

August 24, 2021  
PH4034-LET.01-REV.02

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

### **Caivan (Richmond North) Communities**

2934 Baseline Road - Suite 302  
Ottawa, ON  
K2H 1B2

Geotechnical Engineering  
Environmental Engineering  
Hydrogeology  
Geological Engineering  
Materials Testing  
Building Science

**Attention: Mr. Zeyad Hassan**

[www.patersongroup.ca](http://www.patersongroup.ca)

**Subject: Groundwater Impact Assessment  
Proposed Residential Development  
6305 Ottawa Street West - Richmond**

Dear Sir,

Paterson Group (Paterson) was commissioned by Caivan (Richmond North) Communities to complete a groundwater impact assessment for the proposed residential development to be located at 6305 Ottawa Street West in conjunction with the existing Fox Run Development in the Township of Richmond in the City of Ottawa, Ontario (Refer to Drawing PH4034 -1 - Site Plan attached to the current report).

The following report has been prepared specifically and solely for the aforementioned project which is described herein. It contains a hydrogeological review and assessments pertaining to the proposed works as they are understood at the time of writing this report.

The first versions of this report, PH4034-LET.01 dated July 10, 2020 and PH4034-LET.01-REV.01 dated January 22, 2021, was submitted to the City of Ottawa (City) as part of a Draft Plan of Subdivision Application. The City comments in regards to the first version of this report were received on December 8, 2020 with file number D07-16-20-0016 and D02-02-20-0053, with the second round of comments dated May 31, 2021. The report has been updated with the most recent geotechnical information completed subsequent to the initial report submission and addressed the City comments.

## **1.0 Proposed Development**

The proposed residential development will consist of detached residential dwellings based on available conceptual plans. Access lanes, associated parking and landscaped areas are also anticipated for the development. It is understood that the site will be serviced by municipal servicing.

## 2.0 Background Information

Two field programs which occurred on the subject property were relevant to this study. One was a portion of the field program for the hydrogeological investigation which was carried out by Golder Associates Ltd. (Golder) in April 2010, and the other was the field program which occurred as part of the geotechnical investigation carried out by Golder in June 2020. In April of 2010, a total of 1 borehole was completed within the subject site and is a subset of a larger study area. The report produced from this fieldwork is titled Technical Memorandum: Proposed Mattamy Homes Development, Richmond (Ottawa), Ontario, dated July 2010 (Golder Report No. 08-1122-0078). In June of 2020, an additional 12 boreholes were completed within the subject site as part of a site specific geotechnical investigation completed by Golder titled Geotechnical Report: Laffin Parcel dated July 23, 2020 (Golder Report No. 20144864-3000-02). The approximate borehole locations are shown on the attached drawing PH4034-3 titled Test Hole Location Plan, attached. The boreholes were advanced to a maximum depth of 6.3 m below ground surface (bgs).

The review is based on the functional servicing information completed by David Schaeffer Engineering Ltd. (DSEL). The information is considered preliminary with detailed design to be completed at a later date.

The attached drawing titled Caivan Richmond Laffin - Grading Plan - Drawing 1B by DSEL dated June 2020, shows the grade raise within the roadways is anticipated to generally be in the order of 0.3 to 1.7 m with the majority of the grade raise being between 1.0 to 1.5 m.

The proposed servicing is anticipated to extend to approximately 3.5 m below the existing ground surface (bgs) at MH524A and up to 1.5 m into the inferred bedrock. This is the deepest proposed excavation for the subject site. The southeast portion of the site is expected to have a servicing depth less than 3 m bgs. It is assumed that a maximum servicing depth of 3.5 m bgs would provide a conservative review and should be re-examined should the detailed design differ from this analysis. A combination of blasting, line drilling, and/or hoe ramming will may be used for bedrock removal based upon site conditions encountered at the time of excavation.

## **3.0 Site Conditions**

### **Physical Setting**

The subject site consists of undeveloped, agricultural land as well as a forested area within the northeast portion of the site. The site is relatively flat and at a slightly lower elevation than the surrounding roadways, and slopes down from the south east to the north west. An unnamed tributary has been identified transecting the northern portion of the subject site and flows in a northeast direction towards the northeast corner of the property where it drains in to the Moore Branch Drain. The site is bordered to the northwest by agricultural lands, to the northeast by residential dwellings followed by Queen Charlotte St, to the southeast by Ottawa Street West followed by agricultural lands and to the southwest by agricultural lands.

According to available mapping, the subject site is located in the Ottawa Valley Clay Plains physiographic region.

