	Concrete				of pumpingme	res			
] Other:	· · · · · · ·			Fibreglass				type.			4	
m Gas	Fresh Su Salty Mi	iphur nerals	Plastic	Concrete				Recommended pu	mp 5		5	<u> </u>
] Other:			Galvaniz	red	Screen			Recommended put	res TTP 10		10	
Gas	Li ⊢resn Li Su Salty Di Mi	nerals Outs	ide Visteel	Fibrealass	Slot No			rate. (litres/min)	15		15	
Other:	ell vield water v	dia vas	m Plastic	Concrete		107	137	It flowing give rate (litres/min)	- 20		20	
Clear and	sediment free	Ĩ 2'	H Galvaniz	ed	SCH 40			If pumping discontin	- 30		30	
Other, sp	cify		t .	No (Casing or Scre	en			40		40	
nlorinated	Yes 🗌 No		Open ho	ble		· · · ·			60	42	60	
	Plygging a	nd Sealing I	Record	M Annula	ar space 📋 Ab	andonment		Locatio	on of We	əll		
epth set at From	Metro Material	and type (bento	onite slurry, neat o	ement slum	y) etc. Volum (cubic	e Placed metres)	In diagram below Indicate north by	w show distances of w v arrow.	ell from fo	ad, lot line	and bu	uilding.
37	103] Si	lica 🛐	and			. ÷ .			· .	in an tairin Tairin	11	J
03]	97 Be	ntonit	e Chips					Rloomik	nator	n - 2 × 4 − ∩		•
97	2 <u>Be</u>	ntonit	e Slurry	<u>y & C</u>]	hipa			Piece	<u>ي</u> .	-	F	
<u> </u>		ment	· ·								12	no
		Method	l of Construc	tion		-		lincolnv	illel	ano		
Cable Tool Rotary (co	ventional)	Rotary (air) Air percussion		Diamond Jetting		Digging Other						
Rotary (rev	erse)	Boring	/	Driving	بي 		. 1					
Domestic	 	ndustrial	Water Use	Public Sun	ply 🗖	Other						
Stock			×	Not used	air conditioning			40000	Date We	Complete	d	
myation		Final	I Status of We	ell	Sin CONTINUONING			18670		20	Ő	12
Water Sup	ply 🗌 Rech	arge well		Unfinished	Abando	ned, (Other)	Was the well ov package deliver	wner's information	Date Deli	ivered	YYYY	MM
Observatio	n well 📋 Aban 🗌 Aban	doned, poor qu	aent supply	Replaceme	int well				Lies Or	lv.		<u>ا</u>
ame of Mal	We	I Contracto	r/Technician	Informati	on Vell Contractor's L	icence No.	Data Source	Ministry	Contract	or n C	6	2
.Hart	& Sons	Well	Drillin	s Leta	T-2662		n Date Doort	х. 	Data st 1		U	
isiness Add	ess (street name ox 850	, number, city Fenelo	etc.) n Falls	Onta	ario		Date Received	R ^{**} 2 U 2005	Date of Ir	ispection	YYYY	MM
ame of Well	Technician (last	name, first nan	ne)	/ N	Vell Technician's L	icence No.	Remarks	• • • • • • • • • • • •	Well Red	cord Numbe	F	entrik i i i
mal SO	echnician/Contra	ctor		Da	ate Submitted			#1				
ignature a		and the second se	Martin 1980						1			

@ 0	ntario	Ministry of the Environment	Well Tag Number	A 00	1502	Regulation 90	3 Ontario	Well R	ecord
Instruction	s for Comple	ting Form	A0015	02				page _	of
 For use All Sec Questic All met 	in the Provin ctions must be considered on the second s	e of Ontario only. The ompleted in full to avo ompleting this application shall be reported by the only.	is document is a pe oid delays in proces ion can be directed it to 1/10 th of a met	rmanent lega sing. Further i I to the Water re.	I document. Plo instructions and Well Managem	ease retain for futur explanations are ava nent Coordinator at Ministry Us	e referer ailable on 416-235 e Only	nce. the back of -6203.	this form.
Well Owne	r's Information	on and Location of	Well Information	MUN	СО			LOT	
First Name	Region	Last Name		Mailing Addres	s (Street Numbe zer Hins	r/Name, RR,Lot,Conc Ltd 1091 G	ession) orham	St	
County/Distri	ct/Municipality	Townshi Newn	o/City/Town/Village	Pr	ovince Posta Ditario	Code 7V1	phone Nu	Imber (includ	e area code)
Address of W	ell Location (Cou	nty/District/Municipality)		Township Whitchu	rch-Stouf	fville I	0	Concession 9	HINAUL I Sameronan ann ann ann ann ann ann ann ann ann
RR#/Street N	umber/Name			City/Town/V	illage	Site/Compa	artment/Bl	ock/Tract et	C.
GPS Reading	NAD	ARE Zone Easting	Northing	Unit Make/M	lodel Mode	of Operation: Unc	lifferentiated	Avera	aged
Log of Ove	8 3 Prburden and	Bedrock Materials	see instructions	nager.			arentiated, s	реску	
General Colo	r Most comm	on material	Other Materials		General	Description		Depth From	Motors To
Black	Topsoi	1				• • •		0	2
Brown	Silty Stity	Clay & Grave	1 1 Trace Cl	av				13	19
Brown	Silty	sand & Grave	1	• · ·				19	28
Brown	Silty	sand & Grave	1 Trace C1	ay	·	· ·		28	38
Brown	Sand &	Gravel		· · · · · · · · · · · · · · · · · · ·	water bea	aring	. 1	38	65
		· · · ·							
	:	· · · · · · · · · · · · · · · · · · ·							
Hole	Diameter Diamet	er	Construction R	ecord		Tes	t of Well	Yield Down R	ecoverv
From	To Gual	diam Mate	erial thickness	Depth	To		Time Wat	er Level Time	Water Level
0	65 6"		Casing			Pump intake set at -	Static	39	
		2 II X Steel	Fibreglass Sch	10		Pumping rate -		1	
Wat	er Record	Galvaniz	Concrete	+3	50	Duration of pumping	2	2	
Water found at Metres	Kind of Water		Fibreglass	· · · · · · · · · · · · · · · · · · ·		Final water level end	3	3	
Gas	Sulph Sulph	als Galvaniz	d Concrete			of pumpingmetres			
Other:	Fresh Sulph	ur Steel	Fibreglass		·	type. Shallow Deep	×	4	
Gas	Salty Miner	als Galvaniz	ed			depthmetres	5	5	
m [Fresh Sulph	ur als Outside Stores	Screen	Jähningen (1997) (* 1997) Augusta (* 1997) (* 1997) (* 1997) (* 1997) (* 1997) (* 1997) (* 1997) (* 1997) (* 1997) (* 1997) (* 1997) (* 1		Recommended pump rate.	10	<u> </u>	
Other:	all viold water wa	diam Plastic	Concrete	40	65	If flowing give rate -	20	20	
Clear and	sediment free	2 Galvaniz	ed sch	40 40		If pumping discontin- ued, give reason.	30	30	
Other, spe	cify		No Casing or S	creen			40 50	40	
Chlorinated	Yes No						60	60	
Depth set at -	Metres Material and	Sealing Record	ement slurry) etc.	Abandonment	In diagram below	Location show distances of well f	rom road, I	ot line, and bu	ilding.
65	37 Sili	a Sand	(6)		Indicate north by	arrow.			N
37	21 Bent	onite Chips		<u></u>		Blooming	20-		
21	0 Cemei	nt starry							10,00
	· · · · · · · · · · · · · · · · · · ·					· · · · · · · · · · · · · · · · · · ·	10	000	
Cable Tool	K Rota	Method of Construct	ion Diamond		0	linconvi	TICT	arve -	
Rotary (con	ventional) Air		Jetting Driving	Other					
		Water Use		·					
Domestic		istrial mercial	Public Supply Not used	Other			t- 14/- 11 - O	. Starten	8 . L
	Mur	Final Status of We	cooling & air conditioning	J	Audit No. Z	18673	te vvell Cor		MM DD. 12 A1
Water Supr	ly CRecharge well Abandor	e well	Unfinished Aba	ndoned, (Other)	Was the well ow package delivered	ner's information Da 1? Yes No	te Delivered	1 YYYY T	MM DD
Test Hole	Abandon Well C	ed, poor quality	Replacement well nformation			Ministry Us	e Only	······	
Name of Well G	ontractor	Well Drilli	ng LTd 26	's Licence No. 62	Data Source	Co	ntractor 2	662	,
Business Addr	ss (street name, n	Imber, city etc.) Fenelon Fell	ontarioKA	M 1N0	Date Received	PRYX N W 2005 Da	te of Inspec	tion YYYY.	MM DD
Name of Well	echnician (last nan	ne, first name)	Well Techniciar T-2441	i's Licence No.	Remarks	We	I Record N	Number	L
Signature of Te	chnician/Contracto		Date Submitted Y	YYY MM DD				ante a successione processione de la constante de la constante de la constante de	17 1
0506E (09/03)	L. voorwaa	Contractor's C	opy 🔲 Ministry's Cor	by 📋 Well Owi	ner's Copy	Cette f	ormule es	t disponible	en français

🗑 On	tario	Ministry of Environn and Energy	nent			i	Th	Ne Onta WA	ario V TEF	Nater F RWEL	Resource.L RE	<i>ces A</i> COR
Print only in sp Mark correct b	baces provide ox with a che	d. ckmark, where applicab	e.	11	SHE	ET Iol	a	ML 	inicipality	Con	4	22 23
County or Distr	ict		Townshi Whit	p/Borough/City/ church-S	Town/Village touffy	。 7 ille		Con Con	block t 1.9	ract surve	y, etc. Lo	t ² 10
Owner's surnar	me ²⁸⁻ ຂອງດາ	First Name	Address	of Well Location	n St. St	te 30	1 Nouma	rket (1 1947 (Date completed	21	10 0
21	- STAN	Zone Eas	sting	Northing	65.00	RC Elev	ation R	C Basin	Code	hando		R.1∩
1 2					OCK MA		ee instruc	tions)		ognalo		
General colou	r Most	common material	Ot	her materials			Gener	al descript	ion		Dept From	n - feet To
Black	Topso	11									0	
Brown	Sandy	clay & gravel	some sa	nd lense	8						3	28
Brown	Sand	& gravel	some si	lt		dry					28	43
Brown	Sandy	gravel			. *	wet	@ 50'				43	98
Gray	Silty	sand				wate	er bear	ing			98	113
Gray	Sand	& gravel				wat	erbeari	ng			113	140
Gray	Sandy	clay & gravel									140	246
Gray	Sand	& gravel									246	248
Gray	Sandy	clay & gravel						<u>.</u>			248	256
Gray	Sand	& Gravel									256	261
** See a	attached	Page 2 for co	lours & m	aterial							261	529
								of opening	31-33		34-38 Leng	1 75 th 31
Water found	Kind of	water linside diam	Material	Wall thickness	Depth	n - feet	(Slot I	No.)			inches	fe
10-13	Fresh 3 [Sulphur 14 Minerals	1 X Steel	² 280		13-16	Mater S	ial and type	-		Depth at top	of screen 41-44
15-18	² \Box Salty ₆	Gas 07	 2 Galvanized 3 Concrete 4 Open hole 	280	-/	575						feet
20123	2 □ Salty 6 □	Minerals 04 Gas 17-18 Sulphur 24	5 Plastic 1 Steel 1	9		20-23	61	PLUGO Annular	SING & space	SEALING	Abandonm	ient
	1 ∐ Fresh 4 [2 □ Salty _{6 [}	Minerals Gas 6	3 Concrete 4 X Open hole		525	529	Depth se From	t at - feet To	Material	and type (Ce	ement grout, be	entonite, el
25-28	1 □ Fresh 3 [2 □ Salty 6	Sulphur 29 Minerals 24-25 Gas 100	5 D Plastic	6 D200	b 4 9	27-30	¹⁰ 0	20 ⁷	Ceme	nt (1	10" pip	e)
30-33	1	Sulphur ³⁴ Minerals Gas	2 Galvanized 3 Concrete 4 Open hole 5 Plastic	.380	0	20	529 2079	7 1) ³³	Ben ⁸⁰ N	<u>tonit</u> ative	e Gro Soil	ut
71 Pumping tes	st method 10 2 □ Bailer	Pumping rate 11-14 GPM	Duration of pur	nping 17-18 S Mins			L	OCATION	OF WI	ELL	ч	
	Water level end of pumping	²⁵ Water levels during 1		2 Recovery		In diagrai Indicate r	m below sh north by arr	ow distar ow.	ices of t	well from i	road and lo	t line.
S 19-21	22-24	15 minutes 26-28 30 minutes 29-3	45 minutes 32-34	60 minutes 35-37	Ň						1999 - 1999 1997 - 1999 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1	*
If flowing cit	fee /e rate ³⁸⁻⁴¹	feet fee Pump intake set at	t feet Water at end of	feet test 42		Blan	inct-					
Recommende	GPM	fee Recommended 43-49	t Clear	Cloudy 46-49			0.000	·			1	
		pump setting fee	pump rate	GPM				Yo k	1Dun	Kan	Rag. H	2d.30
		54							une			
¹ 🗆 Water ² 🗆 Øbserv	supply vation well	5 Abandoned, insufficient s 6 Abandoned, poor quality	supply ⁹ 🗆 Unfini ¹⁰ 🗆 Repla	ished acement well								
³ ⊠∕Test ho 4 □ Recha	ole rge well	 7 Abandoned (Other) 8 B Dewatering 	•								4	
WATERUS	E	55-56		50		LI	Lane	vi i je				
2 Stock 3 Irrigati 4 Industr	on rial	 G Municipal G Unlic supply B Cooling & air conditioning 	12 Other								\sum	\backslash
метнор о			9 🗆 🖘		-							ا ا
¹ □∕Cable ² SK Potary ³ □ Potary ⁴ □∕Cotary	tool (conventional) (reverse) (air)	 Air percussion Boring Diamond Jetting 	¹⁰ □ Drivin ¹⁰ □ Diggi ¹¹ □ Other	יy ng r						4	2677	00
Name of Well Co	ontractor	· · · · · · · · · · · · · · · · · · ·	Well Contrac	ctor's Licence No.	Dat	la	58 Contracto	r	≁ ⁵⁹⁻	62 Date rece	elved	63-6j
G.Hart	& Sons W	ell Drilling L	td. 266	52		IFCO	2	266	2		APR 2	U 200
Box 850	, Fenelo	n Falls, ON		· · ·		e or inspection		inspector				4 ×.
Name of Well Te	echnician		Well Technic	cian's Licence No.	Rei	marks						
bryan wa	atsou i	· · · · · · · · · · · · · · · · · · ·	1-2-4-	P1 .								

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2 - MINISTRY OF ENVIRONMENT AND ENERGY COPY

0506 (06/02) Front Form 9

		Environment						WATE	R WEI	L R	ECORD
Mark correct be	aces provided. x with a checkr	nark, where applica	ıble.								
, 	-						SHIETOF	<i>**</i> .			
County or Distri York	ct			Township/	Borough/City/Tow	vn/Village	JANEY dest,	Con block	tract survey	/ etc	Lat
Owner's suman York Reg	e ion	First Name		Address	o Jagger	uffvi Hime	11e	Con. 9)		10
		Zone	asting	1091	Gorham St	.,Ste	e 301,Newmarket	, ON	completed	21 day	10 03 month year
ل			1.1.1								
General colour	Most cor	LOG O	F OVEF	RBURDEN	AND BEDROC	КМАТ	ERIALS (see instruction	ns)			
			** C	ontinue	r materials	1	General d	escription		De From	oth - feet To
Grav	Sandy (lay & grave				.ge 1		 			-
Gray	Silty c	lav								261	271
Gray	Sandy c	lay & gravel					sticky			271	290
Gray	Sandy c	lay & grave	-				nard			290	353
Gray	Sandy c	lay	some	e grave	1. some s	i]+ 1	ADSAS			353	493
Dark Gray	v Clay			some gr	avel			······		493	504
Gray	Silt		5	some sa	nd, grave	1 & c	lay			504	521
Black	Shale									524	520
										524	529
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			* Pag	ge #2							
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		2677	00		2662	,	APR 20	2005			
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ଞ O (ଷ	ntario	Ministry of the Environment	Well Tag Number	a othac		Well Re	ecor
			A018493		Regulation 903 Onta	no water Resol	urces A
nstruction	is for Comple	eting Form		nont legal de sum out	JSHEFTIN	S page L	or
 All Section 	ions must be	completed in full to avo	id delays in processing	g. Further instructions a	nd explanations are available	on the back of t	his form
 Questio All meti 	ns regarding c re measurem	completing this applicat ents shall be reported	ion can be directed to I to 1/10 th of a metre.	the Water Well Manage	ement Coordinator at 416-2	235-6203.	
Please	print clearly in	blue or black ink only.		· · · · · · · · · · · · · · · · · · ·	Ministry Use Only	/	- 1 - F
Vell Owne	r's Informati	on and Location of V	Vell Information	MUN Street Num	CON RR Lat Concession		
fork Re	gionm		C/(O Jagger Hims	Ltd 1091 Gorha	m St.Sui	te 3
County/Distric	t/Municipality	Township	/City/Town/Village	Province Pos Ontario	tal Code Telephone	Number (include	ārēa co
ddress of We	ell Location (Cou	inty/District/Municipality)	Тоу	vnship	Lot	Concession	
R#/Street Ni	umber/Name		C	itchurch-Sto Dity/Town/Village	uffville II Site/Compartmen	t/Block/Tract etc.	•
PS Reading	NAD	Zone Easting	Northing	Jnit Make/Model Mod	de of Operation: Undifferenti	ated Avera	ned
	8 3	17 640929	4874989	Magellan	Differentiate	ed, specify	
og of Ove	r Most comm	Dedrock Materials (Other Materials	Gene	ral Description	Depth	Metre
rev	Gravel					From	<u></u>
rown	Silty S	and some	Organice	Ľĺ		1	3
rown	Silty S	and & Gravel				3	5
rown	Silty C	lay & Gravel		· · ·	· · · · · ·	5	14
rey	Sandy C	Lay & Gravel			· · · · · · · · · · · · · · · · · · ·	147	18
TOWN	SATE A	anu a Gravel	_			18	27
rown	Silty S	and some	gravel gravel			27	- 4/ EA
rown	Gravel	silty	sand			50	60
Hole	Diameter		Construction Reco	rd	Test of W	ell Yield	
Depth	To Diamet	er Inside diam Mate	rial Wall	Depth Metres	Pumping test method Dra	w Down Re Water Level Time N	covery Water Le
0	21 10	11 inches	Inc has	From To	Pump intake set at - Static	Metres min	Metres
21	173	5*	Casing		(metres) Level	58.6	60.3
			Concrete 0.259	+3 132	(litres/min) 452gpm	73.1 1	
Wate Vater found	er Record	Galvanize	d		24_hrs + min	91.8 2	<u>39.7</u>
≀ ™etre s	Fresh Sulph	ur Plastic	Concrete		Final water level end 3	91.9 3	59.3
Gas Other:	Salty Miner	als	d		Recommended pump 4	92.3 4	59.2
m	Fresh	ur Steel Plastic	Fibreglass Concrete		Shallow Deep	02 4 5	50 2
Other:		ais Galvanize	d		depth. 120 fretres	74.4 3	
m	Fresh Sulph Salty Miner	ur als Outside	Screen		rate. (litres/min) 10	92.5 10 1 92.0 15	58.9 58.7
Other:		diam Steel	Concrete	132 166	If flowing give rate - 20	92.9 20	58.6
Clear and s	en yield, water was ediment free	6 1 Galvanize	d 20,16,		(itres/min) 25 If pumping discontin- 30	92 9 25 92 9 30	
Other, spec	sify		No Casing or Scree	én	40 40	92.9 40	
hlorinated	Yes 🗌 No	Open hole	•	44 (* 147) 	50 60	93.0 60	
	Plugging and	Sealing Record	🕻 Annular space 📋 Aba	andonment	Location of Wel	1	
From	netres Material and	d type (bentonite slumy, neat ce	ement sluny) etc. Volume (cubic	metres)	ow show distances of well from roa by arrow.	a, lot line, and build	aing.
0 2	1 Bent	onite Slurry			Lifting 200 to	300	rel
	IN THE CONTRACTOR OF A		en e		ton fer Minute	B	urhal
							ine
		· · · · · · · · · · · · · · · · · · ·			8		29KC
Cable Tool	KRola	Method of Construct	ion Diamond III	Digging	Callert 1	rine	
Rotary (conv	ventional)	percussion	letting	Other Bloc	minoton IY	ork"	
		Water Use		Reg	Rd 47		
] Domestic Stock	∏ Indu ∏ Con	ustrial 🔄 I nmercial 🔤 I	Public Supply	Other			
] Irrigation	Mur	Final Status of Wol	Cooling & air conditioning	Audit No. Z	18710 Date Well		
] Water Suppl	ly 🗌 Recharg	e well	Jnfinished Abandor	ned, (Other) Was the well	owner's information Date Delive	ered YYYY	MM D
Observation Test Hole	well Abandor	ned, insufficient supply 🛛 🕅 🛛	Dewatering Replacement well	package delive	red? Yes No		
	Well C	Contractor/Technician	Mell Confractor's Li	cence No Data Source	Ministry Use Only Contractor		<u></u>
lome of Martin	ontractor	Wall Betlite	I.t.d 2662			266	2
lame of Well C G.Hart	& Sons	AGTT OTTTTTU		I Date Received	YYYY MM DD Date of Ins	pection YYYY	MM D
lame of Well C G.Hart usiness Addre	& Sons ess (street name, r x 850 Pa	umber, city etc.)	DAT ROM INO		R 2 0 2005	1	
lame of Well C G.Hart usiness Addre O.Bo lame of Well T	& Sons ess (street name, n x 850 Fe echnician (last name Brace	umber, city etc.) nelon Falls (ne, first name)	Dat KOM 1NO Well Technician's Li	icence No.	R 2 0 2005 Well Reco	rd Number	
lame of Well C G.Hart usiness Addre O.BG lame of Well T Wasson ignature of Te	& Sona ess (street name, n x 850 Pe echnician (last name Bryan chnicjan/Contracto	umber, city etc.) nelon Falls (ne, first name)	Date Submitted	MM DD	R 2 0 2005	rd Number	

(8) C	ntario	N tł	/linistry of าe Environ	ment	Well Tag	g Number ((Place sticker an	d print num	iber below)	Re	gulation 90	3 Onta	Well	Reso	ecord
Instructio	ns for Comp	letin	a Form		AO	18493	ł.				31	A 6	🤧 pa	ige 🤦	of 3
 For us 	e in the Provi	nce c	of Ontario	only. This	docum	ent is a pe	ermanent le	gal do	cument. Pl	ease ret	ain for futu	e refe	sence.		h. 1.a. f .a
 All Sec Questi 	ctions must be ions regarding	com	pleted in fi pleting this	applicatio	d delays on can b	e directed	d to the Wa	ter instri	lictions and I Managen	nent Coc	rdinator at	aliable 416-2	on the bac 35-6203.	кот	nis torm.
All me Please	tre measurer print clearly i	nents n blue	s shall be e or black i	reported nk only.	to 1/10 ¹	ⁿ of a met	tre				Ministry Us	e Only			
Well Own	er's Informa	tion	and Locat	tion of W	ell Info	ormation	MUN Mailing Add	lross (St	root Numbe	DN	R Lot Con		<u> </u> L	от	
York	Region		Last Name)			C/O		r Hins	s Ltd	1091	Gort	iam St	S1	iite 30
County/Distr	rict/Municipality			Newn	arke	n/Village E		Onta	rio		Ieie	pnone			area code)
Address of V York	Vell Location (Co	oµnty/	District/Mun	icipality)			Township Whitcl	urch	-Stou	ffvil	le ^{Lot}	1	Conces	sion)	
RR#/Street	Number/Name	Lo	+ 10		-		City/Tow	n/Village			Site/Compa	artment	t/Block/Tra	ct etc	•
GPS Readir	g NAD	Zon	e Easting	20	Norti	hing 7 4 0 9 0 1	Unit Mak	e/Model	Mode	of Opera	tion: Und	lifferentia erentiate	ated	Avera	jed
Log of Ov	erburden an	d Be	drock Ma	terials (s	ee inst	ructions)				Lowerd		Donti		Motor
General Colo	ur Most.com	imon i	material		Other Ma	iterials			Genera	I Descript	on		Fron		
Brown Brown	Sand & Gravel	Gr	avel	som	e 88	nd	N.						63	\$	68
Brown	Silt								vet				68	3	88
Brown	Silt			some	fin	e sand	1		water	bear	ing		88	3 :mijo	108
Brown	Silt			some	fine	sand,	,some :	sandy	r clay	lens	es (w	et≬	10	8	116
Brown	Sand Sand P	C-	aval						water water	Dear hear	ing		131		138
Brown	Sand		Q T Q 1	some	grav	e1			water	bari	ng		138	3	141
Brown	Sand &	Gr	avel				<u> </u>		water	bear	ing	+ of \A	141		145
Depth	Metres Diam	eter	Inside	••••••••••••••••••••••••••••••••••••••	Cons	Wall	Dept	า	Metres	Pumping	test method	Dra	w Down	Re	covery
From	To Centim	etres	diam centimetres	Mater	ial	thickness centimetre	s From	1	То			Time \ min	Water Level Metres	Time min	Water Level Metres
2000 - 100 -						Casing	L			Pump in (metres)	take set at -	Static Level			
		+	· [Steel	Fibreglass					Pumping (litres/m	g rate - n)	1		1	· · · · · · · · · · · · · · · · · · ·
Water found	ter Record			Galvanized					· .	Duration	of pumping s + mir	2		2	
at <u>Metres</u> m	Fresh Sul	phur	· [Steel	Fibreglass Concrete					Final wa	ter level end ing	3		3	
Gas Other:	Salty Mir	erals		Galvanized						Recomm	nended pump	4		4	·
m	Fresh Sul	phur erals		Plastic	Fibregiass Concrete				· · · · · ·	Recomm	hallow Dee hended pump	5		5	
Other:			· [Galvanized	1	Screen			· · · ·	depth. Recomm	metres	10		10	
Gas	Salty Mir	pnur ierals	Outside	Steel	Fibreglass	Slot No.				rate. (lit	res/min)	15		15	
After test of	well yield, water v	vas		Plastic	Concrete					lit	res/min)	20 25		20 25	
Clear and	d sediment free				No C	asing or S	Screen	<u> </u>		ued, give	e reason.	30 40		30 40	<u></u>
Chlorinated	Yes No		[Open hole					· · ·			50 60		50 60	······································
	Plugging a	nd Se	aling Reco	rd [Annula	ar space	Abandonme	nt] [Location	of Wel	ļ		
Depth set at From	Metres To	and typ	e (bentonite sl	urry, neat cer	ment slurry	/) etc. Vo	olume Placed cubic metres)	In d	diagram belov licate north by	w show dist / arrow.	ances of well I	rom roa	d, lot line, a	nd bui	ding.
												11 - A			
		+										. 3	pet :		
		M	lethod of C	onstructio	on .							ح			
Cable Too		totary (air)		iamond		Digging					State.			
Rotary (re	verse) B	dring	14/4		riving										
Domestic	l Ir	ndustria	al	r Use	ublic Supp	bly	Other			and the second					
Stock		omme Iunicip	rcial al		ot used ooling & a	ir conditionin	ng	Au	idit No. 7	190	386 De	ite Well	Completed	<u> </u>	MM DD
Water Su	pply 🗌 Recha	arge we	Final Stat	us of Well □ ∪	nfinished	Aba	andoned, (Oth	er) W	as the well ov	vner's infor	nation Da	te Deliv	ered Q	M ₩	
Observatio	on well 🗌 Aband	loned, loned,	insufficient su poor quality	ipply D	ewatering eplaceme	nt well		[pa	ckage delivere	ed?	Yes No		- 	·	
Name of Well	Wel	Con	tractor/Tec	hnician In	formation w	on /ell Contracto	or's Licence No	. Da	ata Source	<u> </u>	Ministry Us	e Only	/	<u>c</u>	20
G.Hart	& Sons	We.	11 Dr1	lling	Ltd	26	62	Da	te Received	- YYXY ~	Mana En Da	ite of Ins	Z spection vv		
P.O. B	ox 850 I	en	elon F	alls (Dat K	OM IN	0 In's Licence M		AP marke	RZY	ZUN2	ell Rem	rd Number		
Watson Signature of	Bryan	dor	not name)		*** De	T-24	41		ana(N3						
	earle un			3		lini-t-1 C	YYYY* MM [0-#-	form	oot diar -	aible	n francois
0506E (09/03)			Cont	ractor's Co	∋у∟_∣М	mustry's Co	vv נין vveil	owner's	Cobh 🗍		Cette		, est uispor		an nanyalo

n n				A AND	t number bei - S		1. A. 1. V.	1917 1917 - 1917 1918 - 1917 - 1917 - 1917	-	
Y) (Y	ntario	Ministry of the Environment	Well Tag Number ((Place sticker and pnn	t number below)	Regulation 903	Ontar	Well io Water R	Re	COI rces A
nstructio	ns for Compl	eting Form	A018493			SUL		pa	» <u>3</u>	of
 For use 	e in the Provi r	ce of Ontario only. The	his document is a pe	ermanent legal	document. F	lease retain for futur	e refer	ence.		
All Sec	tions must be	completed in full to av	oid delays in proces	ssing. Further in	structions an	d explanations are ava	uilable o 416-21	on the back	< of th	is form
 Questi All me 	tre measuren	ents shall be reported	ation can be directed ad to 1/10 th of a mel	tre.	weii manaye					
 Please 	print clearly ir	blue or black ink only	•						<u>.</u>	1
Vell Own	er's Informat	on and Location of	Well Information	Mailing Address	Street Numb	er/Name_BR Lot Conc	ession			January Learner
ork R	egionn	Last Name		C30 Jag	ger Hims	s Ltd 1091 G	orhe	am St	Sui	lte
ounty/Distr	ct/Municipality	Townsh	hip/City/Town/Village	Pro	ovince Post	al Code Teler	phone I	Number (in	clude a	ягеа со
ddress of W	Vell Location (Co	unty/District/Municipality		Township		Lot		Concess	sion	
lork				Whitchu	rch-Stou	iffville 11	rtmont	9 (Block/Tro	t ata	
R#/Street Ca	lumber/Name 1ro Cour	F Lot 10		City/Town/Vil	lage	Site/Compa	runenu		. eic.	
PS Readin	g NAD	Zone Easting	Northing	Unit Make/Mo	odel Mod	e of Operation: Und	ifferential	ted	Average	ed
og of Ov	erburden an	Bedrock Materials	(see instructions)	an		Tentiated	I, Specify		
ieneral Colo	ur Most com	mon material	Other Materials		Gener	al Description		Depth		To
Brown	Sand		e graval		water	bearing		14:	;	16
27022	Cand 9	Graval	- g		Vator	bearing		16	5	16
7	Canta O	lar & Canal	oomo sak	hlee				165	3	17
» геу	panay t	Lay a oravel		·····						· · · · · · · · · · · · · · · · · · ·
	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·			-				
			· · · · · · · · · · · · · · · · · · ·			· ·				
-					-					
Hol	e Diameter		Construction R	tecord			t of We		Por	COVer (
From	To Centime	pres diam Ma	iterial Wall	Depth s	Metres		Time	Vater Level 1	ime V	Vater L
R H ulture		centimetres	centimetre	es From	То	Pump intake set at -	min Static	Metres	min	Metre
			Casing		· · · ·	(metres)	Level	a		
-		Steel	Fibreglass			(litres/min)	1+		1	· .
Wa	ter Record	Plastic	ized			Duration of pumping	2	<u> </u>	2	
Vater found t Metres	Kind of Wat	er Steel	Fibreglass		· ·	Final water level end			_ +	
	Fresh Sulp					of pumping metres	3		<u> </u>	
Other:		Galvan				Recommended pump type.	4		4	
m [Fresh Sulp		Concrete			Shallow Deep Recommended pump	5		5	····
Other:		Galvan	ized			depthmetres				<u></u>
m	Fresh Sul		Screen	·	1	rate.	10		10	
⊡ Gas Other:	i∋aity [_] Min	diam	Fibreglass Slot No.			(litres/min) If flowing give rate -	20	· · · · · · · · · · · · · · · · · · ·	20	
After test of v	vell yield, water w	as Plastic				(litres/min)	25		25	3e.
Clear and	ecify		No Casing or 9	Screen		ued, give reason.	<u>30</u> 40		<u>30</u> 40	
							50		50	
morinated	⊥lYes L_No					<u></u>	60		60	
Denth cot -t	Plugging an	d Sealing Record	Annular space	Abandonment	In diagram hal	Location of	of Well	t lot line -	d bull-	ling
From	To Material a	nd type (bentonite slurry, neat	cement slurry) etc. (c	cubic metres)	Indicate north b	by arrow.	om road	i, iotiine, an	u pulla	my.
			·							
									,	
		Method of Constru	ction							
Cable Tool		ary (air)] Diamond			1 2			1944 - A	
_	nventional) [*] [] A erse)	rpercussion	_l Jetting] Driving	U Other		and the second				
		Water Use								
Domestic		ustrial] Public Supply	Other						
Irrigation	<u></u> м	unicipal	Cooling & air conditionin	ng	Audit No. 7	18697 Dat	te Well (Completed YYYY	!	MM [
		Final Status of W	tell Unfinished רם ∆הי	andoned (Other)	Was the well of	IUUUI wner's information Dat	te Delive	ered v	ЧЦ	20
	n weil Aband	oned, insufficient supply	Dewatering		package deliver	ed? Yes No				
] Water Sup] Observatio	Aband	pned, poor quality	Replacement well			Ministry Us	e Only	<u> </u>		
Observatio	Mail	Contractor/Locanician		Ze Lissnes Mo		Co	ntractor			
Observatio	Well Contractor	Contractor/Technician	Well Contracto	or s Licence No.	Data Source					
Observatio	Well Contractor	Well Drillin	Well Contractor	52	Data Source	YYYY MM oo Dal	e of Insr	pection w	/Y •	MM *
Water Sup Observatio Test Hole Iame of Well G.Hart Jusiness Add P.O.	Contractor Contractor	Well Drillin umber, city etc.) Tenelon Falls	Well Contracto	52	Data Source	YYYY MM DD Dai	te of Insp	pection yy	YY 1	MM [
Water Sup Observatio Test Hole Iame of Well G.Har Usiness Add P.O. Iame of Well Iame of Well	Well Contractor & Sons ress (street name, Sox 850 Technician (last na Box 850	Well Drillin number, city etc.) enelon Falls me, first name)	Well Contractor Ig LTd 266 Ont KOM 1N Well Technicia T-2441	No. S Licence No.	Data Source Date Received Remarks	YYYY MM DD Dai	te of Insp 세 Recor	pection _{YY}	rr 1	MM [
Water Sup Observatio Test Hole G.Har usiness Add P.O. iame of Well Watsor ignature of	Well Contractor & Sons ress (street name, 80x 850 Technician (last na echnician/Contrac	Well Drillin number, city etc.) Fenelon Falls me, first name)	Well Contractor Ig LTd 260 Ont KOM 1N Well Technicia T-2441 Date Submitted	NO NYYY MM DD	Data Source	YYYY MM _{DD} Dai	te of Insp 세 Recor	pection _{YY}	۲۲ ۲ ۱	MM (

(P) Onta	ario #	inistry of	Well Tag Number	<u>, 6</u>	18,05				Well R	ecord		
					i z		Regulatio	on 903 Ontai	page	of 2		
 Instructions for For use in the 	Completing Province of	j Form f Ontario only. Thi	s document is a pe	s ermanent le	gal docum	ent. Ple	ease retain for	future refe	rence.			
 All Sections n Questions reg 	nust be comp arding comp	pleted in full to avo leting this applicat	id delays in proces ion can be directed	sing. Furth to the Wa	er instructio ter Well Ma	ns and nagem	explanations a ent Coordinat	re available or at 416-2	on the back of 35-6203.	this form.		
All metre mea Please print cl	asurements	shall be reported or black ink only.	I to 1/10 th of a met	tre.		<u></u>	Minist	ry Use Only	s .			
Well Owner's Int	formation a	nd Location of V	Vell Information	MUN		CO	N DR Lot	Concession				
First Name York Regi	on	Last Name		C30Ja	gger Hi	nis I	td1091	Gorham	"St Suit	e301		
County/District/Muni	cipality	Township Newm	o/City/Town/Village arket		Province Ontario	Postal	Code	lelephone	Number (include	e area code)		
Address of Well Loca	ation (County/E	District/Municipality)		Township Whitc	hurch-S	Stoul	ffville	Lot 11	Concession 9			
RR#/Street Number/	Name	**		City/Tow	n/Village		Site/C	Compartment	t/Block/Tract etc	D.		
GPS Reading	UTC NAD Zone	Easting	Northing	Unit Mak	e/Model	Mode	of Operation:	Undifferentiate	ated Avera	aged		
Log of Overburg	8 3 17 den and Bec	640926 drock Materials (see instructions))				Differentiate	X			
General Colour N	lost common m	naterial	Other Materials			General	Description		From	To		
Grey gr	avel		,			<u>fil</u>	1		0			
Black to Brown si	ltv cla	V 50	me gravel						5	15		
Brown si	lty san	d & gravel	some cobb	les					15	17		
Brown sa	ind								17	23		
Brown S1	1t & 5a	nd some	eand & ar	avel					30	48		
Brown si	lty san	id some	gravel		, i	1			48	53		
Brown gr	avel	some	silty san	d		<u></u>		Toot of M	53	65		
Depth Metres	eter Diameter	Inside	Construction N Wall	Cecora Dept	hMe	res()	Pumping test m	nethod Dra	w Down R	ecovery		
From To T		diam Mate	erial thickness	s es Fron	n Te	•	Pump	Time min	Water Level Time	Water Level		
0 20	19"	inches	1 Dicing	>			Pump intake se (metrics) 13	t at - Static 7 f t Level	52.4			
20 1104 0			Fibreglass	ell 10	13	9	Pumping rate - (litres/min)61	8igpm	101.71	66.8		
Water Rec	ord						Duration of pun 72_hrs +	nping 2	102.7 2	65.1		
at Kir	nd of Water	Steel Plastic	Fibreglass Concrete		-		Final water level of pumping		103.5 ₃	64.5		
Gas Salty	Minerals	Galvaniz	ed be				Recommended	pump 4	104.2 4	64.1		
164m 6 Fresh	Sulphur	Plastic	Fibreglass Concrete				Shallow Recommended	Deep pump 5	104.6 5	63.8		
		Galvaniz	ed				depth. 137 Recommended	pump 10	105 2 10	63 2		
Gas Salty	Minerals	Outside 🕅 Steel	Fibreglass Slot No.				rate618ig	pm 15	105.4 15	63.0		
After test of well yield	l, water was			139	164	4'6"	(litres/mir	ale - <u>20</u> a) 25	105.4 20 105.4 25	63.0		
Clear and sedimer	nt free		No Casing or	, 20 Screen			ued, give reaso	ntin- <u>30</u> 1. <u>40</u>	105.4 30 105.4 40	63.0		
Chlorinated Y Yes	No	Open ho	le					50 60	105.5 50	63.0		
Plug	gging and Sea	aling Record	Annular space	Abandonm	ent		Loc	ation of We	II			
Depth set at Metre From To	Material and type	e (bentonite sluπy, neat c	entent slurry) etc.	olume Placed cubic metres)	In diagr Indicate	am below north by	v show distances o arrow.	of well from roa	ad, lot line, and bu	uilding.		
21 1	neat s	iement								YORK		
	Denton	lite					Cairo	ourt /		Line		
	-			·····					J.	RegRd		
	M	ethod of Construc	tion			i i	· / · · ·	10	ine	30		
Cable Tool	al) Rotary (a	air)	Diamond	Digging		01	· · ·	Ň	lork			
Rotary (reverse)	Boring		Driving			1310 Pm	20mingto	n +		╋━╸┊╎		
Domestic	Industria	Water Use	Public Supply	Other		NY						
Stock	Commer	rcial 🗌	Not used Cooling & air conditionin	ng	Audit N	lo. 7	99795	Date Well	Completed	MM DD		
Water Supply	Recharge we	Final Status of We	Unfinished Ab	oandoned, (Ot	her) Was th	L ie well ow	vner's information	Date Deliv	vered YYYY	MM DD		
Observation well	Abandoned, i	insufficient supply	Dewatering Replacement well		packag	e delivere	ed?	No				
Name of Well Contract	Well Cont	tractor/Technician	Information Well Contractor	or's Licence N	lo. Data S	ource	Minis	Contracto				
G. Hart &	Sons W	ell Drilli	ng Ltd 20	662	Date R	eceived 4		Date of In	552 spection vvvv	MM DD		
P.O. Box	850 Fe	nelon Fall	s Onco K	OM 1NO		NUV	c v zhaz		ord Number			
Watson, B	ran (last name, fi ryan T-	2441		an s Licence r 41	"". Remar	к5						
Signature of Technicia X	an/Contractor			YYYY MM	DD			0-11 -				
0506E (09/03)		Contractor's C	Copy 🔲 Ministry's C	opy 📋 We	ll Owner's Co	ру 🗋		Cette formul	e est disponible	en trançais		
ଚ୍ଚି (Dinta	ario 🖁	linistry of	Well Tag	Number	A 015	508	Bogulation 002	Onto	Well	Re	
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					A018508	B		Regulation 505	Unta	paç	ge <u>2</u>	_ of <u>2_</u>
For u For u All S Ques All n	use in the ections n stions reg netre me	Province of nust be comparding comparing the compari	g Form of Ontario pleted in t pleting this s shall be e or black	only. This docum full to avoid delays s application can b reported to 1/10 ink only.	ent is a perma in processing be directed to h of a metre.	anent legai g. Further in the Water \	document. Ple structions and Vell Managem	ease retain for future explanations are ava ent Coordinator at Ministry Use	∍ refe ilable 416-2 → Only	on the back 235-6203.	k of th	iis form.
Well Ow	ner's In	formation	and Loca	ation of Well Info	rmation		CC	N RR Lot Conc	essio		т	
First Name County/Dis	o rk R strict/Muni	egion cipality		Township/City/Tow	n/Village		vince Posta	Ltd 1091 G	orh	Am StS	uit clude a	:e 301 area code)
Address o	Well Loc	ation (County/	/District/Mu	nicipality)	Tow	nship nitchui	ch-Stou	Efville 1	1	Concess 9	sion	
RR#/Stree	at Number airo	/Name Court			C	City/Town/Vil	lage	Site/Compa	rtmen	it/Block/Trac	ct etc.	
GPS Read	ding Overburg	NAD Zon 8 3 1 den and Be	e Eastin 7 640 drock M	ng Nort 1926 48 aterials (see inst	tructions)	Magel	lan Node		rentiate	ated ated ated ated ated ated ated ated	Averag	
General Co	olour N	Aost common	material	Other Ma	aterials		Genera	Description		Depth From		Metres To
Brow	enrSa	indy Si	<u>lt</u>			1	water be	aring		65		95
Brow	n Si	lty Sau	nd	some cla	L Y		water be water he	aring aring		11/	¥	129
Brow	n Sa	ind		JUNE SI			water be	aring		129	•	134
Brow	n St	llty Sa	nd & 0	Gravel			water be	aring aring		134	4 5	<u>136</u> 146
Brow	n Sa	and & G	ravel	SOME ST	vel		water be	aring		14	5	151
Brow	n Sa	and & G	Ravel				water be	aring		15	1	<u>1661</u>
Grey	m <u>Ba</u>	andy C1	ay & (Gravel Con	*FINISHE	D DEPT	<u>H 164.6</u> "	Tes	t of V	160 Vell Yield	57	170
Depth From	Metres To	Diameter Centimetres	Inside diam	Material	Wall thickness	Depth	Metres	Pumping test method	Dra Time	aw Down Water Level	Re Time \	covery Water Level
			centimetres		centimetres Casing	From	То	Pump intake set at - (metres)	Static Level	Netres	min	weites
				Steel Fibreglass				Pumping rate - (litres/min)	1		1	
v	Vater Red	ord		Plastic Concrete		:	4	Duration of pumping	2		2	
Mater foun at Met	nd res / Ki	nd of Water		Steel Fibreglass				Final water level end of pumping	3		3	
Gas Gas	Salty			Galvanized				Recommended pump type.	4		4	
Gas	Frest	n Sulphur		Plastic Concrete		•		Recommended pump depthmetres	5		5	
	 Frest	n Sulphur	Outside		Screen			Recommended pump rate. (litres/min)	10		10 15	An Chinage and the second s
Other:	Gaity		diam	Steel Fibreglass	Slot No.			If flowing give rate -	20		20	· · · · · · · · · · · · · · · · · · ·
After test o	of well yiek and sedime	a, water was nt free		Galvanized		· · ·		If pumping discontin- ued, give reason.	30		30	
Other,	specify			No	Casing or Scre	en	<u>x</u>		40		40 50	
Chlorinate	ed 🗌 Yes	No							60		60	
Depth set	Plu at - Metres	gging and Se Material and ty	ealing Rec	slurry, neat cement slurr	ar space At y) etc Volum	e Placed	In diagram below	Location v show distances of well f	rom ro	ad, lot line, a	nd buil	ding.
From	10				(Cubic	, (1191,92)	Indicate north by	/ arrow.				
				······								
Cable 1	Г <u>оо</u> і	Rotary	Method of (air)	Construction		Digging						
Rotary	(conventior (reverse)	al) 🚹 Air per	cussion	Jetting		Other						
Domes	tic	Industr	Wat	er Use	vla	Other						
Stock	on .		ercial pal	Not used	air conditioning		Audit No.		ate Wel	I Completed		
Water	Supply		Final Sta	atus of Well	Abando	oned, (Other)	Was the well on	LLIL4 wner's information Da	ate Del	200 ivered YY	<u>)5 </u> YY	07 22 MM DD
Observ	ation well	Abandoned	, insufficient , poor qualitv	supply Dewatering	ent well		package deliver	ad? Yes No				
Name of V	Vell Contra	Well Cor	ntractor/Te	chnician Informat	ion Vell Contractor's L	icence No.	Data Source	Ministry Us	se On	ly or	<u>_</u>	·
G H Business	Address (st	Cons reet name. num	Well I ber, city etc.)	Prilling It	d 26	62	Date Received		ate of Ir	260 nspection m		MM DD
P.C Name of V	ell Technic	t 850 F	enelor first name)	n Falls Ont	: KOM 1 N Vell Technician's	U Licence No.	NUV Remarks	2 2005	ell Rec	cord Number		
Wat Signature	son J	Bryan an/Contractor	STATE THE REPORT	D	T-2441 rate Submitted vvvv	MM OD			r			
	Jube.	Vat		petractor's Conv	Ministry's Copy			Cette	formu	le est dispoi	nible e	en français