## **3.1 Geology**

### **Surficial Geology**

Overburden soils identified during the geotechnical field investigation by others typically consisted of topsoil overlying a loose to compact brown and grey sandy silt to silty sand layer overlying a glacial till. Two boreholes in the centre of the site had a sandy silty clay layer overlying the glacial till deposit. The glacial till is comprised of a grey sandy silt matrix with varying amounts of gravel and cobbles and trace clay. Refusal was encountered in most borehole locations on inferred bedrock at depths ranging from 1.8 to 4.3 m bgs. Bedrock was cored in three boreholes, with confirmed bedrock depths varying between 2.7 and 3.1 m bgs.

Specific details of the soil profile at each test hole location are presented in the Borehole Records by others attached to the current report.

Based on surficial mapping published by the Ontario Geological Survey, the subject site is located in an area which consists of glaciomarine and marine deposits with silt and clay.

### **Bedrock**

Based on available geological mapping, the subject site is located in an area where bedrock consists of dolostone of the Oxford Formation with an overburden drift thickness of approximately 2 to 5 m. According to the borehole logs, bedrock consists of a

interbedded sandstone and dolostone in MW10-6, and a limestone bedrock in BH20-307 and BH20-309. Bedrock was cored in three boreholes, with confirmed bedrock depths varying between 2.7 and 3.1 m bgs. According to the Geotechnical report completed by others, the Rock Quality Designations (RQD) of the bedrock, where recorded, varied between 70-85%. It should be noted that refusal to augering was encountered in most boreholes, with refusal occurring between the depths of 1.8 and 4.3 m bgs. Two boreholes did not encounter auger refusal, and extended to depths of 5.2 and 6.1 m bgs.

### **Karst Features**

The term “karst” refers to a geologic formation characterized by the dissolution of carbonate bedrock, such as limestone or dolostone. In order for karstification to occur, precipitation must be allowed to infiltrate the top of the bedrock to dissolutionally enlarge previously existing joints and bedding planes. Based on karst mapping prepared by the Ontario Geological Survey, there is no potential, inferred or known karst within the subject site.

## **3.2 Hydrogeology**

### **Existing Aquifer Systems**

Aquifer systems may be defined as a geological media, either overburden soils or fractured bedrock, which permit the movement of groundwater under hydraulic gradients. Although groundwater has been observed within the brown to grey sandy silt to silty sand layer and glacial till layer at the subject site, the composition and shallow nature of materials does not allow for the development of significant water supply wells. Water supply wells in the vicinity are accessing the underlying bedrock aquifers.

Bedrock aquifer mapping, provided by Natural Resources Canada Urban Geology of the National Capital Region mapping, was reviewed as part of this assessment. The March and Oxford formations were identified as the water supply aquifer systems in the vicinity of the study area, with the domestic wells extending into the bedrock aquifer.

### **Groundwater Levels**

Groundwater was observed/inferred by others in the open hole excavations completed during the geotechnical field investigations as well as measured in two monitoring wells installed at BH20-304 and BH20-310. A groundwater elevation was not available for MW10-6. Based on a review of the water well records, groundwater is also present in the bedrock at depth.

Groundwater levels within the overburden at the subject site were identified between 2.27 to 3.55 m bgs following the completion of the geotechnical field investigations. Due to the permeability of the overburden, groundwater levels are also influenced by precipitation events and seasonal variations. Based on the water levels recorded in the wells, 2.27 m bgs in BH20-310 and 2.46 m bgs in BH 20-304, the long-term groundwater level at the subject site is expected between 2 to 3 m bgs.

Groundwater infiltration into the excavations through the overburden materials is expected to be low to moderate during construction and dewatering may be required. It is anticipated that pumping from open sumps will be sufficient to control groundwater influx through the sides of the excavations.

### **Hydraulic Gradients**

Vertical hydraulic gradients were not measured at the subject site as the previous studies completed did not warrant the installation of sufficient monitoring wells or sufficient piezometers. Shallow groundwater flow in the vicinity of the subject site is expected to reflect local topography. Regional groundwater flow in the overburden and bedrock is considered to be in a south easterly direction, towards the Jock River.

### **Hydraulic Conductivity**

The hydraulic conductivity values were conservatively estimated based upon previous experience at similar sites in the area, and typical published values for sandy silt, glacial till and dolostone bedrock. These values range from  $1 \times 10^{-5}$  to  $1 \times 10^{-6}$  m/sec for sandy silt and is dependant on the ratio of sand to silt within the material. The hydraulic conductivity value for glacial till varies from  $1 \times 10^{-6}$  to  $1 \times 10^{-10}$  m/sec and is dependant on the variability of the deposit. The values for dolostone bedrock range from  $1 \times 10^{-6}$  to  $1 \times 10^{-10}$  m/sec and is dependant on the quality of the bedrock.