(V) Or	ntario ¦	Ministry c he Envir	of onment	Well Tag N	lumber	۹ 032	2909	Regulation 903	Ontari	Wel	I R Reso	ecord
Instruction	s for Completin	ıg Form		Å	10329	109				pa	age _	of
• For use	in the Province of	of Ontari	io only. This	documen	t is a perma	inent lega	al document. P	lease retain for future	e refere	ence.		
 All Section Question 	ons must be con ns regarding com	npleted in pleting the	n full to avoid nis applicatio	l delays ir on can be	h processing directed to f	j. Further the Water	instructions an Well Manage	d explanations are ava ment Coordinator at 4	ailable o 416-23	n the bao 5-6203.	ck of	this form.
All metr Blosse r	e measurement	s shall b	e reported	to 1/10 th o	of a metre.			Ministry Use	Only			I
Well Owner	"s Information	and I or	cation of W	ell Inforr	nation	MUN	С	ON ON			_OT	
Vor	k		1 137	e.		Whi	tchure	h n li	2		9	
RR#/Street Nu	mber/Name		MINT	4	С	ity/Town/ b		/Site/Compa	rtment/E	3lock/Tra	ict etc	D.
GPS Reading	NAD Zon	e East	ting DEN	Northin	g U	nit Make/M	lodel Mode	e of Operation:	ifferentiate	id 🖌	Avera	ged
Log of Over	burden and Be	edrock N	Aaterials (s	ee instru	ctions)	INCE	N N	Diffe	rentiated,	specify	IN	FEET
General Colour	Most common	material	(Other Mater	rials		Genera	al Description		Dept From	h n	Metres
BROWN	SAND						Sa)FT		0		10
GREY	CIAY						50	FT		10		25
KROWN	SAND						<u>Lo</u>	OSE		92	5	115
PITOWN	SANP		6	RAVEL			LC	SE		113		170
I+ !										· · · · ·		
				······································						l		
-												<u>``</u>
Hole I	Diameter Diameter		1	Constru	uction Recor	ď	FPCT	Test	t of Wel	I Yield		
From	To Centimetres	Inside diam	Materi	al	Wall thickness –	Depth	Metres	Pumping test method	Time Wa	ater Level	Time	Water Level
0 1	63' 6'	centimetre	s	c	entimetres	From	То	Pump intake set at -	min 🚽 Static	Aetres	min	Metres
163 1	70' 5"		Steel 6	ibreglass	asing		1	(metres) [SS" Pumping rate -	Level	20	1	
		6		Concrete		Ô	162	(litres/min) 10			•	······
Water found	r Record / Kind of Water			Threatan			20	Lange for the second se	26	1.5	2	
	Fresh Sulphur			Concrete				Final water level end of pumping	36	1.5	3	
Gas	Salty 🗌 Minerals		Galvanized					Recommended pump	46	15	4	
	Fresh Sulphur	1. 10 1. 16 State 1. 14 2.		ibreglass Concrete				Shallow M Deep	5 (1	E	
Gas			Galvanized					depthmetres	56	<u> </u>	5	
	Fresh Sulphur	Outside			Screen			Recommended pump	10 6	1.5	10	
Other:		diam	Steel	ibreglass	Slot No.	113		If flowing give rate -	20		20	
After test of wel	l yield, water was ediment free	2	Galvanized	7	£1d	103	140	(litres/min)	25 30 6	. C	25 30	
Other, speci	fy			No Cas	ing or Scree	en	-•••··································	ued, give reason.	40 6	121	40	
Chlorinated 🔀	Yes 🗌 No		Open hole						50 60 6	1.5	50 60	
	Plugging and Se	aling Rec	ord 🖌] Annular s	pace 🗌 Aba	ndonment		Location o	of Well		4 S L - S	
Depth set at - Me From T	o Material and typ	e (bentonite	sluny, neat cen	nent slurry) et	tc. Volume (cubic r	Placed netres)	In diagram below Indicate north by	w show distances of well fro / arrow.	om road,	lot line, a	nd bui	lding.
0 61	M. BENT	ONITE	BENSE	EAL				3				[N]
								The second	<u>U1.</u>		1	1
				•			60				ŧ	
										l l	y	
	N N Rotany (lethod of		en amond			Lat	φ ()		1		2
Rotary (conve	entional)	ussion		tting		Dither	0000			ر ب	S	
Rotary (rever	se) 🗌 Boring	Wa	ter Use	iving						1		No.
	Industria	al	Pi	blic Supply		Other	Blo	OMINGTON RD				
		al		or used ooling & air c	onditioning		Audit No. 🚽	25700 Date	e Well Co	ompleted		MM DO
Water Supply	/ Recharge we	Final St	atus of Well	nfinished	Abandon	ed, (Other)	Was the well ov	JJIOO vner's information Date	e Delivere	30 6	YY .) OJ MM DD
	well Abandoned,	insufficient	supply	watering			package delivere	ed? Yes No		· · · · .		
	Well Con	tractor/Te	echnician In	formation			Data Davi	Ministry Use				
Name of Well Co	ONS WA	TER	Wells	Well	Contractor's Lic	ence No.	Data Source	Cor	5	45	9	1. 1. ge
Business Addres	ss (street name, numb	er, city etc.	CTADLEN	111E			Data Pacaive	TY 2005 I DD Date	e of Inspe	ction YY	ΥΎ ,	MM DD
Name of Well/Te	chnician (last name, f	irst name)	SIUUTT'	Wel	Technician's Li	cence No.	Remarks	We	II Record	Number		
Signature of Teo	Inician/Contractor	UMA	5-	Date S	Submitted YYYY	MM DD.						
X /	1. C. D' KU	M	ntractor's Con	V 🗌 Minie	Stry's Copy	10 07		Cette fr	ormule e	st dispor	nible (en francais
0000⊏ (09/03)		0	паског 5 Сор					Cono n		2. 2.0001		

()	ntar	io ¦	Ministry of he Enviro	nment	4 0355	29	print number below)	Regulat	ion 903 Ontari	Well R	ecord
Instruction	s for Co	ompletin	ig Form	A	035529					page _	of
 For use All Section Question All metric Please provide the section of the section	in the P ons mu ns regar re meas print clea	rovince of st be con rding com surement arly in blu	of Ontario npleted in pleting this s shall be e or black	only. This docur full to avoid delay s application can reported to 1/1 ink only.	ment is a perr ys in processi be directed to 0 th of a metre	manent leg ng. Further o the Wate	al document. P instructions an r Well Manage	Please retain fo d explanations ment Coordina Minis	or future refer are available o itor at 416-23 try Use Only	ence. on the back of 5-6203.	this form.
Well Owner	r's Info	rmation	and Loca	tion of Well Inf	formation	MUN	C	ON		LOT	
First Name Chiavat	ti H	lomes	Last Nam	e ed	M	ailing Addre 7725 B	ss (Street Numb irchmoun	er/Name, RR,Lc t Rd J U	nit #37		
County/District	t/Municip	ality		Township/City/To Mark	wn/Village : ham	P	rovince Posta Ontario L3	al Code R 9X3	Telephone N	lumber (includ	e area code)
Address of We York RR#/Street Nu	Il Locatic	on (County,	/District/Mu	nicipality)	Tc W	wnship h itchu City/Town/V	rch-Stou /illage	ffville Site/	Lot Pt.11 Compartment/I	Concession 9 Block/Tract et	c.
GPS Reading	NA	D Zon	e Eastin	g Noi	rthing	Unit Make/N	Model Mode	e of Operation:	t#3 Undifferentiate	ed 🗙 Avera	aged
Log of Over	8 rburder	3 17 n and Be	drock Ma	1941 4 aterials (see ins	87 <u>486 1</u> structions)	Mage1	lan		Differentiated,	specify	
General Colour	Mos	t common	material	Other M	laterials		Genera	al Description		Depth From	Motres To
Black	Тор	soil							· · ·	0	1
Brown	San Cla			silt	and the second			· · · · · · · · · · · · · · · · · · ·		1	24
Brown	San	d		sill a s	cobble	vel c boul	dan at 7'	7 Z.		24	33
Brown	Gra	vel		sand	CODDIE	s bour we	<u>uer ac /.</u> t	210		72	86
Brown	San	d								86	115
Hole	Diamete	r		Con	struction Rec	ord			Test of Wel	ll Yield	
E Depth From From	To // G	Diameter	Inside diam	Material	Wall thickness	Depth	- Horres /	Pumping test n	nethod Draw Time/Wa	Down Reater Level Time	ecovery Water Level
	20	10"	continiones		INCHES	From	То	Pumpintake se	min l atat-Static	min	Motres
20 1	.15	6"	INCHES	Steel Fibrediase	Casing			(metes) 10 Pumping rate -	Oft Level	54.3	54.5
			61	Plastic Concrete	. 188	+21	111	(litres/min)12;	g pm		
Water found at Metres	r Record	f Water		Galvanized				hrs +	min	57.7 2	54.4
111-718 44	Fresh	Sulphur		Plastic Concrete				Final water level of pumping	el end 3	58.8 ₃	54.4
Other:			. [Galvanized				Recommended	pump 4	58.8 4	54.5
Gas	Fresh Salty	Sulphur Minerals		Plastic Concrete				Shallow Recommended	NDeep pump 5	58.8 5	54.3
Other:	Freeb	Sulobur		Galvanized	Screen			depth.	pump 10	18 7 10	54 3
Gas	Salty	Minerals	Outside	Steel Fibreglass	Slot No.			rate. 108pt (lit ree/mir) 15	8.7 15	54.3
After test of well	l yield, wa	ater was	6		8	111	115	(litres/mir) 25	8.7 20	54.3
Clear and se	diment fre fy	e		No	Casing or Scr	een		If pumping disco ued, give reasor	ntin-30 1 40	58.7 30	54.3
Chlorinated 🗙	Yes	No		Open hole					50	8.7 50	54.3
	Pluggin	ng and Sea	aling Reco	rd 🔽 Annul	arspace 🗍 Al	bandonment			tion of Well	60	5415
Depth set at - Me From T	otres Mate	erial and type	e (bentonite sl	urry, neat cement slurr	y) etc. Volum (cubic	ne Placed c metres)	In diagram below	v show distances c	f well from road,	lot line, and bui	ilding.
20	6 B	ensea	1, Ez-	mud						4	
0	UH	olepi	e g				N		. (
								Cairo	CRT.	, Ctyr	ed.
					9 F				100	1 39	7
Cable Tool		M Rotary (a	ethod of C air)	Diamond		Diaging		16			
Rotary (conve	entional)	Air perce	ussion	U Jetting] Other				<u> </u>	
	se)		Wate	r Use			-	Blooming	on Nol.		
Domestic Stock		Industria	ıl cial	Public Sup Not used	ply] Other		, s			
Irrigation	• • .		i Final Stat	Cooling & a	air conditioning		Audit No. Z	45694	Date Well Co	2006	0'5 IP9
Water Supply		Recharge we	ll insufficient su	Unfinished	Abando	oned, (Other)	Was the well ow	vner's information	Date Delivere	ed vyyyy	MM DD
		bandoned, p	poor quality	Replaceme	ent well		provide comore	Minist	try Lise Only		······
Name of Well Co	ontractor	well Cont			Vell Contractor's L	Licence No.	Data Source	1411113	Controtor	60	
Business Addres	s (street n	iame, numbe	er, city etc.)	LILLENG HLU	• 4004		Date Received		Date of Inspe	ction YYYY	MM DD
Box 850), Fe	nelon last name, fi	Falls	3. ON	Vell Technician's I	Licence No.	JUN / Remarks	/ 2006	Well Record	Number	
Signature of Tecl	hnician/Co	ames ontractor	· · ·	Di	T-308 ate Submitted	9					
x Clu	le	and a	<u> </u>		YYYY				Cette formula a	et dienonihle	on franccia
USUBE (09/03)			Conti	actor's Copy	липълу з Сору				ວອແອ ເບເກເຟຍ ຍ	si uispuriibie (ən nariçals

() () ()	ntario	Ministry of the Environ	iment	A 03	5530	number l	below)	Regulati	on 903 Ont	Well R ario Water Res	Record
Instruction	s for Completi	ng Form	AO	35530						page	of
• For use	in the Province	of Ontario	only. This docur	ment is a pe	rmanent le	gal docum	nent. Pl	ease retain fo	r future ref	erence.	
 All Section Question 	ons must be cor ns regarding con	npleted in fi npleting this	ull to avoid delay application can	ys in proces be directed	sing. Furthe I to the Wat	er instruction er Well Ma	ons and anagem	explanations a nent Coordina	are available tor at 416-	e on the back o 235-6203.	f this form.
All metr Please r	e measurement	ts shall be ie or black i	reported to 1/1	0 th of a met	re			Minis	try Use Ont	v	· · · · · · · · · · · · · · · · · · ·
Well Owner	r's Information	and Local	tion of Well In	formation	MUN		CC	N		LOT	
First Name	tti Homes	Last Name	A		Mailing Addr	ess (Street	Numbe	r/Name, RR,Lo	t,Concessio	n)	
County/District	t/Municipality		Township/City/To	wn/Village	1123	Province	Posta	Code	Telephone	Number (includ	le area code)
Address of We	III ocation (County	//District/Mun	Ma1	rkham	Townshin	Ontario	L3F	2 9X3	Lot	Conversion	
York					Whitcl	nurch-	Stou	ffville	Pt.11	9	1
RR#/Street Nu	mber/Name Cairo Co	ourt			City/Town	Village		Site/	Compartmer t 5	nt/Block/Tract ef	C.
GPS Reading	NAD Zor	ne Easting		rthing	Unit Make	/Model	Mode	of Operation:		iated 🗙 Aver	aged
Log of Over	rburden and B	edrock Ma	terials (see ins	structions)	nage.	Lian			Differentiat	ed, specify	· · · · · · · · · · · · · · · · · · ·
General Colour	Most common	material	Other M	1aterials			General	Description		Depth From	Metres /
Black	Topsoil									0	1/2
Brown	Clay	Grand Contraction of Contraction	silt & g	ravel			n in the state of	Xila dibu aya kuta		1	17
Gray	Clay		some gra	ivel						17	35
Brown	Sand		clay & g	ravel						35	40
Brown	Clav		grave1							52	65
Brown	Sand		some gra	vel						65	115
· · · · · · · · · · · · · · · · · · ·											
[.]											
Hole I	Diameter		Con	struction Re	ecord			Duraniaa taat a	Test of W	Vell Yield	0001/011/
From	To H Gentinetors	lnside diam	Material	Wall thickness	Depth	- Mei	4	Pumping test n	Time	Water Level Time	Water Level
0	20 10	contimetres		Continuetres INCHE	s From S	T	о с	Pump intake ee	i min tat∶ Static	Motres min	Motros
20 1	15 6"	INCHES		Casing				(metres) 1 i.A. Pumping rate -		40 48.1 1	45.2
		67	Plastic Concrete	.188	+23		11	(Hitros/min) 12	2gpn	<u></u>	45 2
Water found	r Record Kind of Water		Galvanized					1_hrs +	min	40 . 1 2	40.2
111 to 115	Fresh 🗌 Sulphur		Plastic Concrete	5				Final water leve	el end 3	48.1 3	46.2
Gas 4.	Salty Minerals		Galvanized					48.1 f	potsee pump 4	48.1 4	46.2
	Fresh Sulphur	•	Steel Fibreglas	S				Recommended		48.1 5	45.2
Other:			Galvanized					dPOOft.	Netres		
f∐ m □	Fresh Sulphur	Outside	•	Screen				Recommended rate.	pump 10	48.1 10 48.1 15	40.2
Other:		diam	Steel Fibreglas	s Slot No.	_			If flowing give ra	ate - 20	48.0 20	46.2
After test of well	l yield, water was ediment free	6	Galvanized	20	111	. 1	15	(litres/min If pumping disco) 25 ntin- 30	40.0 25 48.1 30	40.2
Other, specil	fy		No	Casing or S	creen	· · · · · · · · · · · · · · · · · · ·		ued, give reasor	40	48.1 40	45.2
Chlorinated X	Yes 🗌 No		Open hole						50 60	48.1 50 48.1 60	40.2
	Plugging and Se	aling Recor	d 📈 Annu	lar space 📋	Abandonment			Loca	tion of We	I	
Depth set at - Me From T	o Material and typ	e (bentonite slu	urry, neat cement slurr	ry) etc. Vol (cu	ume Placed ıbic metres)	In diagra	am below north by a	show distances o arrow.	f well from roa	id, lot line, and bu	ilding.
20	4 Bensea	1 & Ez-	-mud					· .			
4	0 Holepl	ug	•							Aut	
	A Contraction	· ··· .		N		1 1				1 30]
/		· · ·			······				a RO CRI	13 1	
	N N	lethod of C	onstruction							18	
Cable Tool	entional) 🚺 Air perc	(air) cussion	Diamond		Digging						
Rotary (revers	se) Boring	Mator				-		Ø	l		
Domestic	Industri	al	Public Sup	oply	Other	-11		BI	oomins to		
Stock	Comme	ercial al	Not used	- air conditioning		- Audit No	<u>,</u>	45005	Date Well	Completed	
		Final Statu	is of Well				<u> </u>	45695	Data Data	2006	0 ¹ 5 2 ¹ 3
Water Supply	Kecharge we well Abandoned,	ell insufficient sup	pply Dewatering	I ∐Abar g	ndoned, (Other) Was the package	e well owr delivered	er's information ?	No	ered yyyy	MM DD
Test Hole	Abandoned,	poor quality	Replacem	ent well Ion		┥┌───		Minist	ry Use Only	ý	
Name of Well Co	ontractor	11 B		Vell Contractor	's Licence No.	Data So	ource		Contracto	869	
Business Addres	s (street name, numb	er; city etc.)	LLING LTO	. 200	4	Date Re	ceived		Date of Ins	spection YYYY	MM DD
Name of Well Te	chnician (last name	Falls	, UN	Vell Technician	's Licence No.		<u>27</u>	2006	Well Reco	ord Number	
Turnbul	L James	F		T-30	89						
x Clau				YY	YY MM DD						
0506E (09/03)		Contra	actor's Copy 🔲 🕴	Vinistry's Cop	y 🗌 Well O	wner's Cop	у 🔲		Cette formule	e est disponible	en français

P Or	ntario	Ministry of the Enviro	f nment	Well Ta	a Number 4 035:		icker and o	rint number below	v) 	Reg	ulation 90	3 Onta	We ario Water	II R Resc	ecord
Instructions	s for Completi	ng Form		A	035535								ŗ	age _	of
 For use i All Section Question All metro 	in the Province ons must be co ns regarding cor e measureme	of Ontario mpleted in npleting thi ts shall be	o only. Thi full to avo is applicati e reported	s docum id delays ion can l i to 1/10	hent is a pe s in proces be directed th of a me t	ermar ssing. d to th tre	ent leg Further e Wate	al document instructions Well Mana	t. Ple and igem	ease reta explanati ient Cooi	in for futu ions are av rdinator at	re refe ailable 416-2	erence. e on the ba 235-6203	ack of	this form.
Please p	rint clearly in bl	ue or black	ink only.	<u> </u>						N	/linistry Us	e Onl	y		
Well Owner First Name	's Informatior	and Loc	ation of V	Vell Info	ormation	Mailir	MUN 10 Addres	s (Street Nu	CO mber	N B	PR Lot Con		<u>n)</u>	LOT	
County/District	tti Homes /Municipality		z e d Township	/City/Tow Mark	vn/Village cham	7	725 I	B trchmo rovince Po Ontario	un ostal L31	t Rd. Code R 9X3	, Unit Tele	t 37 ephone	7 P Number	includ	e area code)
Address of We	Il Location (Count	/District/Mu	inicipality)			Town	ship		£	£	Lot	11	Conce	ssion	
RR#/Street Nu	mber/Name Liro Cour	A				Cit	v/Town/∿	illage	JUI	TAITI	site/Comp Lot	artmer	9 nt/Block/Tr	act etc	D.,
GPS Reading		ne Eastir 7 64	09 27	Nort	hing 87481	4 Un 4 M	t Make/N agel	lodel M Lan	lode	of Operati	ON: Und	different erentiat	iated 🎽 ed. specify	Avera	aged
Log of Over	burden and B	edrock M	aterials (see inst	tructions)		· · · · ·							
General Colour	Most commor	material		Other Ma	aterials			Gen	neral	Descriptic	on .		Dep	th m	To Metres
Black	Topsoil													0	1
Brown	Silt	hand a star			$= \sum_{i=1}^{n} \sum_{j=1}^{n-1} \sum_{i=1}^{n-1} \sum_{j=1}^{n-1} \sum_{i=1}^{n-1} \sum_{j=1}^{n-1} \sum_{j=1}^{n-1} \sum_{i=1}^{n-1} \sum_{j=1}^{n-1} \sum_{i=1}^{n-1} \sum_{j=1}^{n-1} \sum_{j=1}^{n-1} \sum_{i=1}^{n-1} \sum_{j=1}^{n-1} \sum_{i=1}^{n-1} \sum_{j=1}^{n-1} \sum_{i=1}^{n-1} \sum_{j=1}^{n-1} \sum_{j=1}^{n-1} \sum_{i=1}^{n-1} \sum_{j=1}^{n-1} \sum_{i=1}^{n-1} \sum_{j=1}^{n-1} \sum_{j=1}^{n-1} \sum_{j=1}^{n-1} \sum_{j=1}^{n-1} \sum_{i=1}^{n-1} \sum_{j=1}^{n-1} $			11.135.v	<u></u>	da d	······	1777 i 68	2967.071	1	4
DLOMU	3110		clay				SO	ne 🕬 Dia	ack		····· ,		-	4	11
Brown	Silt		grav	el °				<u>\</u>		· · ·			1	1 •	21
Brown	Sand		silt	y & :	some g	rav	let		· .	· · · ·			2	1 6	46
Brown	Sand		grav	el	vo1					2		,	10	9	116
<u> 4 11 14</u>	JUDY		ວບພອ	sia.	V C L			·						-	
Hole C	Diameter			Cons	struction R	ecord					Tes	st of V	/ell Yield		
Depth M	Diameter	Inside	Mate	rial	Wall		Depth	Metres	70	Pumping	test method	Dra	aw Down	R	ecovery
	20 10"	diam centimetre s		iai	thickness sentimetre	; ;;	From	То	#-	Pump)	min	Matres	min	
20 1	20 10	INCHE	S		Casing	23				Pump inta (teatres)	looft	Static Level	48.4		74.
20 1	10 0		Steel	Fibreglass	•.					Pumping (l itres/m in	rate -	1	52.2	1	47.5
Water	Record		Plastic	Concrete	.188		+21	112	,	Duration of	of pumping	2	52.6	2	48.4
Water found	Kind of Water	0‡	Steel	Fibreglass		-			_	hrs	+ mir	۱	20 E		101
112-1164	Fresh Sulphur		Plastic	Concrete						of pumpie	er level end	3	52.5	3	48.4
Other:			Galvanize	G	·					Recomme	ended pump	4	52.5	4	48.4
	Fresh Sulphur			Concrete	1.1					Recomme	allow XDeep ended pump	5		5	
Gas	Saity Minerals		Galvanize	d			ļ			depth.10			-		
m I	Fresh Sulphur				Screen					Recommercial rate.	nded pump	10		10	
Other:		diam		Fibreglass	Slot No.					If flowing	give rate -	20		20	
After test of well	yield, water was	6	Galvanize	d	12		112	116	°	(litre	es/min)	25		25	
Other, specif	y			No C	Casing or S	Screer	1			ued, give i	reason.	40		40	
Chlorinated V	Yes No		Open hole	,	<u>-</u>							50	52.5	50	48.4
^										L	Lesstian	60		60	
Depth set at - Me	Material and t	ealing keco	slurry, neat ce	ment slum	∧r space ∐ ∧)etc. Vo	olume F	conment laced	In diagram b	below	show dista	nces of well f	rom roa	nd, lot line, a	and bu	ilding.
From T	6 Bense	al & E	zoud		(c	ubic m	etres)	Indicate nort	th by a	arrow.					
6	0 Holep	lug											1		
								1				1	inthe l	<u>r</u> i	es
											ino cot	<u> </u>	line	CTY /	
				-	\$2.					U		7		30	
	Poten	Method of	Constructi	on Diamond			aging								
Rotary (conve	entional) Air pe	cussion		letting			ther				Æ				
Rotary (revers	se) Boring	Wate	er Use	Driving				7	RIA	000.010	for Rd		L	-	
Domestic	[]] Indust	ial	F	Public Supp	ply	0	ther		31.01	Junio	ion ive				
Stock	Comm Munic	ercial pal		Not used Cooling & a	air conditionin	g		Audit No.	<u> </u>	150	De	ate Well	Completed		
		Final Sta	tus of Wel			¢		2	<u>Z</u>	4565	13	to Dell	20	06	05 25
Water Supply	vell Abandoned	vell , insufficient s	iupply 🗌 [Jnfinished Dewatering	L_ Aba	andone	d, (Other)	Was the we package deli	ivered	ner's inform I?Y	ation Da 'es No		reieu y	YYY 	MM DD
Test Hole	Abandoned	, poor quality	chrisian '	Replaceme	ent well			, r	·	Λ	Ministry Us	se Onl	v .		
Name of Well Co	ontractor				/eli Contracto	r's Lice	nce No.	Data Source	e		C.	ontracto		n	
G.Hart	G JONS W	ell Ur	111118	s rig	. 200	32		Date Receive	ved	YYYY 14		te of In	pection	K YYY	MM DD
Box 850), Fenelo	n Fall	s. ON					NOV		7 2006			· · · · · · · · · · · · · · · · · · ·	•••• •	
Name of Well Te Turnbu	chnician (last name L1, James	first name)	,	Ŵ	/ell Techniciai T-30	n's Lice)89	nce No.	Remarks	4 1 1	~~ ~ ~	W	ell Reco	ord Number		
Signature of Tec	hnician/Contractor		*	Da	ate Submitted $_{Y}$	YYY ,	/M DD								
2509E (09/03)	a ul pier	Cor	tractor's Co	py [] N	linistry's Co	 py []	Well Ow	ner's Copy			Cette	formul	e est dispo	onible	en français
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- F

Ontario	Ministry of Well the Environment	A 05298	r below)	Regulation 903 Onta	Well Record
Instructions for Complet	ing Form	A05298	2		page of
 For use in the Province All Sections must be co Questions regarding co All metre measurement Disconstruct all article in the 	e of Ontario only. This docu ompleted in full to avoid dela ompleting this application ca nts shall be reported to 1/1	iment is a permanent leg ays in processing. Furthe an be directed to the Wa I0th of a metre.	g al document. F r instructions ar ater Well Help	Please retain for future refe nd explanations are available Desk (Toll Free) at 1-888-	rence. on the back of this form. 396-9355.
Vol Our or is information	iue of black ink only.	MUN			
- F - C					
Address of Weir Location (Court	y/District/wuricipanty)	i ownsnip		Lot	Concession
RR#/Street Number/Name		City/Town/		Site/Compartmen	t/Block/Tract etc.
GPS Reading NAD Z	one Easting No.	orthing Unit Make	Model Mod	e of Operation: Undifferentia	ated Averaged
Log of Overburden and E	Bedrock Materials (see in	structions)	I		d, specify
General Colour Most commo	n material Other I	Materials	Gener	al Description	Depth Metres From To
îa/t	ELL ARANDONIA	KAR DEADAN			
	,00 110741V 201V 10	IDN RECORD			
· ABAN	Dan were in.	-SITU			
· INSTA	IL SAND IN S	CLEENED INTER	evar		
- KENT	ONITE GROUT TO	SURFACE.			
Hele Dismeter			T THINKS		
Depth Metres Diameter	Linside Cor	Wall Depth	Metres	Test of We	ell Yield
From To Centimetres	diam Material	thickness From	To	TimeV	Vater Level Time Water Level Metres min Metres
	-	Casing		Pump intake set at - Static (metres) Level	
	Steel Fibreglas	35		Pumping rate - 1 (litres/min)	1
Water Record	Galvanized			Duration of pumping 2	2
at Metres / Kind of Water	Steel Fibreglas			Final water level end 3	3
Gas Salty Minerals		N		Recommended pump 4	
│	Steel Fibreglas	A		Shallow Deep	
	Galvanized	1		depthmetres	5
Gas Salty Minerals	Outside Steel Fibreglas	Screen		rate. (litres/min) 15	10
After test of well yield, water was	diam Plastic Concrete			If flowing give rate - 20 (litres/min) 25	20
Clear and sediment free Other, specify	Galvanized	Casing or Screen		If pumping discontin- ued, give reason. 30	30
Chlorinated Yes No	Open hole			50	50
ET Plugging and Se	ealing Record	lar space Abandonment			60
Depth set at - Motres From To Material and ty	pe (bentonite slurry, neat cement slur	ry) etc. Volume Placed (cubic metres)	In diagram below	w show distances of well from road	, lot line, and building.
O 15' BENTON	ITE HOLEPWG		indicate north by		
99' 101' RENTON	TE UMEPLUG				
101' 122' SILICA	SAND			CEE	
	Nothod of Construction			ACHED	,
Cable Tool Rotary	(air) Diamond			411	
Rotary (conventional) Air pere	cussion Jetting Driving	Other			
Domestic Industri	Al Water Use	ply Dother			
Stock Comme	ercial INot used Dal Cooling &	air conditioning	Audit No	Date Well C	ompleted
Water Supply Recharge w	Final Status of Well	Ahandonad (Other)	Mas the well -	10829	2007 04 85
Observation well Abandoned, Test Hole	insufficient supply Dewatering		package delivered	d? Yes No	
Well Con	tractor/Technician Informati	on	Data Rauss	Ministry Use Only	
LANTECH OMUNY	SERVICES INC.	6809	Data Source		5809
Busiliess Address (street name, numb 3661 MT. ALBER	T ROAD, SHARON,	ON	Date Received	MAY 2 8 2007	ection yyyy MM DD
Name of Well Technician (last name, f	hirst name	/ell Technician's Licence No. 7 - 2381	Remarks	· Well Record	Number
Signature of Technician/Contractor	IAR P	2007 DADE			
0506E (08/2006)	<i>V V</i>	Ministry's Copy	1	Cette formule e	st disponible en français



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Well Tag No. (Place Sticker and/or Print Below)

Measurements recorded in: Metric Pimperial

Well Location Address of Well Location (Street Number/Name)	<u>Т</u>	ownship	Lot	Ci	oncession		
29 Lincolnville Lane	C	Witchurch	-StouFRille Province Postal Code				
York		Stouffville		Ontar	rio	24	RTXY
NAD 8 3 17 LU 69 55 987	4516	funicipal Plan and Subi	ot Number	Other			
Overburden and Bedrock Materials/Abandonment	Sealing Reco	rd (see instructions on the	e back of this form)			Der	th (<i>m/l</i> t)
General Colour Most Common Material	Oth	er Materials		l		From	
Drown Clay	(a		Hand			0 2	<u>5</u> 2
Diown Jand	UNAVEL					2.4	.
			a daad da da ahaa ahaa ahaa ahaa ahaa a				
	****				10000000000000000000000000000000000000		
		VANILAND/AANNA			· · · · · · · · · · · · · · · · · · ·	1.9 m m 194 14 7 9 17 1 1 1 1 1	
			,				
			14111111111111111111111111111111111111				
Annular Space			Results of We	11 YIaH	Tostipa	Sections.	Wallah (Mass)
Depth Set at (m/ft) Type of Sealant Usi	ed	Volume Placed	After test of well yield, water was:	Draw	v Down	R	ecovery
A 20 Julia Bar	···· //	(117713)	Clear and sand free ☐ Other, specify	(min)	vater Level (m/it)	(min)	vvater Level (m/lt)
O als wys ber			If pumping discontinued, give reason:	Static Level	35		1994 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
			19999944833434998834489783489794348497944884974448447448444444777744578481,655847,6757444,64444444444444444444	1		1	10.5.10.10.10.10.10.10.10.10.10.10.10.10.10.
			Pump intake set at (m/ft)	2		2	Na 1999 No. 1
Method of Construction	Well Us	e	Pumping rate (I/min / GPM)	3		3	
Cable Tool Diamond Public		rcial 🗌 Not used	1 Duration of pumping	4	1900,000,000,000,000,000,000,000,000,000	<u>.24</u>	
Rotary (Conventionar) Detung Rotary (Reverse) Driving Livestock		e Monitoring	hrs + mín	5		5	
Boring Digging Digging Infustion Industrial		& Air Conditioning		10		10	
Other, specify Other, specify	cify		If flowing give rate (I/min / GPM)	15		15	
Inside Open Hole OR Material Wall D	epth (<i>m/fl)</i>	Water Supply	Recommended pump depth (m/n)	20		20	
(cm/in) Concrete, Plastic, Steel) (cm/in) From	n To	Repiacement Well Test Hole	HD Recommended numb rate	25	n mana an ing ang ang ang ang ang ang ang ang ang a	25	
6"4 Steel 219 0	, 4a	Recharge Well Dewatering Well	(l/min / GPM)	30	na ana ang ang ang ang ang ang ang ang a	30	
		Observation and/or Monitoring Hole	Well production (Vmin / GPM)	40		40	an anana anana anana anang ang ang ang a
		Alteration (Construction)	Disinfected?	50		50	
		Abandoned, Insufficient Supply	Yes No	60		60	
Outside Material D	lepth (<i>m/ft)</i>	Abandoned, Poor Water Quality	Map of We Please provide a map below following	ell Locat instruction	tion is on the ba	ck.	
Diameter (cm/in) (Plastic, Galvanized, Steel) Slot No. From	n To	Abandoned, other, specify			1		1.
5"2 Steel 25 42	45		Blooming ton				and the second se
Water Details	Hi sted Depti	ole Diameter			R		
45 (m/ft) Gas Other, specify	From	To (cm/in)	Lincolnville L	ûne			
Water found at Depth Kind of Water: Fresh Unites	sted		2				
Water found at Depth Kind of Water: Fresh Unter	sted				ľ		
(m/it) [Gas []Other, specify Well Contractor and Well Techn	 Ician Informat	ion	<u><u><u> </u></u></u>		a na series de la constante de		
Business Name of Well Contractor	Wel	I Contractor's Licence No.			anner som often and well		
Korer Doadway Ent., Ltd. Busidess Address (Street Number/Name)	Mur	nicipality	Comments:		§		
Box 397, Sotton West	Addroce	Yor K					
ON LOEIRO Destruction	cruices e	as).com	Well owner's Date Package Delivere	a 🛛	Minist	y Use	Only
Bus Telephone No. (inc. area code) Name of Well Technicic 91015 71919 51311 19 R. 1 P.	an (Last Name, F	First Name)	package <u>YYYY</u> MM	olo 🕅	adit No. Z 1	01	130
Weil Technician's Licence No. Signature of Technician and/o	r Contractor Date	e Submitted	Tes Date Work Completed		See.		672009
0505E (12/2007)	Mon 2	009090904	NO 100908		eceived Oueen's P	rinter fo	r Ontario 2007