### **Groundwater Recharge and Discharge**

In general, groundwater will follow the path of least resistance from areas of higher hydraulic head to areas of lower hydraulic head. While upward and downward hydraulic gradients may be indicative of discharge and recharge respectively, other factors must be considered.

Based on the hydraulic conductivity estimates obtained from published literature, the silty sand to sandy silt and glacial till overburden is generally considered to act as an unconfined layer. It is our interpretation that groundwater will generally flow both vertically towards the underlying bedrock and laterally through the sandy silt and glacial till material. As such, the volume of recharge occurring within the site boundaries is expected to be low to moderate. With regards to discharge zones, the topographical conditions are not

suitable for discharge to be occurring at the subject site.

## **4.0 Potential Impacts**

### **4.1 Adverse Effects on Adjacent Structures**

The overburden at the subject site generally consists of sandy silt to silty sand overlying a glacial till with a sandy silt matrix. Inferred bedrock was encountered underlying the glacial till between 1.8 to 4.3 m bgs. The majority of the expected groundwater infiltration will be encountered within the sandy silt to silty sand, glacial till and/or bedrock. The potential dewatering volumes due to groundwater infiltration into excavation footprints are anticipated to be low to moderate dependant on location across the site and majority composition of the materials at a given location. The structures in the surrounding area typically consist of low-rise residential buildings and are expected to be founded on sandy silt, glacial till or bedrock. The compressibility of the sandy silt to silty sand, glacial till and bedrock in the area as a result of dewatering is anticipated to be minimal. Furthermore, dewatering is expected to be short term in duration, given the nature of the proposed development. As such, any effects related to ground surface settlement due to the water taking activities are anticipated to be negligible.

### **4.2 Adverse Effects on Neighbouring Water Wells**

A search of the Ontario Water Well Records online mapping database indicates there are 144 water wells records within 500 m of the site as depicted on Drawing PH4034 - 2 - MECP Water Well Location Plan attached to the current report. The majority of the wells located in the vicinity were noted to be primarily domestic wells accessing the Oxford Formation bedrock aquifer. The domestic wells accessing the bedrock aquifer ranged from 10.7 to 123.4 m bgs, with the majority of the wells varying between 15 to 30 m bgs. The depth to bedrock varied from bedrock at surface to bedrock at 10.4 m bgs. Groundwater was encountered at depths varying from 7.3 m to 68.6 m bgs. All WWR which contained potable water supply wells were drilled wells with steel casing. In the 500 m radius of the site, 3 WWR were well extensions, 3 WWR were well abandonment records, and 1 WWR was for a PVC monitoring well. A number of the WWR were erroneously placed. The majority of the domestic wells are located to the east of the subject site, and are believed to be downgradient from the subject site. It should be noted that a communal well has been constructed approximately 300 m to the northwest of the subject site and will be servicing the subject site. Based on previous studies by others and well records, it is understood the communal well has been screened in the Nepean Formation between 70 and 123 m bgs, significantly below the proposed excavation depths of the proposed development.

A series of calculations were carried out on theoretical radii of influence for a servicing trench excavation ranging from 2.0 to 3.5 m deep and withdrawing water from the upper 2.0 to 3.0 m of the saturated zone. These calculations were completed based on Sichardt (1992) using the equation:

$$R = r_e + 3000 \cdot \Delta h (k^{0.5})$$

- $R$  = radius of influence (m)
- $r_e$  = equivalent radius of excavation (m)
- $\Delta h$  = thickness of drawdown within the aquifer (m)
- $k$  = hydraulic conductivity (m/sec)

For the purposes of completing the calculations, the following assumptions were made:

- $r_e = 9.55$  m
- $k = 1 \times 10^{-5}$  m/sec, based upon our experience in the area and published values
- $\Delta h = 0.5$  to  $1.5$  m, to review potential minimum/maximum variable conditions.

Using the above equation and assumptions, a radius of influence of approximately 0 to 14 m will develop as a steady state condition, extending from the edge of the excavation.

Given the hydrogeological characteristics of the subject site, potential depths of excavation related to the development and the water supply aquifer systems in the vicinity of the study area, a baseline subdivision water sampling program is recommended to be completed prior to commencing construction on site.

The premise of the program is to obtain groundwater quality information from the water supply wells in the vicinity of the proposed development prior to the project commencing. This ensures that all parties involved (developer, homeowner and City of Ottawa) are protected should any concerns arise during or after construction.

Based on the proximity of existing wells and groundwater flow direction, it is recommended that lots located within 50 m from the subject site be reviewed for inclusion in the well sampling program. The available WWRs within 500 m of the subject site have been attached to this report. All of the available WWRs for the proposed lots subject to the well sampling program have steel casing extending to the surface of or into the bedrock and range between 13 and 35 m depth total depth below ground surface. The proposed lots have also been illustrated in Figure 1 - Rev1 - Proposed Baseline Sampling Review Area attached to the current report.