Ministry of the Environment A 095335

Metric

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

A095335

Regulation 903 Ontario Water Resources Act Page of

Well Locat	ION	hor/Name)	To	wnship	Lot	11000	Concessi	on	
Address of W	Veil Location (Street Num			through					
SIT 70	ict/Municipality	-me se	Cit	y/Town/Village		Provi	ince	Postal	Code
Countyroistin	iou manopanty			Stouffuille		On	tario		
UTM Coordina	ates Zone , Easting	Northing	Mu	unicipal Plan and Sublo	t Number	Othe	r	1000	
NAD	13176416	69487	4389					1	
Overburder	and Bedrock Materia	Is/Abandonment	Sealing Record	d (see instructions on the	back of this form)		12121123		1 1 101
General Col	our Most Comm	on Material	Othe	r Materials	General Desc	ription		From	To
R	EII				moist			0-	4-
Drown	n ////				a vit			11-	16-
Brown	Clay				MUIST			9	20-
Brown	clay		Sand		wet	ing in		16	dd
Gree.1	clay				wet			22-	28-
Uny	Citing							St. Property	
								-	
						1000		-	
									17.1
						1946-1948		1	
Marrie .						<u></u>			
and the second s	States and the states	Annular Space	1		Results	of Well Yi	eld Testin	ng	
Depth Set	t at (<i>m/ft</i>)	Type of Sealant Us	sed	Volume Placed	After test of well yield, water wa	as:	Draw Down	n Rime	Water Level
From		(Material and Type	<u>"</u>	(117712)	Other, specify	(mi	n) (m/ft,	(min)	(m/ft)
38	00 291	9			If pumping discontinued, give i	eason: Stat	tic		
1155-	1- Bento.	rite			in barrieri 8 anoonininaari 9	Lev	el		
1-	m Sall	tul L	Cta			1		1	
1	O sand, r	rushmont, (oncrete		Pump intake set at (m/ft)	2		2	
	and a second				and the second second		S Longe	2	
Meth	od of Construction	Con President and an	Well Us	e	Pumping rate (I/min / GPM)	3		3	Mag
Cable Tor		Public	Commer	cial Not used		4	t la	4	
Rotary (C	onventional) Jetting	Domestic	Municipa	Dewatering	Duration of pumping	5		5	444.2
Rotary (R	leverse) Driving	Livestock	Test Hol	e Monitoring	Final water lavel and of numpi	0.0 (00.00)		0	
Boring	Digging		Cooling (& Air Conditioning	Final water level end of pumpi	ng (minit) 1(0	10	
Other. sp	ssion ecify	Other, sp	ecify		If flowing give rate (I/min / GE	1	5	15	
	Construction P	acord Casing		Status of Well					
Inside	Open Hole OR Material	Wall	Depth (m/ft)	Water Supply	Recommended pump depth	(m/ft) 2	0	20	
Diameter	(Galvanized, Fibreglass,	Thickness Fro	m To	Replacement Well		2	5	25	
(Criviti)	Concrete, Plastic, Steel)	3	30 -	Test Hole	Recommended pump rate	3	0	30	
2-	Plastic	Sch 40	0	Recharge vveil Dewatering Well	(I/min / GPM)		-		
1. Same				Observation and/or	Well production (I/min / GPM	4	0	40	
				Monitoring Hole		5	0	50	
				(Construction)	Disinfected?			60	
In Sector			ter aller	Abandoned,	Yes No	0	0	00	
In the second	Construction R	ecord - Screen	111111111111	Abandoned, Poor	Ma	p of Well L	ocation		
Outside	Material	Clash No.	Depth (m/ft)	Water Quality	Please provide a map below f	ollowing instr	ructions on t	he back.	
Diameter (cm/in)	(Plastic, Galvanized, Steel)	Slot No. Fr	om Ja	Abandoned, other,					
25	Plaster	10 2	8 M	Speensy	6.0				
9	Prindice	10 0		Other, specify	2 Dee				
1000					mai	2			
No. of Street,	Water De	tails	H	lole Diameter					
Water foun	d at Depth Kind of Wate	er: Fresh Unt	Dep	th (m/ft) Diameter					
(m	v/ft) Gas Other, sp	ecify	From	10 07					
Water foun	d at Depth Kind of Wate	er: Fresh Unt	ested do	0 8					
(m	v/ft) Gas Other, sp	ecify							
Water foun	d at Depth Kind of Wate	er: Fresh Uni	ested						
(m	n/ft) □ Gas □ Other, sp	ecify							
	Well Contract	or and Well Tech	nician Informa	tion					
Business N	ame of Well Contractor		We	al Contractor's Licence No.					
Protile	Drilling				Comments:				
Business A	daress (Street Number/N	ame)	8	Vach Vark	Comments.				
Provines	Postal Code	Bueinger Erm	ail Address	torn ford					Sales and
	/ MIZIA/ILI	12 Jacon @	Profiledr	ling com	Well owner's Date Package	Delivered	M	inistry Us	se Only
Bus Telenho	one No (inc. erec codel N	ame of Well Techn	ician (Last Name	First Name)	information		Audit N	10.	
4116	65064444	Slocki)	ason		delivered Y Y Y	MMD	Z	110	069
Well Technic	ian's Licence No. Signatur	e of Technician and	Vor Contractor Da	te Submitted	Yes Date Work Co	Aubiered	0 0.11	0 1 9	2010
•		// - (/		DIALLIA	010	0	111 1 0	01010
1219	1718	IW	15 0	0100212		U I A	Receive	ed	



Ontario Ministry of the Environment	Well Tag	No. (Place Sticker and	l/or Print Below) Regulation	V 903 Ontario V	Vell Re	ecord
Measurements recorded in: Metric Imp	erial A	000308		Pag	e	of
Well Owner's Information		HILLHHRIDE AVAN		in an	DILENS	
First Name / Org	anization		E-mail Address		by Well C	I Owner
Mailing Address (Street Number/Name)	Inalm	unicipality	Province Postal Code	Telephon	e No. (inc. a	area code)
······································						
Well Location			Lot	Concess	ion	HIDDAR
Address of Well Location (Street Number/Name)	- P.	ownship	ila la	2 1		
County/District/Municipality	con nine	ity/Town/Village	ingo	Province	Postal	Code
Durham		aller	udge	Ontario		
UTM Coordinates Zone Easting North	Mana Marking M	unicipal Plan and Subiol	t Number	Other		
NAD 8 3 1 6 9 6 0 2 9 0	nent Sealing Recor	d (see instructions on the i	back of this form)	HHHHHH	HIHHH	
General Colour Most Common Material	Othe	er Materials	General Description		Dept From	th (<i>m/ft</i>) To
Rentanite Slumm					0	85
the Oly			8		85	88
Hole Fing					88	98
Jilica Janos						
					1018-800	
						489.200
		~				
			- V			
			the second		1	
Annular S	pace		Results of W	ell Yield Testi	ng R	ecoverv
Depth Set at (m/t) Type of Seala From To (Material and	nt Used Type)	Volume Placed (m ³ /ft ³)	Clear and sand free	Time Water L	evel Time	Water Level
			Other, specify	(min) (m/ft) (min)	(m/ft)
			If pumping discontinued, give reason:	Level	-	
				1	1	1111
			Pump intake set at (m/ft)	2	2	
			Dumning sate ///min (CDM)	3	3	
Method of Construction	Well Us	e	Pumping rate (minin GPM)		4	
Cable Tool Diamond Public	c Comme estic Municip	al Dewatering	Duration of pumping		-	
Rotary (Reverse) Driving Lives	tock	le 🗌 Monitoring	hrs + min	5	5	4
Boring Digging Irriga	tion 🔄 Cooling strial	& Air Conditioning	Final water level end of pumping (mm	10	10	
Other, specify Other	r, specify		If flowing give rate (I/min-/ GPM)	15	15	
Construction Record - Casir	ng	Status of Well		20	20	
Inside Open Hole OR Material Wall Diameter (Galvanized, Fibreglass, Thickness	Depth (m/ft)	Water Supply	Recommended pump depth (m/ft)	25	25	
(cm/in) Concrete, Plastic, Steel) (cm/in)	From To	Test Hole	Recommended pump rate	20	20	
		Recharge Well Dewatering Well	(Vmin / GPM)	30	50	
		Observation and/or	Well production (I/min / GPM)	40	40	
		Alteration	Disinfactor/2	50	50	
		(Construction)	Yes No	60	60	
Construction Record - Scree	n	Insufficient Supply	Map of V	Vell Location	11111111	
Outside Material Slot No.	Depth (m/tt)	Water Quality	Please provide a map below followin	g instructions on	the back.	
(cm/in) (Plastic, Galvanized, Steel) GIOCHO.	From To	Abandoned, other, specify	NT	~ 1		
				- Ploo	mins from	
		U Other, specwy	· hu			
Water Details	1	Hole Diameter	1 1/ 12 k	Ducham	7%	
Water found at Depth Kind of Water: Fresh	Untested Dep	th (m/ft) Diameter	/ york	TOTIO	/1	,20
(m/ft) Gas Other, specify		97 6"	Tenth A	200		Terl
(m/ft) Gas Other specify		10 0	Lim	E1	L	house
Water found at Depth Kind of Water: Fresh	Untested					-
(m/ft) Gas Other, specify						
Well Contractor and Well 1 Business Name of Well Contractor	Fechnician Informa	ation				
Lilend Lester Lell	tol	5 4 5 9				
Business Address (Street Number/Name)	M	lunicipality	Comments:			
13787 HL7 48	E mail A da	Stonper.Ke				
Province Postal Code Business	E-mail Address		Well owner's Date Package Delive	red N	linistry Us	se Only
Bus. Telephone No. (inc. area code) Name of Well Te	echnician (Last Name	, First Name)	package	Audit M	No. Z O	1570
9056404369 Fergus	on Eniz		Date Work Complete	d	0	1010
Well Technician's Licence No. Signature of Technician	and/or Contractor Da	ate Submitted	No 201000	de sol	N 0 8	2010
0506E (12/2007)	4	Contractor's Con		00	ueen's Printer	for Ontario, 200

D												·	
Ontari	O Ministry	or said of	weiter in the second	Well Ta	g No	5. (Place Sticker an	nd/or	Print Below)			V	Vell R	ecord
	the Envir	onment	and a	9	oc	21502	·····		Regulation	1 903 O	ntario V	Vater Res	ources Act
Well Owner's In	formation		mperial	<u> </u>						0200904	Pag	e	
First Name	Lasi	t Name / C	rganization	ו				E-mail Address					Constructed
Mailing Address (Stre	eet Number/Name))	lor	N	Munic	ipality		Province	Postal Code	٦	elephon	by We e No. (<i>inc. i</i>	area code)
Well Location				<u> </u>		· · · · ·	<u>. </u>	<u></u>			.		
Address of Well Loca	ation (Street Numb	er/Name)	00	T	Towns	ship		/	Lot	(Concessi	on	
County/District/Muni	n an Access icipality	o photo	Que que de la companya de la company		City/To	own/Village	<u>sc</u> 11	 	10	Provinc	e 7	Postal	Code
UTM Coordinates Zo	ne , Easting	No	rthing	N	Munic	ipal Plan and Sublo	ot Nur	mber		Onta Other	rio		
NAD 8 3	P 6141101	38 4	87714	6 57.7	· · · · ·		005000000			(kinonstranon view			
Overburden and B General Colour	Most Common	Material	nment Sea	aling Reco Oth	ord <i>(s</i> her Ma	ee instructions on the aterials	back	of this form) Gener	al Description			Dept	th (<i>m/ft</i>)
	Pentland	Centro	for .		: ,	· ·						\mathcal{O}	10
	Hole plug											50	52
	Per gravel											52	65
				I									
											<u>з</u>		
	· · · · · · · · · · · · · · · · · · ·												
					4								
						·							
Depth Set at (m/ft)	т.	Annular s	Space ant Used			Volume Placed	Afte	r test of well yield. v	esults of We water was:	ell Yield Dra	l Testin w Down	g Re	ecovery
From To	(Ň	laterial and	d Type)			(m³/ft³)		Clear and sand fro	ee	Time (min)	Water Le (m/ft)	vel Time (min)	Water Level (m/ft)
							lf pu	umping discontinued	d, give reason:	Static Level	\$5'		
										1		1	
	· · · · · · · · · · · · · · · · · · ·	'.					Pun	np intake set at (m	v/ft)	2		2	
Method of C	onstruction			Well Us	se		Pun	nping rate (I/min / C	GPM)	3		3	
Cable Tool	Diamond		líc vestic		ercial al	Not used	Dur	ation of pumping		4		4	· · · · · · · · · · · · · · · · · · ·
Rotary (Reverse) Boring			stock		e & Air	Monitoring Conditioning	Fina	hrs +π al water level end of	nin pumping <i>(m/it</i>)	5		5	
Air percussion			istrial ar specify			j				10		10	
C	onstruction Reco	ord - Casi	ing	8		Status of Well		wing give rate (1/m	nin / GPM)	20		20	
Inside Open H Diameter (Galvani	lole OR Material ized, Fibreglass, T	Wall hickness	Depth	(<i>m/ft)</i> то		Water Supply Replacement Well	Rec	commended pump	depth <i>(m/ft)</i>	25		25	
(cm/n) Concreti	e, Plastic, Steel)	(cm/in)				Test Hole Recharge Well	Rec	commended pump	rate	30		30	
						Dewatering Well Observation and/or			(0044)	40		40	
an nakutitu						Monitoring Hole Alteration			, G-W)	50		50	
						(Construction) Abandoned,		Yes No		60		60	
Outeide	Construction Reco	ord - Scree	en	1		Abandoned, Poor	Pler	ase provide a man l	Map of W	ell Loc	ation	e back	
Diameter (cm/in) (Plastic, C	Material Salvanized, Steel)	Slot No.	From	(<i>m/n)</i> To		Abandoned, other,		. A	Sight following	a jag ubdi	الا (الدي ر).	- paon,	N ²
						ot reeded.		F11					Fine
	an Baana an	nya)aanaanaa	ang menang salah sa salah sa			Uther, specify		а а <u>1</u> .4	н 1995 г.	11. 11.	5 C	Simon Allega (Const	-
Water found at Dant	Water Detail	S Frech	Untertert	H	lole I	Diameter				لۇم: ئ	and the second	WARRANT CONTRACTOR	and an and a second
(<i>m/ft</i>) Ga	s Other, specify			From		To (cm/in)			R.r.	NET CERTIFICATION CONTRACTOR	100		· ···
Water found at Dept	h Kind of Water:]Fresh	Untested			0) 2		Alouning	7 20	- X	Constant	\rightarrow	
Water found at Dept	h Kind of Water:	Fresh	Untested		-	and the second s		Warman and a second sec	yan talah a sana a sana sa		l. 1.	. 1-	
(<i>m/ft</i>) [_]Ga	Nell Contractor	nd Well	Technicia	n Informa	tion				kang wa Eu	iten w. C	16(n		
Business Name of W	fell Contractor	, <i>11.</i> 4		We	ell Con	ntractor's Licence No.			1997) 19	:			بر میں
Business Address (St	treet Number/Name	- <i>1</i> =) (Mu		ality	Con	nments:				ÿ	<u> Kanadan</u> ia
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Well Technician's Licence	ce No. Signature of	Techniciar	n and/or Co	ontractor Da	te Sut	bmitted		Yes No 201	1 1 gibt	98	<u> </u>	N Z B	LUIL

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Depth Se	et at (<i>m/ft</i>)		Type of Seal	ant Used		Volume	Placed	After test of well yie	eld, water was:		aw Down	R	ecovery
From	То		(Material and	Type)		(m ³	/ft³)	Clear and sar	nd free	Time (<i>min</i>)	Water Leve (m/ft)	I Time (min)	Water Level (m/ft)
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								Pump intake set a	it <i>(m/fi)</i>	2		2	·····
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Rotary (C	Conventiona	il) 🗌 Jetting		estic			Dewatering	Duration of pumpi hrs +	ng min	5		5	·
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Outrida	C	onstruction R	ecord -Scree	n			ned, Poor	Diagra provida a p	Map of Wo	ell Loc	ation	book	
Diameter (cm/in)	N (Plastic, G	laterial alvanized, Steel)	Slot No.	Depth From	(<i>m/it)</i> To	Abando	ned, other,		ap below initiowing	1130000		Dack.	
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vvater tound	orat Deptr v/ft) ⊡Gas	\Box Other, spe	n:rresn	Joniesied	<i>U</i>		O	Long to a start	S-OR	100	× ·	·····	
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Address of Well Location (Street Number/Name) Concession Township Whit-starff 10 10 AS LN Linconville County/District/Municipality City/Town/Village Stowffville Municipal Plan and Sublot Number Postal Code Province Ontario 6 44 7444 York UTM Coordinates Zone Other Northing Easting NAD 8 3 171 64116941874071 Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form) Depth (m/ft) Most Common Material Other Materials General Description General Colour From Sand 10 ${\cal O}$ Brown (ay < Gravel Clay . Vona Cementes Sanc COL 1 **Results of Well Yield Testing** Annular Space After test of well yield, water was: Draw Down Volume Placed Recovery Type of Sealant Used Depth Set at (m/fi) Clear and sand free Time (Material and Type) Time Water Level Water Level (m^3/ft^3) To (min) (m/fi) (min) Other, specify \bigcirc 4 Bags Ly lug Static 32.2 If pumping discontinued, give reason: 52 Galle. Level (عمد) 24 1 1 Pump intake set at (m/ft) 3 8 F-f 2 4,1 2 З З Pumping rate (I/min / GPM) Well Use GPM Method of Construction 10 4 4 W.J Commercial Not used Cable Tool Diamond 🗌 Public Duration of pumping Domestic [] Municipal Dewatering Rotary (Conventional)] Jetting L hrs + $O\delta$ min 5 5 2 haft Test Hole Driving 🗌 Livestock Monitoring Rotary (Reverse) Final water level end of pumping (m/fl) Boring 🗌 Digging 🗌 Irrigation Cooting & Air Conditioning 10 34.2 10 34,2 FT If flowing give rate (I/min / GPM) Air percussion 🗌 Industrial 15 15 Other, specify Other, specify **Construction Record - Casing** Status of Well 20 20 7. X Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel) Depth (m/ft) Water Supply Recommended pump depth (m/ft) Inside Wall Diameter (cm/in) Thickness (cm/in) 38 FT Recommended pump rate 25 Replacement Well 25 To From Test Hole 30 30 20 🔲 Recharge Well \mathcal{O} (I/min / GPM) 25 Steel .188 12 GP. Dewatering Well 40 +2 40 36 C Observation and/or .188 25 Well production ((/min / GPM) Monitoring Hole 4.2 50 50 Â Alteration (Construction) Disinfected? 60 34.Q 60 VYes 🗌 No Abandoned, Insufficient Supply Map of Well Location **Construction Record - Screen** Abandoned, Poor provide a map below following instructions on the back. Water Quality Depth (m/il) Outside Material Slot No West Diamete (Plastic, Galvanized, Steel) Abandoned, other to From Τa 35 (cm/in) specify well House 42 36 line 5.5 STain (05 ,010 L+ Š Other, specify 36 S 1000 Hole Diameter Water Details \Diamond Depth (m/fi) Diameter Water found at Depth Kind of Water: 🖌 Fresh Untested Ťo (cm/in) From 36 (m/fl) Gas Other, specify ζ 20 Water found at Depth Kind of Water: Fresh Untested \mathcal{O} (m/ft) Gas Other, specify Lincoin Ville X Lage 6.6 Water found at Depth Kind of Water: Fresh Untested (m/ft) Gas Other, specify Well Contractor and Well Technician Information Business Name of Well Contractor le Baranisti ss Address (Street Number/Name) Well Drilling 135 Dale Comments RJ Newa Vivian Postal Code Business E-mail Address 43 4441 Ministry Use Only Well owner's information Date Package Delivered Audit No. Area code) Name of Well Technician (Last Name, First Marne) 20112062 package delivered Bus.Teleph ne No z128286 0518933 Date Work Completed Ves Signature of Technician and/or 1206 MAUG 0 2 2012 2 No Y Y Y Y M M 6 S © Queen's Printer for An 0506P (2007/12)

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REGIONAL MUNICIPALITY OF NIAGARA

Township Concession Lot - house City/Town/Village Postal Code Province housie LILIN 7 Ni Ontario HOFF L Northing Other 164 13810417181463 NAD 8 3 Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form) General Colour Most Common Material Depth (*m/ft)* Other Materials General Description From 1 0 2 2 2 72 MONIJORING 1.) FLLS VCLL OF STER 6 **Results of Well Yield Testing** Annular Space Type of Sealant Used After test of well vield, water was: Depth Set at (m/ft) Volume Placed Draw Down Recovery From (Material and Type) Clear and sand free То Water Level (m^3/ft^3) Time Time Water Level (min) (min) (m/ft) (m/ft) 3 200 Static If pumping discontinued, give reason: į. Level $2 \leq$ \geq 2006155 1 1 Pump intake set at (m/ft) 2 2 3 3 Pumping rate (I/min / GPM) Method of Construction Well Use Commercial 4 4 Cable Tool Rotary (Conventional) Diamond Public
Domestic Not used Duration of pumping Jetting Municipal Dewatering 5⁄ 5 min Rotary (Reverse) Monitoring hrs + Livestock Test Hole Irrigation Cooling & Air Conditioning Final water level end of pumping (m/ft) Digging 10 10 Air percussion Industrial 1421 Ŧ Other, specify Other, specify 15 15 If flowing give rate (I/min / GPIM, **Construction Record - Casing** Status of Well 20 20 Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel) Depth (m/ft) Inside Water Supply Recommended pump depth (m/ft) Wall Diameter Thickness Replacement Well 25 25 From То (cm/in) (cm/in) Test Hole 46 Recommended oump rate 61 . . 30 30 1/1 Recharge Well \mathcal{O} 5 (I/min / GPM) ł Dewatering Well 40 40 Observation and/or Well production (I/min / GPM) Monitoring Hole 50 50 Alteration (Construction) Disinfected? 🗌 Yes 🔣 No 60 60 Abandoned, Insufficient Supply Map of Well Location **Construction Record - Screen** Abandoned. Poor Please provide a map below following instructions on the back. Outside Depth (m/ft) Water Quality Material Diamete (cm/in) Slot No Abandoned, other, (Plastic, Galvanized, Steel From То specify 540 Ę 30 15 Other, specify Water Details Hole Diameter Ð La Depth (m/ft) Water found at Depth Kind of Water: Fresh Untested Diameter Nº U 32 From (cm/in) 15 (m@□Gas □Other, specify 7 10 30 0 Water found at Depth Kind of Water: Fresh Untested (m/ft) Gas Other, specify ______ Water found at Depth Kind of Water: Fresh Untested イナノ Ģ (m/ft) Gas Other, specify ্র Well Contractor and Well Technician Information Business Name of Well Contractor Well Contractor's Licence No. معن ELITE DRILLING 71418 4 Business Address (Street Number/Name) Municipality Comments P.O. Box 20062 CATHARANES Business E-mail Address Province Postal Code LD M 7(J7) nc. area code) Name of Well Technician (Last Name, First Name) Date Package Delivered \mathcal{O} Ministry Use Only t Well owner's information package delivered Audit No. Z 2 2 0 7 3 8 Bus. Telephone No. (inc. area code) (YYYMM) 16878691 LIDINGSTON CHRIS Date Work Completed 🗌 Yes FEB 2 4 2017 15 2 🗌 No 201 9 201 01702 6 ecsived 0506E (2014/11) © Queen's Printer for Ontario, 2014 Ministry's Copy

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General Co	blour Most Com	non Material	Othe	er Materials	Gene	eral Description		Uer	$\frac{1}{\sqrt{2}} = \frac{1}{\sqrt{2}} = 1$	1777 - Santa
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Depth Se	t at (<i>m/f</i> t)	Annular Space Type of Sealant Used		Volume Placed	After test of well yield,	Results of W water was:	ell Yield Te Draw D	own F	Recovery	
From	To	(Material and Type)		(m³/f£3)	Clear and sand Other, specify	free	Time Wat (min)	ter Level Time (m/ft) (min)	Water Level (m/ft)	
	- 40 7ent	onite slan		/ <u> </u>	If pumping discontinue	ed, give reason:	Static **	70		
				-			1 7	3.2 1	742	
		· · · · · · · · · · · · · · · · · · ·			Pump intake set at (m	√ <u>ft)</u>	2 7	G, Z 2	70.5	
План			Maliller		Pumping rate (1/min / 0	G <u>PM)</u>	3. 7	4. j. 3	70.2	
				cial 🗌 Not used	Duration of pumping	*	.4 7	474	70.1	
□ Rotary (C □ Rotary (R	Conventional) 🗌 Jetting Reverse) 🗌 Driving	Domestic	 Municipa Test Hole 	e Dewatering	hrs + Q	min	5 7	* 7 5	70	
Boring	Digging ssion	Industrial	Cooling 8	& Air Conditioning	Final water level end of	of pumping (m/ft)	10 ブ	冬 多 10	20	
Other, sp	ecify <u>(07°arr</u> a a .	C Other, specify			If flowing give rate (Vm	in / GPM)	15 プ	<u>ا چې چې 15</u>		
Inside	Construction R Open Hole OR Material	ecord Casing Dept	:h (<i>m/f<u>t</u>)</i>	Status of Well Water Supply	Recommended pump	o depth (m/ft).	20 🏹	ج کے 20	70	
Diameter (cm/i <u>p)</u>	(Galvanized, Fibreglass, Concrete, Plastic, Steel)	Thickness (cm/in) From	То	Replacement Well Test Hole	180		25 🧷	4 <u>~</u> 7 25	70	
6	Steel	ARE' O	205	Recharge Well Devratoring Well	(<i>I/min / GPM)</i>	rate	30 7	9_8 30	70	
				Observation and/or Monitoring Hele	Well production (1/min	/ GPM)	40 🏹	Gr. 8 40	20	
~~~~~~				Alteration	Disinfected?	<u>+ gpm</u>	50 7	⁷ 4 50	20	
				Abandoned,	Yes 🗌 No		60 7	60	70	1
Outside ·	Construction R	ecord - Screen	b ( <i>m/ft</i> )	Abandoned, Poor Water Quality	Please provide a ma	Map of W ap below followi	ell Locatio	ons on the bac	<u></u>	
Diameter (cm/in)	(Plastic, Galvanized, Steel)	Slot No. From		Abandoned, other, specify	N/A	110th 6				
6	steel	14 205	211		•					
••••	· · <u>·</u> · · ·			Other, specify						
Wotor found	Water De d at Depth	tails		ole Diameter		and a second sec	XA			
	$f(\underline{f}) = Gas = Other, spectrum$	cify	From	To (cm/in)	<u> </u>	6100		·····		
Water found	d at Depth Kind of Water	r: Fresh Untested		$  \mathcal{A} 0   10  $	· 200		<i>[0</i> ]			
Water found	d at Depth Kind of Water	r: Fresh Untested	<u> </u>							
(m	/ <i>ft)</i> Gas Other, <i>spe</i>	ecify				ing for the second s	urunisi dari dikara dari karadara	n generalise om de skrivere og som	analaadaali faalaat gyddalaagaagaaga E	nerež:
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Province	Postal Code	Business E-mail Ad	dress		Well owner's Date F	Package Deliver	ed 1	Ministry Us	e Only	љ ⁴
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Well Tag No. (Place Sticker and/or Print Below)

Tag#:A268829

Regulation 903 Ontario Water Resources Act of Page

NORTH COUNTRY PROPERTIES INC.

Address of Well Location (Street Number/Name)	Τον	wnship	Lot	Concession			<u>1</u>	
<u>EINDERSON</u> BNO	Cit	y/Town/Village		Province		Postal	Code	
LTM Coordinates Zone Cooting Nothing		UXbrid	<u>q</u> <u>e</u>	Onta	ario			
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Overburden and Bedrock Materials/Abandonment S	ealing Record	d (see instructions on the	back of this form)	ing dan G		Dep	th ( <i>m/ft</i> )	
General Colour Most Common Material	Othe			•		From 7		
Graver			-CNP			<u>0</u> 6	130	
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Annular Space			Results of W	ell Yiel	d Testing	<u>/////////////////////////////////////</u>		
Depth Set at ( <i>m/ft</i> ) Type of Sealant Used From To ( <i>Material and Type</i> )	1	Volume Placed (m ³ /ff ³ )	After test of well yield, water was:	Time	Water Leve	I Time	Water Level	
8 0 Bentonite				(min) Static	(m/ft)	(min)	(m/ft)	
	, A.		In particing discontraced, give reason	Level		1		
			Pump intake set at (m/ft)	<u> </u>				
				2		2		
Method of Construction	Well Use		Pumping rate (Vmin / GPM)	3		3	····	
Cable Tool Diamond Dublic	Commerc	cial 🔄 Not used	Duration of pumping	4		4		
Rotary (Reverse)     Driving     Livestock     Bodge     Discipa	Test Hole	Air Conditioning	Final water level end of pumping (m/	0		0		
Air percussion AILARY			,			10		
	Abertaren anaartek	Status of Well	If flowing give rate (I/min / GPM)	15		15		
Inside Open Hole OR Material Wall De	epth ( <i>m/ft</i> )	Water Supply	Recommended pump depth (m/ft)			20		
(cm/in) Concrete, Plastic, Steel) (cm/in) From	To		Recommended pump rate	25		25		
2" Plastic 4 0	10	Recharge Well     Dewatering Well	(I/min / GPM)	30		30		
		Observation and/or Monitoring Hole	Well production (I/min / GPM)	40		40		
		Alteration (Construction)	Disinfected?			50		
		Abandoned, Insufficient Supply	Yes No			БО	an a	
Construction Record - Screen	epth ( <i>m/ft</i> )	Abandoned, Poor Water Quality	Please provide a map below follow	ven Lo	ructions on	the bac	<u>k.</u>	
Diameter (Plastic, Galvanized, Steel) Slot No. From	То	Abandoned, other, specify		61	<u>v0</u>			
2" Plastic ,10 10	20		len len		1 8			
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N/A (mtt) Gas Other, specify	ー 入	To (cm/in)		10m	J		And a second second second	
Water found at Depth Kind of Water: Fresh Untest	ted O	20 6						
Water found at Depth Kind of Water: Fresh Untest	ted						1	
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Drilltech Drilling Ltd		1360	Hnderson	n Blud				
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Ministry of the Environment, Conservation and Parks Measurements recorded in: 🗌 Metric 🗌 Imperial

Well Tag No. (Place Sticker and/or Print Below)

Tag#:A268828

Regulation 903 Ontario Water Resources Act of Page_

NORTH COUNTRY PROPERTIES INC.

Address of Well Location	on (Street Number/Name)	Tc	ownship	Lot	(	Concession		
County/District/Municip	pality	Ci	ity/Town/Village	a 0	Provinc	e Tria	Postal	Code
UTM Coordinates Zon	e Easting	M	unicipal Plan and Sublot	Number	Other			
NAD 8 3	1642063431	CACL Sealing Recor	rd (see instructions on the	back of this form)	Meromon			
General Colour	Most Common Material	Othe	er Materials	General Description	1		Dep From	th ( <i>m/ft</i> ) To
	Gravel			5			0	6
	Silt	+11		bravel			5	20
					all Viel	. Teofina		
Depth Set at (m/ft)	Type of Sealant Us	ed	Volume Placed	After test of well yield, water was:		aw Down	R	ecovery
	(Material and Type)	)	(m³/ft³)	Clear and sand free  Other, specify	Time (min)	Water Leve (m/ft)	Time (min)	Water Level (m/ft)
	Demonice			If pumping discontinued, give reason	Level			
					1		1	
				Pump intake set at (m/n)	2		2	
Method of Cc	onstruction	Well Us	e	Pumping rate (I/min / GPM)	3		3	
Cable Tool	Diamond Diamond Dublic	🗌 Commer 🗌 Municipa	cial 🗌 Not used	Duration of pumping	4		4	
Rotary (Reverse)     Boring	Driving Livestock	Test Hole Cooling 8	e <b>"M</b> onitoring & Air Conditioning	Final water level end of pumping (m/h	9 10		10	
Air percussion	JQCY Industrial	cify			15		15	
Cc	onstruction Record - Casing		Status of Well	In nowing give rate (until / GPW)	20		20	
Inside Open Ho Diameter (Galvaniz	Ne OR Material Wall I red, Fibreglass, Thickness Blactic Steel) (cm/rs) FD	Depth( <i>m/ft)</i> m │ To	Water Supply	Recommended pump depth (m/ft)	25		25	
2" Pla	stic Ht A	16	Test Hole	Recommended pump rate (//min / GPM)	30		30	
			Dewatering Well     Observation and/or	Well production (//min / GPM)	40		40	
			Monitoring Hole		50		50	
			<ul> <li>(Construction)</li> <li>Abandoned,</li> </ul>		60		60	
Ce	onstruction Record - Screen		Abandoned, Poor Water Quality	Map of V Please provide a map below follow	Vell Loc	ation uctions on t	the bac	<u>ing (2016) (2016)</u> k.
Diameter (cm/in)	Aateriai alvanized, Steel) Slot No. Fro		Abandoned, other,		~	n P	pal	k
2" Plan	stic .10 la	20		·	NE	T.	ξ	
				l de la companya de la	7	$\downarrow$	Υ	
Water found at Depth	Water Details	Hested Dept	th (m/ft) Diameter		500	$\rightarrow$ •		
	s Other, specify	From From			46	m		
( <i>m/ft</i> ) Gas	s Other, specify							and the second
Water found at Depth	Kind of Water: Fresh Unters	ested						20 The survey of the Survey
	Well Contractor and Well Tech	nician Informat	tion					)
Business Name of We	h Drilling Ltd	We	7   3   0   0	Anderson	BI	29		
Business Address (St	Pry 600 RISC	ML ML	inicipality Province t	Comments:		*****		
Province	Postal Code   Business E-ma	il Address	talla		<b></b>	engelen <b>in a</b> bezen	and the second second	
Bus.Telephone No. (in	c. area code, Name of Well Technic	zian (Laşt Name,	Tirst Name)	Information		Audit No.	za 1	2397
MOBTINT Well Technician's Licence	1541/L Desbien	5 Gill	15 ste Submitted	delivered Date Work Complete	d d		~ 11 4	- U L 1
354	7	6	401907160	I NO ZOILYOT	65	Received	JL_ I	~ 2013
0506E (2018/12)			Ministry's Copy	1		© Queen	s Hunter:	or Untario, 2018





Tag#:A268827

Regulation 903 Ontario Water Resources Act
Page_____ of _____

NORTH COUNTRY PROPERTIES

Measurements recorded in: 🗌 Metric 📄 Imperial

Address of Well Lo	Scation (Street Num)	per/Name)	Tc	ownship	Lot	Concession	Concession		
County/District/Mu	unicipality		Ci	ity/Town/Village	dal	Province Ontario	Postal	Code	
UTM Coordinates NAD 83	Zone Easting	69487	6219	unicipal Plan and Sublot	Number	Other	, <u>, , , , , , , , , , , , , , , , , , </u>		
Overburden and	1 Bedrock Materia	ils/Abandonmen	t Sealing Recor	rd (see instructions on the	back of this form)		Dept	h ( <i>m/ft</i> )	
			Unit				From C	<u>то</u>	
	Grav	<u> </u>	1.	1	1.010		$\frac{0}{4}$	26	
	6111		-11		Graver		0	00	
	· · · ·								
	· .								
	Masan Serie Series	Annular Space	9		Results of We	ell Yield Testing		lines filles a	
Depth Set at ( <i>n</i> From   T	u⁄ft) ïo	Type of Sealant Us (Material and Type	sed e)	Volume Placed (m ³ /ft ³ )	After test of well yield, water was:	Time Water Leve	I Time V	Nater Level	
18 0	Be	ntanite			Other, specify	(min) (m/ft)	(min)	(m/ft)	
		1001000			If pumping discontinued, give reason:	Level			
						1	1		
					Pump intake set at (m/ft)	2	2		
					Pumping rate (//min / GPM)	3	3		
Method o	of Construction		Well Us	e		4	4		
Rotary (Conven	tional)		🗌 Commer	I Dewatering	Duration of pumping	5	5		
Rotary (Reverse	e) Driving		Test Hole	e Monitoring	Final water level and of pumping (m/ft)				
Air percussion	ALLANC	industrial		a Air Conditioning		10	10		
Other, specify _	Troger	Other, spe	cify		If flowing give rate (Vmin / GPM)	15	15		
		wall	Depth ( <i>m/i</i> fi)	Water Supply	Recommended nump depth (m/ft)	20	20		
Diameter (Gal (cm/in) Con	vanized, Fibreglass, crete, Plastic, Steel)	Thickness (cm/in) Fro	m ∣ To	Replacement Well	· · · · · · · · · · · · · · · · · · ·	25	25		
7" 0	OCTO	Jul 1	1 20	Recharge Well	Recommended pump rate	30	30		
	USIC			Dewatering Well		40	40		
				Monitoring Hole	Well production (Vmin / GPM)	50	50		
				Alteration (Construction)	Disinfected?	60	60		
				Abandoned, Insufficient Supply					
	Construction R	ecord - Screen	Dopth (mff)	Abandoned, Poor Water Quality	Nap of W Please provide a map below followi	ng instructions on	the back	<u>.</u>	
Diameter (cm/in) (Plas	Material tic, Galvanized, Steel)	Slot No. Fro		Abandoned, other,		and			
Nº P	actic		1 20	specny		SOIVE			
	autic	.10 0		Other, <i>specify</i>	Y Y		$\langle $		
	Motor Dot	allactics.com	Contrast conservations of	lolo Diamator	de		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		
Water found at D	epth Kind of Water	: Fresh Unt	ested Dept	th ( <i>m/ft</i> ) Diameter	H H	$\longleftrightarrow$	)		
<u>    + (m/ft)</u> [	Gas Other, spe	ecify	From	70 (cm/in)		glom		10.04	
Water found at D	epth Kind of Water	r: ∐Fresh ∐Unti voifu	ested	00 k		l (bir)			
Water found at D	epth Kind of Water	: Fresh Unt	ested						
(m/ft)	]Gas Other, spe	ecify							
Distance Management	Well Contracto	or and Well Tech	nician Informat	ion		<u> </u>		)	
Orill+	och Dril	ling 1+1			Andersor	1 Blud			
Business Addres	s (Street Number/Na	ame)	Mu Mu	inicipality	Comments:				
1344	Kerri 600	UP BIVO		Jewmarlt T					
	LIZIVISN	G CLTINA	ech Odri	Iting HA. ran	Well owner's Date Package Deliver	red Mini	stry Use	Only	
Bus. Telephone No	o. (inc. area code) Na	ame of Weil Techni	cian (Last Name,	First Name)	package	Audit No.	<b>z</b> 312	2328	
M651	/11/04//	ULG DILI	15 G1	126	Date Work Completed	1		ວັ <b>ງຄ</b> າງ	
		s rechnician and		011907100	Reithorn	65 Received	ר ז'	2013	
0506E (2018/12)				Ministry's Copy		© Queen	's Printer fo	or Ontario, 2018	

Ministry of the Environment <b>Ontario</b> and Climate Change Measurements recorded in:	Tag N: Tag#: A250264 A256264	<b>Regulation 903 Ontario W</b> Pag	eof
Address of Well Location (Street Number/Name)	Township	Lot Concessi	ion 9
County/District/Municipality	City/Town/Village	Province	Postal Code
UTM Coordinates Zone , Easting , Northing	Municipal Plan and Sublot Number	Official IO	L7/1/1
NAD 8 3 17 640460 487 4951			
Overburden and Bedrock Materials/Abandonment Sealing Re General Colour Most Common Material	Other Materials	eneral Description	Depth ( <i>m/ft</i> ) From To
Bana Clay 101 Gra	vel He	arel	017
Yellow Grace / Clay			17 51
Brown Gravel	Loise		51 64
Brown Sand/Silf		<u> </u>	64 85
Brown Clay 15:17			15 120
Brown Sahd	Clea	<u>4</u>	113 122
			1 
Annular Space		Results of Well Yield Testin	9
Depth Set at ( <i>m/ft</i> ) Type of Sealant Used From To (Material and Type)	Volume Placed After test of well yi (m³/ft³) Clear and sa	eld, water was: Draw Dowr nd free Time Water Li	evel Time Water Level
0 4 Hole Plan	2.5 Bigs Other, specify	V (m/ft) tipued give reason: Static (m/ft)	(min) $(m/t)$
4 20 Quict Grante			$p_1 5 p_q$
	Pump intake set a	t (m/ft)	725/1
	110	FT 266.	-3551
Method of Construction Well	IUse Pumpin's rate (1/mi	GPM 61	S = S = S = S = S = S = S = S = S = S =
Cable roor     Dramond     Public     Conventional     Dramond     Dramon	nicipal Dewatering Duration of pumpi	ng 5 7	a 5 547
Rotary (Reverse)     Driving     Livestock     Test     Boring     Digging     Imigation     Digging	t Hole I Monitoring I(	and of pumping $(m/ft)$ 10 / $\nabla$	10 547
Air percussion  Other, specify  Other, specify	68.		1 15 (17)
Construction Record - Casing	Status of Well		1 20 511
Inside Open Hole OR Material Wall Depth ( <i>m/ft</i> ) Diameter (Galvanized, Fibreglass, Thickness	Water Supply Recommended p	ump depth (m/ft)	$\frac{1}{25} \frac{7}{25}$
(cm/in) Concrete, Plastic, Šteel) (cm/in) From To	Test Hole Recommended p	ump rate	
6.23 Steel 181 +2 112	Dewatering Well     (I/min / GPM)	6 6PM all	1 10 57.1
	Observation and/or Well production (//	min/GPM)	1 40 37.1

20+6PM Monitoring Hole 50 50 Alteration Disinfected? (Construction) 60 60 W. Yes No Abandoned, Insufficient Supply Map of Well Location **Construction Record - Screen** Abandoned, Poor Please provide a map below following instructions on the back. Outside Water Quality 30 FT to North Lot Lia-50 FT to East r. -1 Depth (m/ft) Material Diameter Slot No. Abandoned, other, (Plastic, Galvanized, Steel) То From (cm/in) specify 22 118 .008 Stainless Cairo 6 Other, specify 118 Stee 16 ما « V ž Swell Hole Diameter Water Details <u>____</u> Water found at Depth Kind of Water: Fresh Untested Depth (m/ft) Diameter Τo (cm/in) From (m/ft) Gas Other, specify 4 0 20 O Water found at Depth Kind of Water. Fresh Untested 2 House (*m/ft*) Gas Other, specify 20 22 6.6 Water found at Depth Kind of Water: Fresh Untested (m/ft) Gas Other, specify Well Contractor and Well Technician Information **Business Name of Well Contractor** Well Contractor's Licence No. 270 Dale Baraniesti V. Business Address (Street Number/Name) Well Drilling Bloomington Ko Municipality Comments: SA S sattv. 11e relan Province Postal Code Business E-mail Address Ministry Use Only 24A2M4 Date Package Delivered Well owner's information Audit No. ZQ 24111004 Bus. Telephone No. (inc. area code) Name of Well Technician (Last Name, First Name) package delivered 7342 R9151 90 Baraniest;  $\mathcal{D}$ Date Work Completed Yes Well Technician's Licence No. Signature of Technician and/or Contractor Date Submitted 261191004 Received OCT 30 2019 No No YYYYMMDD<mark>D</mark>No **}**4 I)-----ーク





#### **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 *
							A 27775	0
Type *								
Construction	י 🗌 ו	Abandonm	nent					
Measurement	recorded i	n: *						
✓ Metric		mperial						
1. Well Own	er's Infor	mation						
Last Name and	First Name	e, or Orgai	nization is m	nandatory. *				
Last Name					First Na	ame		
Organization								
Hans Steel Ca	anada Cor	p.			Email	Address		
Current Addre	SS							
Unit Number	Street	Number *	Street N	Name *			City/Town/Villag	e
Country Canada				Province			Postal Code	Telephone Number
2 Well Loca	tion			Ontario				