It should be noted that the lots which have been selected to participate in the baseline sampling program have been chosen based on scientific merit and public perspective. Only a small number of lots which have been selected were chosen on scientific merit, with the rest being chosen in an effort to be a good neighbour. The area has been discussed with the City of Ottawa Risk Assessment Officer and the zone with Figure 1a (attached) has been agreed upon for the baseline sampling area. Depth of excavation, bedrock removal methods and volumes, proximity to servicing, groundwater depth and available water well construction information have all been considered in order to determine the extent of the baseline sampling program.

The homeowners of the aforementioned properties will be invited to participate in the baseline sampling program by attempting two visits. In instances where the homeowner is not present at the time of the initial daytime visit, a contact letter outlining the proposed sampling program will be left at the property for future sampling. The following visit will be completed in the evening with a second contact letter if the homeowner is still not available. Interested homeowners will be interviewed for the purpose of obtaining baseline water quality and quantity information followed by a raw water sample.

The parameters that will be analysed as part of the sampling program will consist of the "Subdivision Water Quality Package" offered by Paracel Laboratories Ltd. This package includes; alkalinity, bacteria, colour, conductivity, pH, hardness, IC anions, NH<sub>3</sub>, TKN, DOC, phenols, sulphide, metals, Tannin & Lignin, TDS and turbidity.

A draft copy of the contact letter has been submitted to the City of Ottawa for review and approval prior to commencing the baseline water quality sampling program outlined above. A City contact will be provided in the letter for any discussions/questions the homeowner may have for the City.

### **Well Head Protection Area**

An existing municipal well is located approximately 300 m northwest of the subject site. Based on the Source Protection Information Atlas mapping provided by the MECP, the subject site is located within a Wellhead Protection Area - B (WHPA) and is not considered a significant groundwater recharge area. However, it is classified as a highly vulnerable aquifer, with a vulnerability score of 6. As a result, certain construction activities may be considered a significant drinking water threat and an official Source Protection Screening from the City's Risk Management Official is required to confirm applicable policies. The locations of the WHPAs within the subject area are illustrated in Figure 2 - WHPA Plan attached to the current report.

Given that the subject site is located within a WHPA, handling as well as storing chemical products with dense non aqueous phase liquids (DNAPLs) is considered a threat to the aquifer and is prohibited at the subject site. It is recommended that equipment and vehicle



maintenance be conducted beyond WHPA -C, this includes any use of certain degreasers, paints and cleaning agents.

#### **4.3 Soil, Surface Water and Groundwater**

A search of the MECP Brownfields Environmental Site Registry was conducted as part of the assessment of the site, neighbouring properties and the general area. No records of brownfields were found within 500 m of the subject site.

It is anticipated that the material on site will be disposed of or re-used as per the MECP policy, *On-site and Excess Soil Management* dated December, 2019.

With respect to nearby surface water bodies, the unnamed tributary within the subject site will be backfilled as part of the proposed development with flows redirected in accordance with the required designs / approvals. The Moore Branch Drain located in the northeast corner of the subject site flows in a northwest direction where it drains into the Van Gaal Drain/Arbuckle Drain and eventually into the Jock River located approximately 650 m east of the Moore Branch Drain.

It is expected that a multi-barrier approach (such as hay bales, geosocks, silt fencing, etc.) to a non-frozen, well vegetated area will be utilized in order to promote re-infiltration prior to reaching the adjacent surface water features noted above. In addition, the permeable surface soils, shallow bedrock and relatively flat topography at the subject site will promote surface water re-infiltration and minimize runoff towards the adjacent water bodies. As such, adverse effects to surface water features resulting from dewatering activities at the subject site are expected to be negligible.

The groundwater that is pumped from site excavations must be managed in an appropriate manner. The contractor will be required to implement a water management program to dispose of the pumped water.

#### **4.4 Adjacent Permits to Take Water**

A search of the MECP Permit to Take Water database provided 2 active PTTW within 500 m of the subject site. PTTW 8563-ABNQ5G is registered to Richmond Village Development Corporation and is located approximately 350 m northwest of the subject site. The above noted permit contains 3 sources for construction dewatering with a total taking of 12,708,000 L/day. At the time of writing this report, it is understood that all site servicing as well as the construction of the SWMP and pump station has been completed. PTTW 3821-AF9PUV is registered to the City of Ottawa and is located approximately 300 m northwest of the subject site. The above noted permit contains contains 2 sources

for municipal water with a total taking of 4,639,680 L/day. Based on the well logs provided for the municipal wells, the wells have been screened in the Nepean Formation sandstone aquifer, and is well below the maximum potential depth of the excavations at the subject site.

The locations of the existing permits places them outside the radius of influence of the subject site and it is not anticipated that there will be any negative effects related to potential takings.

A search of the MECP Environmental Activity and Sector Registry (EASR) database did not provided any water taking permits within the subject area.

#### **4.5 Existing Servicing**

All existing private wells or monitoring wells at the subject site, that are not being maintained according to the regulations, should be properly decommissioned by a licensed well contractor as per O.Reg. 903 prior to construction. Paterson is currently aware of two monitoring well installations (BH20-304 and BH20-310) that should be decommissioned when they are no longer being maintained in accordance with regulations.

## 5.0 Recommendations

The following aspects of the program will be reviewed and should be performed prior to commencing construction for the proposed residential development:

- ❑ Two monitoring wells (BH20-304 and BH20-310) should be decommissioned when no longer to be maintained in accordance with regulations. If any other existing wells are found within the proposed residential development, that are not being maintained in accordance with the regulations, they should be properly decommissioned as per *O.Reg. 903*.
- ❑ The detailed design should be reviewed once complete to determine the extent of the potential servicing excavations. The assumed excavation depth is expected to be a conservative maximum value of 3.5 m below existing ground surface.
- ❑ A baseline water sampling program is recommended prior to commencing construction on site. The sample area has been agreed upon with the City of Ottawa Risk Assessment Officer and is noted in Figure 1a (attached). Based on the proximity of existing wells and groundwater flow direction, it will be attempted to sample all homes within the subject sampling area.
- ❑ Prior to and during site development, it is recommended that construction best management practices with respect to fuels and chemical handling, spill prevention, and erosion and sediment control be followed.
- ❑ An official Source Protection Screening from the City's Risk Management Official is required to confirm applicable policies.
- ❑ For any water taking of greater than 50,000 L/day, either an Environmental Activity and Sector Registration (EASR) or a Permit To Take Water (PTTW) is required from the MECP, dependent on dewatering requirements.

## 6.0 Statement of Limitations

The recommendations provided in this report are in accordance with our present understanding of the project.

A hydrogeological review of this nature is a limited sampling of a site. The recommendations are based on information gathered at the specific test locations and can only be extrapolated to an undefined limited area around the test locations. Should any conditions at the site be encountered which differ from those at the test locations, we request notification immediately in order to permit reassessment of our recommendations.

The present report applies only to the project described in this document. Use of this report for purposes other than those described herein or by person(s) other than Caivan (Richmond North) Communities or their agent(s) is not authorized without review by Paterson Group for the applicability of our recommendations to the altered use of the report.