Unit Number	Street Nur	nber *	Street Nam Sangster F	e * Road			Township Uxbridge	
Lot 14			Concession 1	١		County/Dist Durham	rict/Municipality	
City/Town Uxbridge						Province Ontario		Postal Code L9P 0C7
UTM Coordinat	es Zone *	Easting '	No	orthing *			Municipal Plan	and Sublot Number
NAD 83	17	641155	5 48	875305	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	Depth To	Type of Sealant Used (Material and Type)	Volume Placed									
(m)	(m)		(cubic metres)									
0	2.8	bentonite	0.022									
2.8	4.6	filter sand	0.027									

5. Method of Constr	uction *						
Cable Tool	otary (Conventional)	Rotary (Reverse)		] Boring 🔄 Air	perci	ussion 🗌 Dia	amond
Jetting D	riving 🗌 Digging	Rotary (Air)	✓	] Augering 🗌 Dir	ect P	ush	
Other (specify)							
6. Well Use *							
Public	Industrial	Cooling & Air Co	onditic	oning			
Domestic	Commercial	Not Used					
Livestock	Municipal	Monitoring					
Irrigation	Test Hole	Dewatering					
Other (specify)							
7. Status of Well *							
Water Supply	Replaceme	ent Well	Τe	est Hole			
Recharge Well	Dewatering	Well	V Oł	bservation and/or	Monit	oring Hole	
Alteration (Construct	tion) 🗌 Abandoned	I, Insufficient Supply [	At	bandoned, Poor W	/ater (	Quality	
Abandoned, other (s	specify)						
Other (specify)							
8. Construction Rec	ord - Casing * (use	e negative number(s) to	indica	ate depth above g	round	l surface)	
Inside Diameter	Open Hole <b>or</b> Materia	al (Galvanized, Fibregla Plastic, Steel)	ass,	Wall Thickness		Depth From	Depth To
(cm)		,,,				(m)	(m)

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							

0.65

0

Plastic

5

3.1

10 Water Det	ails													
Water found at	Donth			Gas	Kind of	votor		h 🗆 I	Intected		thor			
vvater lound at	Depth		(m)	Gas		valer			Jilesleu		liiei			
11. Hole Diam	neter							-T						
De	epth Fron	n			Depth	То					Diamete	r		
	(m)				(m	)					(cm)			
	0				4.6	5					11.4			
12. Results of	f Well Y	ield Te	esting											
Pumping Dis	scontinue	d												
Explain														
If flowing give ra	ate													
Flowing	Elowing (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									1	1	1	1		
Time (mir	ı)	1	2	3	4	5	10	15	20	25	30	40	50	60
Water Lev (m)	el													
After test of wel	l yield, w	ater wa	S		I									
Clear and sa	and free	Oth	ner (spec	cify)										
Pump intake se	t at Pum	nping ra	ite	Duratio	n of pump	oing		Final w	ater leve	I end of	pumping	g Dis	infected	? *
	(m)		(L/min)		hrs +		min				(m)		Yes 🗸	No
Recommended	pump de	pth	Recom	mended	pump rat	e  V	Vell produc	ction						
		(m)			(L/m	n)			(L/min)					
13. Map of We	ell Loca	tion *												
Map 1. Please Cl	ick the ma	ip area b	pelow to i	mport an	image file	to use	e as the ma	р.	🗌 Mał	ke map a	area bigo	ger		



14. Information		
Well owner's information package delivered	Date Package Delivered (yyyy/mm/dd)	Date Work Completed (yyyy/mm/dd) * 2019/12/09
Comments		

15. Well Cont	tractor and We	ell Te	chnician	Information				
Business Name Sonic Soil Sai	e of Well Contrac mpling Inc.	tor *				Well Cont 7147	ractor's Licens	se Number *
<b>Business Add</b>	ress					•		
Unit Number 15	Street Number 668	S	Street Nam <mark>Millway</mark> Av	e * /enue				
City/Town/Villa Concord	ge *				Prov Ont	/ince <mark>ario</mark>		Postal Code * L4K 3V2
Business Telep 905-660-0501	hone Number	Busir <mark>soni</mark>	ness Email <mark>c@sonics</mark>	Address oil.com				
Last Name of V Anderson	Vell Technician *			First Name of Well Technic Greg	cian *		Well Technici 3398	an's License Number *
16. Declaration	on *							
✓ I hereby cor and accurat	nfirm that I am th e.	e pers	son who co	nstructed the well and I her	eby c	onfirm that	the informatio	on on the form is correct
Last Name Archibald			First Na Alan	ame		Email Add sonic@s	lress onicsoil.com	
Signature						Date Subi	mitted (yyyy/m	m/dd)
Alan			Digitally signed DN: cn=Alan, o c=CA Date: 2020.01.	l by Alan ∋=Sonic Soil Sampling Inc., ou, email=sonic@sonnicsoil.c 06 09:55:41 -05′00'	xom,		2020/	01/06
17. Ministry l	Jse Only							
Audit Number								
O6RW 7XLW								



# 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 Material s	General Descriptio n	Dep th Fro m	De pth 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	Depth	Type of Sealant Used	Volume
From	To	(Material and Type)	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-ministryenvironment-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

£70	ontario	Ministry and Clir	of the Envi	ronment e	GH Well Ta	ho - 11 Ig No. (Plac	(1973) se Sticker an	94-01 nd/or Print Below チュ	) Regulation	n 903 Ontario	Well R Water Res	Record
Measurem	ents record	ded in: 📋 N	Metric 🖌	Imperial	and a local de la construction d	1120	07			Pa	ige	
First Name	ner's Info	rmation	ast Name / 0	Organizatio	Ð			E-mail Addr	ess			
			GRAU	BOYS	Hou	DINGS	IVC.				by We	ell Owner
Mailing Add	dress (Stree	t Number/Nam	ne)'			Municipality	,	Province	Postal Code		ne No. (inc.	area code)
145 Well Loca	3 OL	<u>-D FURI</u>	ess iz	<u>^.</u>		Puun	endly	<u> 0~1774</u>	<u>40  L       </u>	<u>                                     </u>		
Address of	Well Location	on (Street Nun	nber/Name)			Township			Lot	Conces	sion	
County/Dist	69 y	ORK D	in the	1 41	E	City/Town/Vill				Province	Postal	
County/Dis	surcentratineip	Janty				Circle	AL VA	LEY		Ontario		
UTM Coord	dinates Zone	e Easting	N	orthing		Municipal Pla	in and Sublo	t Number	<u> </u>	Other		
NAD			8 7 4 4 4	8744 1900-001 Se	<u> </u>	ord (see instr	uctions on the	back of this form				
General Co	Solour	Most Comr	non Material	ingeneration of the second	Ot	her Materials	ini suka sha suka suka		General Description	<u>ו</u>	Dep	
Brow	n	Sand a	nd Gr	avel.	Fill							Ĩ
Grey	,	Silly	Sand		/ G	ravel					$\downarrow$	2
light Bro	own fo	Silv	Sand	Till		ravel. C	Dec Cob	bles wet	-20.5		2	15
Gray			<u>Curry</u>	,		<u>,</u>			@1275			
												<u> </u>
_												
									· ·	<u> </u>	-	+
			Annular	Space					Pacings 57 W	Mary Constraint Bernarden		
Depth Se	et at ( <i>m/ft</i> )		Type of Sea	alant Used		Volume	Placed	After test of well	yield, water was:	Draw Dov		ecovery
	0	B.	(Material ar	Id Type)			<u>שאי</u> ערי	Chear and s	and free :ifv	( <i>min</i> ) ( <i>m/</i>	_evel Time t) (min)	Water Level (m/ft)
	8	100	ntoni	<u>1</u> e			7	If pumping disce	ntinued, give reason:	Static		
					-					1		<u>.</u>
								Pump intake set	at (m/ft)	2	2	
Meth	hod of Co	nstruction			Well Us	5 <b>0</b>		Pumping rate (1/n	nin / GPM)			
Cable To	ol Conventional)	Diamond	I Pul	blic mestic		ərcial 🗌 xal 🗆	Not used Dewatering	Duration of pump	ping	<b>\</b>	4	
Rotary (F	Reverse)			estock	Test Ho	ple 🛛	Monitoring	hrs +	min	5	5	
Air percu:	Ission		Imę	yation ustrial		8 Air Conditio	ning	Final water level	end of pumping (m/ft,	10	10	
Other, sp	oecify			ner, specify				If flowing give rat	e (l/min / GPM)	15	15	
Inside		nstruction R	ecord - Cas	ing Dent	b (m/#)		of Well	<b>D</b>		20	20	
Diameter	(Galvanize	e OR Material ed, Fibreglass, Plantic Stool)	Thickness	From	П ( <i>ПИ</i> )   То		ement Well	Recommended p	pump deptn <i>(m/it)</i>	25	- 25	
			lin			Test Hol     Rechard	le ne Well	Recommended p	oump rate	30	30	
<u> </u>		VC	18	$\overline{\mathcal{O}}$	$\mu n$		ring Well	(vmin / GPM)		40		$\leftarrow$
					<u> </u>	- Observa - Monitori	ation and/or ing Hole	Well production (	Vmin / GPM)			
						Alteratio	n uction)	Disinfected?		50	50	<u> </u>
						Abando	ned,	Yes No	o 	60	60	
Outeride	Coi	nstruction R	ecord - Scr	een _			ned, Poor	Please are ide	Map of W	ell Location		
Diameter (cm/in)	Ma (Plastic, Gal	aterial Ivanized, Steel)	Slot No.	Depti From	n( <i>m/tt)</i>   To	vvater C	ned, other,		a map below 10110W	ng msuucdons	on the back	1 >
2/8	Ø	110	10	10	15	specify			1			N
	<u> </u>	VC	10	10	1.15	Other, s	pecify		1	•		
Sentimenter	Hallableut the standard and and	n)(1996))maanay (d)	Joseph Town Differences and the	and and a second se	n szerent a szeren a	4200Water.1=.11	Anogue glabanes of other street	ļ	at #	- Y ) R. JEWA 	7	
Water found	d at Depth	Kind of Water	alls	Untested	Der	tole Diamet oth (m/ft)	Diameter		KI# +4	HORSE		
7.5 (m	f∰ ⊡ Gas	Other, spe	cify		From	To	(cm(in)		₹ <u>-</u> 1	·/		
Water found	d at Depth	Kind of Water	: Fresh [	Untested	$\left  O \right $	15	6		Prices			
(m) Water found	<i>⊻π)</i> ∐Gas dat Depth	Uther, spe Kind of Water	:∏Fresh 「	Untested					4	- Jan	Junia	ML.Je
(m	n/ft) □Gas	Other, spe	cify									
	W	ell Contracto	or and Well	Technicia	nilofoma	lion			ı			
	ame of Well	Contractor	and &	J.1.	W	ell Contractor's 7-1 -> 1 4	Licence No.	1				
Business Ac	ddress (Stre	et Number/Na		-~ <i>L</i> .	M	unicipality		Comments:				
520	65 :	Sinon	طا کا		<u> </u>	inno	1017					
	Pc مريد م	ostal Code   _ احدا ا	Business	; ⊨-mail Ado	aress	a de s		Well owner's	ate Package Deliver	ed 🚺	NSRAIS	Only
Bus.Telepho	one No. (inc.	<u>∔ /   7   /   A</u> area code)   Na	ume of Well T	<u>n (Souls</u> Behnician (	<i>طب مدہ</i> Last Name,	First Name)	erer.c.	information package		Audit N	• <b>Z</b> 2 ∩	7816
9056		1125	NETO	Ne	SON				ate Work Completed			
	ianis Licence	NO.  Signature		n and/or 60		ane Submitted اهما تعارض	a ala		L'N V S MIRI	3-6	AR 252	UXU
0506E (2014/1	11)	- Fla		Adde	- 0	Ministr	y's Copy	L	<u> </u>	© Qu	en's Printer fo	r Ontario, 2014



(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: 7377481Well 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 Material s	General Descriptio n	Dep th Fro m	Dep th To

# Annular Space/Abandonment Sealing Record

Depth From
---------------

## 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	Material	Depth	Depth
Diameter		From	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-ministryenvironment-map#wells)

Technical documentation: Metadata record (https://data.ontario.ca/dataset/wellrecords/resource/3031344e-e3f2-48d5-888c-c1deadfd2f77)

> Updated: October 18, 2021 Published: March 20, 2014



# **Appendix II – Borehole Drill Log**



#### Flexible. Dependable. On-site Engineering.

PROJECT NUMBER
PROJECT NAME 123 Durham Regional Hwy 47
CLIENT
ADDRESS 123 Hwy 47, Stouffville
DRILLING DATE 07/10/2023
LICENCE NO. C-7691

#### DRILLING COMPANY King EPCM DRILLER Chris, Leng DRILL RIG Little Beaver DRILLING METHOD Solid Auger TOTAL DEPTH 6.1 m DIAMETER 2.5 in

CASING 2 inch

COORDINATES 641617.133 m E, 4875221.249 m N COORD SYS UTM-17 SURFACE ELEVATION 336.888 m WELL TOC None LOGGED BY Chris Chen CHECKED BY Tony Wang, P Eng, Principal Engineer

SCREEN 2 inch

COMPLETION

#### COMMENTS

Depth (m)	Graphic Log	USCS SAMPLES	Material Description	Additional Observations	Well Installation	Elevation (m)
0.5 1 1.5 2 2.5 3 3.5		PEAT USCS: CL USCS:CL USCS:ML	Top soil, black, moist Brown sandy clay, dry Brown sandy clay, moist Brown silt	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 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		5         -336.5         -335.5         -335.5         -334.5         -334.5         -333.5
4						333
4.5						-332.5 -332
5.5						- 331.5 331
			Termination Depth at: 6.1 m			330 5



#### Flexible. Dependable. On-site Engineering.

#### PROJECT NUMBER

PROJECT NAME 123 Durham Regional Hwy 47 CLIENT ADDRESS 123 Hwy 47, Stouffville DRILLING DATE 06/06/2023 LICENCE NO. C-7691

#### DRILLING COMPANY King EPCM DRILLER Chris, Leng DRILL RIG Little Beaver DRILLING METHOD Solid Auger TOTAL DEPTH 4.6 m DIAMETER 2.5 in

CASING 2 inch

COORDINATES 641637.00 m E, 4875246.00 m N COORD SYS UTM-17 SURFACE ELEVATION NEED TO FILL LATER AMSL WELL TOC None LOGGED BY Chris Chen CHECKED BY Tony Wang, P Eng, Principal Engineer

SCREEN 2 inch

COMPLETION

#### COMMENTS

Depth (m)	Graphic Log	USCS SAMPLES	Material Description	Additional Observations	V Inst	Well Installation		Elevation (m)
0.2		PEAT	Top soil, black, moist		•			 177.4
- 0.4		USCS: CL	Brown sandy clay, dry				· · ·	177.2 
0.6					· ·			- 177 - - -
- 0.8				Bearing capacity tested at 1.5m deep showing	· .			176.8  
				1400kPa resistance with less than 0.5cm displacement				 
- 1.4				Shear vane tested at minimum 130kPa				176.2
- 1.6				resistance at 1.5m deep			· · ·	- 176
- 1.8		USCS:GC	Sandy gravelly clay, moist	-				_ 175.8 
2					· . · .		· · ·	- 175.6
- 2.2				Bearing capacity tested at 3.0m			· · ·	- 175.4 - - 175.2
- 2.4		USCS:CL	Sandy clay, wet	showing 1400kPa resistance with less than 0.5cm			• • •	- 175
- 2.8				displacement Shear vane tested at minimum	••• •••		· · ·	 174.8
- 3				resistance at 3.0m deep				174.6 
- 3.2					· · · · .			- 174.4
- 3.4					•••		· · ·	174.2   174
- 3.8								173.8
-4			Prown silt					 173.6
4.2								173.4 
4.4								- 173.2 -
4.6	<u> 다리아니라 다 라이란 라이</u> 다.		Termination Depth at: 4.6 m		ŀ.			- <u>173</u> - - - 172 8
<u> </u>								_ 172.0



#### Flexible. Dependable. On-site Engineering.

#### PROJECT NUMBER

PROJECT NAME 123 Durham Regional Hwy 47 CLIENT ADDRESS 123 Hwy 47, Stouffville DRILLING DATE 07/07/2023 LICENCE NO. C-7691

#### DRILLING COMPANY King EPCM DRILLER Chris, Leng DRILL RIG Little Beaver DRILLING METHOD Solid Auger TOTAL DEPTH 4.6 m DIAMETER 2.5 in

CASING 2 inch

COORDINATES 641655.03 m E, 4875173.64 m N COORD SYS UTM-17 SURFACE ELEVATION NEED TO FILL LATER AMSL WELL TOC None LOGGED BY Chris Chen CHECKED BY Tony Wang, P Eng, Principal Engineer

SCREEN 2 inch

COMPLETION

#### COMMENTS

Depth (m)	Graphic Log	USCS SAMPLES	Material Description	Additional Observations	Well Installation (ш) Ш
0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2 2.2 2.4 2.6 3.2 3.4 3.6 3.8 4 4.2		PEAT USCS: CL USCS:GC USCS:ML	Top soil, black, moist Brown sandy clay, dry Sandy gravelly clay, moist Brown silt	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 showing 1400kPa resistance with less than 0.5cm displacement Shear vane tested at minimum 130kPa resistance at 3.0m deep	Installation     Jean       177.4       177.4       177.4       177.4       177.4       177.4       177.4       177.4       177.4       177.4       177.4       177.4       177.4       177.4       176.4       176.4       176.4       176.4       176.4       176.4       176.4       177.4       175.4       175.4       175.4       175.4       175.4       175.4       175.4       175.4       175.4       175.4       175.4       175.4       175.4       175.4       175.4       175.4       175.4       175.4       175.4       175.4       175.4       174.4       174.4       174.4       174.4       173.4       173.4
- 4.4 - - - - - - - - - - - - - - - - - -			Termination Depth at: 4.6 m		- 173. - 173. - 173.



# Flexible. Dependable. On-site Engineering.

PROJECT NUMBER	DRILLING COMPANY King EPCM
PROJECT NAME 123 Durham Regional Hwy 47	DRILLER Chris, Leng
CLIENT	DRILL RIG Little Beaver
ADDRESS 123 Hwy 47, Stouffville	DRILLING METHOD Solid Auger
DRILLING DATE 05/18/2023	TOTAL DEPTH 4.5 m
LICENCE NO. C-7691	DIAMETER 2.5 in

CASING 2 inch

COORDINATES 641513.50m E, 4875068.359m N COORD SYS UTM-17 SURFACE ELEVATION 334.670 m WELL TOC None LOGGED BY Chris Chen CHECKED BY Tony Wang, P Eng, Principal Engineer

SCREEN 2 inch

COMPLETION

#### COMMENTS

Email     Graphic Log     USCS SAMPLES     Material Description     Additional Observat       0.2     Image: Comparison of the second s	ions Well Installation
0.2     PEAT     Top soil, black, moist       0.4     USCS: CL     Brown sandy clay, dry	- 334.6 - 334.2 - 334.2 - 334.2 - 334.2 - 334.2 - 333.8
0.4 USCS: CL Brown sandy clay, dry 0.6	- 334.2
	- 334
	333.6
	- 333.4
1.4 DCP test performed at 1	.5m
1.6	- 333
1.8	
2	- 332.6
2.2	-332.4
2.4	- 332.2
2.6	332
2.8	331.6
- 3 ///////////////////////////////////	<u>.0m </u>
3.2	
3.4	331.2
3.6	
3.8 UIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	
	330.6
4.2 V////////////////////////////////////	330.4
4.4 USCS:ML Brown silt	330.2
4.6 Termination Depth at: 4.5 m	- 330

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Page 1 of 1



# Flexible. Dependable. On-site Engineering.

PROJECT NUMBER	DRI
PROJECT NAME 123 Durham Regional Hwy 47	DRI
CLIENT	DRI
ADDRESS 123 Hwy 47, Stouffville	DRI
DRILLING DATE 05/25/2023	тот
LICENCE NO. C-7691	DIA

#### DRILLING COMPANY King EPCM DRILLER Chris, Leng DRILL RIG Little Beaver DRILLING METHOD Solid Auger TOTAL DEPTH 4.5 m DIAMETER 2.5 in

CASING 2 inch

COORDINATES 641435.399m E, 4874952.450 m N COORD SYS UTM-17 SURFACE ELEVATION 329.933m WELL TOC None LOGGED BY Chris Chen CHECKED BY Tony Wang, P Eng, Principal Engineer

SCREEN 2 inch

COMPLETION

#### COMMENTS

	1			1		
Depth (m)	Graphic Log	USCS SAMPLES	Material Description	Additional Observations	Well Installation	Elevation (m)
<b>a</b> 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2 2.2 2.4 2.6 2.8 3 3.2 3.4 3.6 3.8 3.4 3.6 3.8 4 4.2		PEAT USCS: CL	Top soil, black, moist         Brown sandy clay, dry         Brown sandy clay, moist, medium plastic	DCP test performed at 1.5m 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		ш 329.8 329.6 329.4 329.2 328 328.8 328.6 328.4 328.2 328.2 328.2 327.8 327.6 327.4 327.2 327.4 327.2 327.4 327.2 326.8 326.6 326.4 326.2 326.2 326.2 326.3