### Paterson Group Inc.



Erik Ardley, BSc. Geology

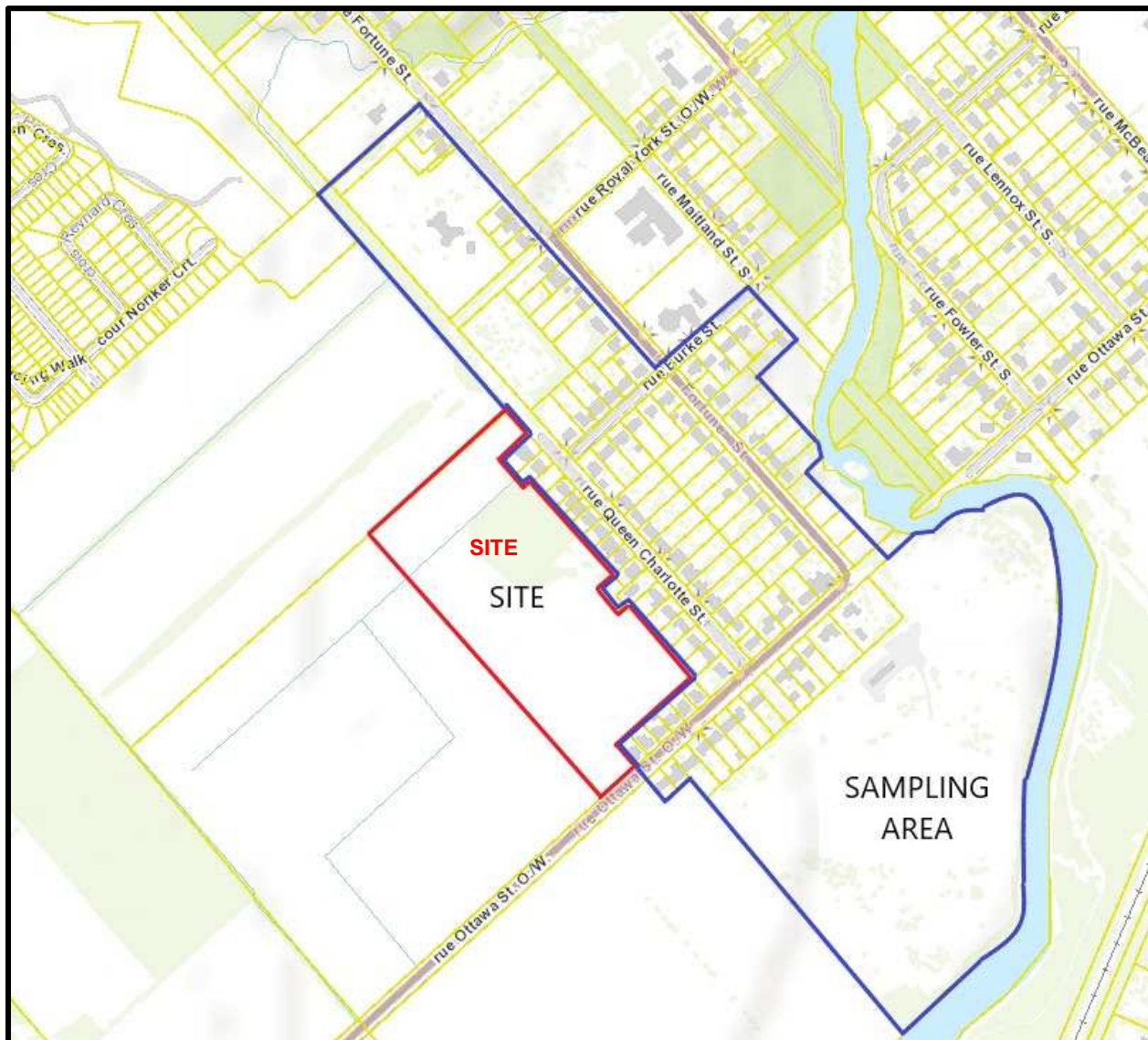


Michael Killam, P.Eng.

### Attachments:

- Figure 1 - Rev1a - Proposed Baseline Sampling Review Area
- Figure 2 - WHPA Plan
- Borehole Records (by Others)
- Drawing PH4034-1 - Site Plan
- Drawing PH4034-2 - MECP Well Location Plan
- Drawing PH4034-2 - Test Hole Location Plan
- MECP WWR (within 500 m of subject site)
- Dupuit-Forchheimer Equations
- DSEL Drawing - Caivan Richmond Laffin - Grading Plan - dated June 2020
- DSEL Drawing - Caivan Richmond Laffin - Sanitary Servicing Plan - dated June 2020
- DSEL Drawing - Caivan Richmond Laffin - Storm Sewer Servicing Plan - dated June 2020
- DSEL Drawing - Caivan Richmond Laffin - Storm and San Servicing Profiles - dated June 2020





**FIGURE 1a**

**Proposed Baseline Sampling Review Area**



**FIGURE 2**

**WHPA Map**



PROJECT: 08-1122-0078

# RECORD OF DRILLHOLE: 10-6

SHEET 2 OF 2

LOCATION: See Site Plan

DRILLING DATE: Apr. 30, 2010

DATUM:

INCLINATION: -90° AZIMUTH: ---

DRILL RIG: CME 55

DRILLING CONTRACTOR: Marathon Drilling

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. DEPTH (m)	RUN No.	PENETRATION RATE (m/min)	FLUSH	COLOUR % RETURN	FR/FX-FRACTURE F-FAULT		SM-SMOOTH		FL-FLEXURED		BC-BROKEN CORE		NOTES WATER LEVELS INSTRUMENTATION		
									CL-CLEAVAGE		J-JOINT		R-ROUGH		UE-UNEVEN			MB-MECH. BREAK	
									SH-SHEAR		P-POLISHED		ST-STEPPED		W-WAVY			B-BEDDING	
									VN-VEIN		S-SLICKENSIDED		PL-PLANAR		C-CURVED				
RECOVERY		R.Q.D. %	FRACT INDEX PER 0.3	DISCONTINUITY DATA		HYDRAULIC CONDUCTIVITY			DIAMETRAL INDEX (MPa)										
TOTAL CORE %	SOLID CORE %			TYPE AND SURFACE DESCRIPTION		K <sub>1</sub> cm/sec	K <sub>2</sub>	K <sub>3</sub>											
0 0 0 0 0 0		0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0		10 <sup>0</sup> 10 <sup>1</sup> 10 <sup>2</sup>			2									
		BEDROCK SURFACE		92.60															
	Relay Drill NQ Core	Thinly to medium bedded light grey interbedded SANDSTONE and DOLOSTONE BEDROCK		3.07	1												Bentonite Seal  Silica Sand  32mm Diam. PVC #10 Slot Screen 'A'		
		End of Borehole		90.49 5.18															

MIS-RCK 001 0811220078-9500 (ROCK) GPJ GAL-MISS GDT 5/19/10 JM

DEPTH SCALE  
1 : 50



LOGGED: J.D.  
CHECKED: *[Signature]*



PROJECT: 20144864

# RECORD OF BOREHOLE: 20-301

SHEET 1 OF 1

LOCATION: N 5004877.5 ; E 356671.0

BORING DATE: June 23, 2020

DATUM: Geodetic

SAMPLER HAMMER, 64kg; DROP, 760mm

PENETRATION TEST HAMMER, 64kg; DROP, 760mm

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE		SAMPLES		DYNAMIC PENETRATION RESISTANCE, BLOWS/0.3m				HYDRAULIC CONDUCTIVITY, k, cm/s				ADDITIONAL LAB. TESTING	PIEZOMETER OR STANDPIPE INSTALLATION
		DESCRIPTION	STRATA PLOT	NUMBER	TYPE	SHEAR STRENGTH				WATER CONTENT PERCENT					
						Cu, kPa		nat V. + rem V. ⊕ ⊙		10 <sup>-6</sup> 10 <sup>-5</sup> 10 <sup>-4</sup> 10 <sup>-3</sup>		Wp			
		GROUND SURFACE				20	40	60	80						
0	Power Auger 200 mm Diam. (Hollow Stem)	TOPSOIL - (SM) SILTY SAND; dark brown, contains organic matter; moist (ML) sandy SILT; grey brown; non-cohesive, moist, very loose to compact	94.79 0.00 0.11	1	SS	5									
1				2	SS	8									
2					3	SS	24								
		(SM) gravelly SILTY SAND; grey (GLACIAL TILL); non-cohesive, moist, compact	92.66 2.13 2.28												
3		End of Borehole Auger Refusal													Open borehole dry upon completion of drilling
4															
5															
6															
7															
8															
9															
10															

MIS-BHS 001 20144864.GPJ GAL-MIS.GDT 7/24/20 JM/JEM

DEPTH SCALE

1 : 50



LOGGED: KM

CHECKED: BB

PROJECT: 20144864

# RECORD OF BOREHOLE: 20-302

SHEET 1 OF 1

LOCATION: N 5004929.5 ;E 356765.7

BORING DATE: June 23, 2020

DATUM: Geodetic

SAMPLER HAMMER, 64kg; DROP, 760mm

PENETRATION TEST HAMMER, 64kg; DROP, 760mm

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE		SAMPLES		DYNAMIC PENETRATION RESISTANCE, BLOWS/0.3m				HYDRAULIC CONDUCTIVITY, k, cm/s				ADDITIONAL LAB. TESTING	PIEZOMETER OR STANDPIPE INSTALLATION	
		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.30m				WATER CONTENT PERCENT					
							SHEAR STRENGTH Cu, kPa		nat V. + rem V. ⊕ ⊙		10 <sup>-6</sup> 10 <sup>-5</sup> 10 <sup>-4</sup> 10 <sup>-3</sup>		Wp			W
0	Power Auger 200 mm Diam. (Hollow Stem)	GROUND SURFACE		94.80												
		TOPSOIL - (SM) SILTY SAND; dark brown; moist		0.00												
		FILL - (SM) SILTY SAND; red brown; non-cohesive, moist, loose		0.11	1	SS	7									
1		(ML) sandy SILT; grey brown; non-cohesive, moist, compact		0.76	2	SS	23									
2				3	SS	30										
		(SM) gravelly SILTY SAND; grey (GLACIAL TILL); non-cohesive, moist, compact to dense		2.29	4	SS	35									
3		End of Borehole Auger Refusal		2.77												
4																
5																
6																
7																
8																
9																
10																