4.6	<u> ////////////////////////////////////</u>		Termination Depth at: 4.5 m			325.4



#### Flexible. Dependable. On-site Engineering.

PROJECT NUMBER
PROJECT NAME 123 Durham Regional Hwy 47
CLIENT
ADDRESS 123 Hwy 47, Stouffville
DRILLING DATE 05/24/2023
LICENCE NO. C-7691

#### DRILLING COMPANY King EPCM DRILLER Chris, Leng DRILL RIG Little Beaver DRILLING METHOD Solid Auger TOTAL DEPTH 4.5 m DIAMETER 2.5 in

CASING 2 inch

COORDINATES 641754.682m E, 641754.682m N COORD SYS UTM-17 SURFACE ELEVATION 336.035m WELL TOC None LOGGED BY Chris Chen CHECKED BY Tony Wang, P Eng, Principal Engineer

SCREEN 2 inch

COMPLETION

#### COMMENTS

Depth (m)	Graphic Log	USCS SAMPLES	Material Description	Additional Observations	Well Installation	Elevation (m)
<b>–</b> 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2 2.2 2.4 2.6 2.8 3 3.2 3.4 3.6 3.8 4 4.2 4.4		PEAT	Top soil, black, moist Brown sandy clay, moist, medium plastic Brown sandy clay, wet, medium plastic Brown silt	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         Bearing capacity tested at 3.0m deep showing         700kPa resistance with less than         0.5cm         displacement         Shear vane tested at minimum         130kPa         resistance at 1.5m deep         Note:         Started drilling at site in the afternoon due to morning 5mm rain. Soil surface was very moist due to the rain.		ū           336           335.8           335.6           335.6           335.2           335           334.8           334.8           334.8           334.8           334.8           334.8           334.8           334.8           334.2           333.8           333.8           333.8           333.8           333.8           333.4           333.2           333.2           332.8           332.8           332.6           332.4           332.2           332.4           332.2           332.4           332.2           331.8           331.8
4.6	<mark>, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</mark>		Termination Depth at: 4.5 m			331.4



#### Flexible. Dependable. On-site Engineering.

PROJECT NUMBER
PROJECT NAME 123 Durham Regional Hwy 47
CLIENT
ADDRESS 123 Hwy 47, Stouffville
DRILLING DATE 05/30/2023
LICENCE NO. C-7691

#### DRILLING COMPANY King EPCM DRILLER Chris, Leng DRILL RIG Little Beaver DRILLING METHOD Solid Auger TOTAL DEPTH 7.6 m DIAMETER 2.5 in

CASING 2 inch

COORDINATES 641944.829m E, 4875218.014m N COORD SYS UTM-17 SURFACE ELEVATION 332.946m WELL TOC None LOGGED BY Chris Chen CHECKED BY Tony Wang, P Eng, Principal Engineer

SCREEN 2 inch

COMPLETION

#### COMMENTS

Depth (m)	Graphic Log	USCS SAMPLES	Material Description	Additional Observations	Well Installation	Elevation (m)
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		332.5
- 1.5				240kPa resistance at 1.5m deep		331.5
2				Bearing capacity tested at 3.0m deep showing 1400kPa resistance with less than 0.5cm displacement Shear vane tested at minimum		- 331 - 330.5
-3				240kPa resistance at 3.0m deep		330
3.5						329.5
4						329
4.5						328
5.5						327.5
6		USCS:ML	Brown silt			327
6.5						326.5
- - 7 -						326
			Termination Depth at: 7.6 m			325.5
-						325

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#### Flexible. Dependable. On-site Engineering.

#### PROJECT NUMBER

PROJECT NAME 123 Durham Regional Hwy 47 CLIENT ADDRESS 123 Hwy 47, Stouffville DRILLING DATE 06/05/2023 LICENCE NO. C-7691

#### DRILLING COMPANY King EPCM DRILLER Chris, Leng DRILL RIG Little Beaver DRILLING METHOD Solid Auger TOTAL DEPTH 4.5 m DIAMETER 2.5 in

CASING 2 inch

COORDINATES NEED TO FILL LATER COORD SYS UTM-17 SURFACE ELEVATION NEED TO FILL LATER AMSL WELL TOC None LOGGED BY Chris Chen CHECKED BY Tony Wang, P Eng, Principal Engineer

SCREEN 2 inch

COMPLETION

#### COMMENTS

Depth (m)	Graphic Log	USCS SAMPLES	Material Description	Additional Observations	Well Installat	tion	Elevation (m)
0.2		PEAT	Top soil, dry				339.2 
- 0.4		USCS: CL	Brown sand clay, dry	-		 	339 
- 0.6							338.8  338.6
- 0.8				Bearing capacity tested at 1.5m deep showing		· · ·	338.4
- 1.2				1400kPa resistance with less than 0.5cm displacement			 338.2
- 1.4				Shear vane tested at minimum 240kPa resistance at 1.5m deep	· · . · .		338 
- 1.6							- 337.8
- 1.8		USCS:ML	Brown sand, moist				
- 2.2						· · ·	 337.2
- 2.4				Bearing capacity tested at 3.0m			337 
- 2.6				1400kPa resistance with less than 0.5cm displacement			- 336.8
- 2.8				Shear vane tested at minimum 240kPa resistance at 3 0m deep		· · ·	- 336.6 - - - 336.4
				1			 336.2
- 3.4						· · ·	336
- 3.6		USCS:GC	Brown sandy gravelly clay, moist				- 335.8
- 3.8							335.6  335.4
- 4 - 4.2							 335.2
4.4							 335 
4.6			Termination Depth at: 4.5m Auger refusal			<u> </u>	– 334.8 –



# **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):

$$K_{fs} = CQ / [2\pi H^2 + C\pi a^2 + (2\pi H/\alpha^*)]$$
 (Eq. 1)

In which:

 $K_{fs}$  = the calculated permeability from the field test

Parameter	Description		BH		
			BH102	BH103	BH104
Soil Texture	Most structured and medium textured	0.12	0.12	0.12	0.12
Factor ( $\alpha^*$ )	materials; including structured clayey and				
in cm ⁻¹	loamy soils, as well as unstructured				
	medium single-grain sands. This category				
	is generally the first choice for most soils.				
R	<b>R</b> Quasi-steady state (constant) rate of fall of		0.02	0.1	0.2
in cm/min	in cm/min water in permeameter reservoir (Measured				
	in the site)				
T in ^{°C}	Soil Temperature	22	18	18	22
$\mu_k/\mu_a$	Temperature Correction Factor ( $t=1^{\circ c}$ )	0.606	0.667	0.667	0.606
Method		Standard	Slow	Standard	Standard
С	Shape factor	1.36			
X	Cross-sectional area of permeameter		53.46	12.8	12.8
in cm ²	reservoir				

Table 1. Parameters used



Н	Height of air inlet hole from the bottom of	15
in cm	the test hole	
a	Well hole radius	4.15
in cm		

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:

$$\begin{split} K_{fs101} &= 1.4\text{E-6 m/sec} = 1.4\text{E-4 cm/sec} \\ K_{fs102} &= 2.5\text{E-8 m/sec} = 2.5\text{E-6 cm/sec} \\ K_{fs103} &= 6.9\text{E-7 m/sec} = 6.9\text{E-5 cm/sec} \\ K_{fs104} &= 1.4\text{E-6 m/sec} = 1.4\text{E-4 cm/sec} \end{split}$$

And then the temperature-corrected permeability would be calculated using equation 2 for the rest of the site, as follows:

$$K_a = K_{fs} x \mu_k / \mu_a$$
 (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:

$$\begin{split} K_{a101} &= 8.4\text{E-7 m/sec} = 8.4\text{E-5 cm/sec} \\ K_{a102} &= 1.7\text{E-8 m/sec} = 1.7\text{E-6 cm/sec} \\ K_{a103} &= 4.6\text{E-7 m/sec} = 4.6\text{E-5 cm/sec} \\ K_{a104} &= 8.4\text{E-7 m/sec} = 8.4\text{E-5 cm/sec} \end{split}$$

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  $K_{\rm fs}$  may be interpolated as:

 $PT_{101} = 13.6 \text{ min / cm} \quad \text{(Infiltration Rate} = 44.1 \text{ mm/hour)}$   $PT_{102} = 38.7 \text{ min / cm} \quad \text{(Infiltration Rate} = 15.5 \text{ mm/hour)}$   $PT_{103} = 16 \text{ min / cm} \quad \text{(Infiltration Rate} = 37.6 \text{ mm/hour)}$   $PT_{104} = 13.6 \text{ min / cm} \quad \text{(Infiltration Rate} = 44.1 \text{ mm/hour)}$ 



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.

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.



Hydrogeology Report Rural Industrial Development 123 Regional Highway 47 Uxbridge, ON

# **Field Permeability Test Sheet**

TEST PIT#:	BH101 June 16 2023	S WE	OWNER'S NAME: SITE LOCATION: PID #: TECHNICIAN: ATHER/TEMPERATURE:	123 Durham Regional Hwy 47 Leng Cloudy, 22C
FIELD PERMEABILI D - reservoir d d - well hole d H - height of water Depth below ground	IY TEST #: liameter (cm) liameter (cm) in well (cm) surface(cm)	Standard	Soil Texture Soil Structure a*(cm-1) C - Factor	Clayey sand
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
1	1	38.3	0.3	0.3
8	1	38, 1	0.2	0.2
	1	37.7	0.2	0.2

uasi Steady=State Rate of Fall(R) = 0.2 cm/min



TEST DITH	ngineering echnologies anada Ltd.	5	OWNER'S NAME: SITE LOCATION: PID #: TECHNICIAN:	123 Durham Regional Hwy 47
1631 111#	BIII02		TECHNICIAN.	Leng
DATE:	June 16 2023	- WE.	ATHER/TEMPERATURE:	Cloudy, 18C
FIELD PERMEABILI	TY TEST #:			
D - reservoir d - well hole H - height of water Depth below groun	diameter (cm) diameter (cm) in well (cm) d surface(cm)	Slow tube	Soil Texture Soil Structure a*(cm-1) C - Factor	Sandy clay
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		1.0
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



Hydrogeology Report Rural Industrial Development 123 Regional Highway 47 Uxbridge, ON

Nº F	ngineering echnologie	s	OWNER'S NAME: SITE LOCATION:	123 Durham Regional Hwy 4
			PID #:	Leng
1651 111#	Dirivo	IECHNICIAN.		
DATE:June 16 2023			ATHER/TEMPERATURE:	Cloudy, 18C
ELD PERMEABIL	ITY TEST #:			
D - reservoir d - well hole H - height of water Depth below groun	diameter (cm) diameter (cm) in well (cm) d surface(cm)	Standard	Soil Texture Soil Structure a*(cm-1) C - Factor	Clayey sand
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	- h. F	42.9	2	
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
19	1	41.5	0.0	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
15	1	41.0	0.1	0.1

uasi Steady-State Rate of Fall(R) = _____ cm/min



Hydrogeology Report Rural Industrial Development 123 Regional Highway 47 Uxbridge, ON

En C	ngineering echnologie anada Ltd.	S	OWNER'S NAME: SITE LOCATION: PID #:	123 Durham Regional Hwy 47
TEST PIT#:	BH104		TECHNICIAN:	Leng
DATE:	June 16 2023	WEA	ATHER/TEMPERATURE:	Cloudy, 22C
IELD PERMEABILI	TY TEST #:			
D - reservoir d d - well hole d H - height of water Depth below ground	diameter (cm) diameter (cm) in well (cm) d surface(cm)	Standard	Soil Texture Soil Structure a*(cm-1) C - Factor	Clayey sand
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	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
	1			
	-			

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 (332.5-327.05 masl)/BH 107, 123 Durham Region Hwy 47 November 22, 2023 HYDROMETER SIEVE ANALYSIS 270 200 140 16 14 10 8 10080 60 40 20 1<del>]</del>" 2 100% 90% 80% CUMULATIVE PERCENT PASSING 70% 60% 50% ANALYSIS PERFORMED BY: T. WANG, P. Eng WWW.KINGEPCM.COM 40% **RECOMMENDATION: T-**TIME = 20 min / cm 30% 20% 10% 0% 0.001 0.01 0.1 1 10 100 MEDIUM COARSE COARSE FINE FINE CLAY AND SILT SAND GRAVEL SP ENVELOPE  $T = 2 \sim 8 \text{ min/cm}$ - ML ENVELOPE T = 20 ~ 50 min/cm POORLY GRADED SAND SILTY SAND

SILT



GRAIN SIZE DISTRIBUTION - UNIFIED SOIL CLASSIFICATION SYSTEM Shallow soil (339.05-337.55 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	Borehole Radius: 3.17 cm						
Well Depth: 7.6 m	Water level at the start of the test: 1.77 m						
Screen Length: 1.5 m							
Casing Radius: 2.54 cm							
Aquifer Model: Unconfined	K= 1.9 ×10 ⁻⁶ ft/sec (=5.8×10 ⁻⁵ cm/sec)						
Solution Method: Hvorslev	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:							
$K = \frac{r^2 \ln (L/R)}{1000} \text{ for } \frac{L}{R} > 8$							
2 L T ₀	)						
<b>K</b> = hydraulic conductivity of the tested material [ft	z/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-h/H-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-H ₀ ) equals 0.37.							
Based on the obtained results, the calculation of K in the test is as follows: $K = (0.833)^2 \times \ln(4.59/0.104)/(2 \times 4.59 \times 1500) = 1.9 \times 10^{-6} \text{ ft/sec} (=5.8 \times 10^{-5} \text{ cm/sec})$							



**Appendix VI- Cross Sections** 










Appendix VII – Proposed Site Plan

GENERAL NOTES:

0m

- 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
- 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	DOUE
o HP	HYDF
<b>⊕</b> HYD	HYDF
o MH	MAN
—— но ——	OVEF
$\leftarrow$	GUY
·	LEGA
	TREE

JBLE CATCHBASIN RO POLE RANT IHOLE RHEAD UTILITY WIRE ANCHOR AL PROPERTY BOUNDARY E CROWNLINE





**Appendix VIII – Climate Data Table** 

Basin	Area	a PRECIP RAIN SNOW		SNOW	Im	pervious	s (fracti	on)		R	0		GWI			ET				
	[ha]				#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

Table 5 Summary of Clarifica (May, 2002) annual average water balance estimates for the Duffins Creek watershed (1986-2000).

####

#### Scenarios

#1 Existing

#2 Future Official Plan

#3 Future OP + TRCA Natural Heritage

All values in mm/year unless noted otherwise. See Figure 25 for subcatchment locations. Subcatchment under study

#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).



Figure 25: 30 sub-catchments and GSC surficial geology. Figure provided by TRCA.

Gerber Geosciences Inc. Duffins Hydrogeology March 10, 2003

# **TRSPA WATER BALANCE TOOL**





**Appendix IX – Subwatershed** 

## **Watershed Calculations**





Overview of Subwatershed and Property Boundary



Identified ponds and watercourses near the site



^{1:10000} OBM Digital Elevation Model.

FIGURE 6.12



Note: Watershed \ Subwatershed boundary delineated from 1:10000 OBM Digital Elevation Model.



#### Soils Mapping Figure A.1



### **Appendix X – Pre- and Post-Development Catchment Area**











### **Appendix XI – Water Balance Calculations**

#### WATER BUDGET- PRE-DEVELOPMENT

### WATER BALANCE/WATER BUDGET ASSESSMENT

Catchment Designation	Site									
catchinent besignation	Building	Driveway	Grassy Lawn	Woodland	Cultivated	Total				
Area (m²)	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 un	it 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 u	nit 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	U	146	142	146	146				
Total Bunoff (mm (ur)	801.8	506.4	146	142	146	240				
	001.0	944	240	944	844	944				
Difference (Inputs Outputs)	0	0	0	0	0	0				
Difference (inputs-Outputs)	0	Innuts (Volu	mes)	0	0	0				
	747	1 747	7 701	17 572	175 7/19	203 606				
Precipitation (m/yr)	,4,	0	0	0	0	203,000				
Run-On (m /yr)	0	0	0	0	0	0				
Other Inputs (m /yr)	747	4 747	7 704	47.572	175 740	202.000				
Total Inputs (m²/yr)	/4/	1,/4/	7,791	17,572	1/5,/49	203,606				
	700		2,200	7 201	70.005	00 522				
Precipitation Surplus (m ² /yr)	709	1,048	3,369	7,391	76,005	88,523				
Net Surplus (m ² /yr)	/09	1,048	3,369	7,391	76,005	88,523				
Evapotranspiratin (m³/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

Catchmont Designation	Site									
Catchinent Designation	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)	l	l.	l.					
Precipitation Surplus (mm/yr)	801.8	801.8	365	355	365	701				
Net Surplus (mm/yr)	801.8	801.8	365	355	365	/01				
Evapotranspiratin (mm/yr)	42.2	42.2	4/9	489	479	143				
Inflitration (mm/yr)	0	0	219	248.5	219	53				
Roottop Infiltration (mm/yr)	0	0	210	0 248 E	210	52				
Rupoff Donvious Area	0	0	146	240.5 106 F	146	122				
Runoff Impervious Area	801.8	801.8	140	0	140	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				
	<u> </u>	Inputs (Volumes)	Ŭ	, , , , , , , , , , , , , , , , , , ,	Ŭ	<u> </u>				
Precipitation (m ³ /vr)	65,715	91,151	25,842	15,548	5,350	203,606				
Bun-On (m ³ /vr)	0	0	0	0	0	0				
Other inputs $(m^3/yr)$	0	0	0	0	0	0				
$\overline{\tau}$	65 715	91 151	25.842	15 5/19	5 250	202.606				
Total inputs (m /yr)	05,715	Outputs (Volumes)	23,042	13,340	5,550	203,000				
Descipitation Sumplus (m ³ /um)	62 429	86 594	11 176	6 540	2 313	169.052				
Net Surplus (m ³ (m)	62,429	86 594	11,176	6 540	2 313	169.052				
Net surplus (m /yr)	3 286	4 558	14,666	9,008	3 036	34 554				
Evapotranspiratin (m /yr)	0	-,,550	£ 705	4 579	1 200	12 671				
Infiltration (m /yr)	0	0	0,703	4,378	1,500	12,071				
Roottop Intiltration (m ⁻ /yr)	0	0	C 705	4 5 79	1 200	12 (71				
Total Infiltration (m ⁻ /yr)	0	0	6,705	4,578	1,388	12,6/1				
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

Catchmont Designation	Site										
Catchinent Designation	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 <i>,</i> 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	r 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	100.0	0	146	142	146	145					
Total Dupoff (mm (ur)	400.9	400.9	146	142	146	401					
Total Outputs (mm/yr)	400.9	400.9	140	944	240	34Z					
Difference (Inputs-Outputs)	0	0	0	0	0	0					
Difference (inputs-Outputs)	0	Innuts (Vi	olumes)	0	0	0					
Bracinitation (m ³ /vr)	65 715	91 151	25.842	15 548	5 350	203 606					
	0	0	0	0	0	0					
Run-On (m /yr)	0	0	0	0	0	0					
Other Inputs (m ⁻ /yr)	0	0	0	15.540	5 350	0					
Total Inputs (m [°] /yr)	65,715	91,151	25,842	15,548	5,350	203,606					
	62,422		/olumes)	6.540	2.242	100.050					
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

	Site									
Characterstic	Pre- Development	Post- Development	Change (Pre- to Post-)	Post-Development with Mitigation	Change (Pre- to Post- with Mitigation )					
		Inputs (Volume	5)							
Precipitaiton (m ³ /yr)	203,606	203,606	0.0%	203,606	0.0%					
Run-On (m³/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**