Open borehole dry upon completion of drilling

MIS-BHS 001 20144864.GPJ GAL-MIS.GDT 7/24/20 JM/JEM

DEPTH SCALE

1 : 50



LOGGED: KM

CHECKED: BB

PROJECT: 20144864

# RECORD OF BOREHOLE: 20-303

SHEET 1 OF 1

LOCATION: N 5004993.5 ; E 356803.7

BORING DATE: June 23, 2020

DATUM: Geodetic

SAMPLER HAMMER, 64kg; DROP, 760mm

PENETRATION TEST HAMMER, 64kg; DROP, 760mm

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE		SAMPLES		DYNAMIC PENETRATION RESISTANCE, BLOWS/0.3m				HYDRAULIC CONDUCTIVITY, k, cm/s				ADDITIONAL LAB. TESTING	PIEZOMETER OR STANDPIPE INSTALLATION	
		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	SHEAR STRENGTH Cu, kPa				WATER CONTENT PERCENT					
							20	40	60	80	10 <sup>-6</sup>	10 <sup>-5</sup>	10 <sup>-4</sup>			10 <sup>-3</sup>
0	Power Auger 200 mm Diam. (Hollow Stem)	GROUND SURFACE		94.78												
		TOPSOIL - (SM) SILTY SAND; dark brown, contains organic matter; moist		0.00	1	SS	5									
		FILL - (SM) SILTY SAND; grey brown, mottled, contains organic matter; non-cohesive, moist, loose		0.11												
		(ML) sandy SILT, trace fines; grey brown; non-cohesive, moist, compact to very dense		94.17												
1				0.61	2	SS	16									
					3	SS	57/0.28									
2		End of Borehole Auger Refusal		92.82												
				1.96												
3																
4																
5																
6																
7																
8																
9																
10																

MIS-BHS 001 20144864.GPJ GAL-MIS.GDT 7/24/20 JMJ/JEM

DEPTH SCALE

1 : 50



LOGGED: KM

CHECKED: BB



PROJECT: 20144864

# RECORD OF BOREHOLE: 20-305

SHEET 1 OF 1

LOCATION: N 5004849.3 ; E 356780.6

BORING DATE: June 23, 2020

DATUM: Geodetic

SAMPLER HAMMER, 64kg; DROP, 760mm

PENETRATION TEST HAMMER, 64kg; DROP, 760mm

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE		SAMPLES			DYNAMIC PENETRATION RESISTANCE, BLOWS/0.3m				HYDRAULIC CONDUCTIVITY, k, cm/s				ADDITIONAL LAB. TESTING	PIEZOMETER OR STANDPIPE INSTALLATION	
		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.30m	SHEAR STRENGTH				WATER CONTENT PERCENT					
								20 40 60 80		nat V. + Q - rem V. ⊕ U - ○		10 <sup>-6</sup> 10 <sup>-5</sup> 10 <sup>-4</sup> 10 <sup>-3</sup>		Wp  -----  W  -----  WI			
0	Power Auger 200 mm Diam. (Hollow Stem)	GROUND SURFACE		94.92													
		TOPSOIL - (SM) SILTY SAND; dark brown, contains organic; moist	[Pattern]	0.00	1	SS	6										
		FILL - (SM) SILTY SAND; brown, mottled, contains organic matter; non-cohesive, moist, loose	[Pattern]	0.10													
1		(ML) sandy SILT, some fines; grey brown; non-cohesive, moist, compact to loose	[Pattern]	0.76	2	SS	10								CHEM		
2					3	SS	9								MH		
3		(SM) gravelly SILTY SAND; grey (GLACIAL TILL); non-cohesive, moist, loose	[Pattern]	2.29	4	SS	6										
3		End of Borehole Auger Refusal		3.07	5	SS	50/0.03										
4																	
5																	
6																	
7																	
8																	
9																	
10																	

Open borehole dry upon completion

MIS-BHS 001 20144864.GPJ GAL-MIS.GDT 7/24/20 JMJ/JEM

DEPTH SCALE

1 : 50



LOGGED: KM

CHECKED: BB

PROJECT: 20144864

# RECORD OF BOREHOLE: 20-306

SHEET 1 OF 1

LOCATION: N 5004723.1 ;E 356802.1

BORING DATE: June 24, 2020

DATUM: Geodetic

SAMPLER HAMMER, 64kg; DROP, 760mm

PENETRATION TEST HAMMER, 64kg; DROP, 760mm

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE		SAMPLES		DYNAMIC PENETRATION RESISTANCE, BLOWS/0.3m				HYDRAULIC CONDUCTIVITY, k, cm/s				ADDITIONAL LAB. TESTING	PIEZOMETER OR STANDPIPE INSTALLATION	
		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	SHEAR STRENGTH				WATER CONTENT PERCENT					
							20 40 60 80		nat V. + rem V. ⊕ - ⊙		10 <sup>-6</sup> 10 <sup>-5</sup> 10 <sup>-4</sup> 10 <sup>-3</sup>		Wp  -----  W  -----  Wi			
0	Power Auger 200 mm Diam. (Hollow Stem)	GROUND SURFACE		94.99												
		FILL - (SM) SILTY SAND; grey brown; non-cohesive, moist, loose		0.00	1	SS	6									
1		(CL) sandy SILTY CLAY; grey brown, contains silty sand layers; cohesive, w~PL, stiff		0.61	2	SS	3									
2					3	SS	10									
3					4	SS	7									
		(ML) SILT, some sand; grey brown; non-cohesive, wet, compact		2.90	5	SS	14									
4		(SM/ML) gravelly SAND and SILT; grey, with cobbles and boulders (GLACIAL TILL); non-cohesive, wet		3.66	6	SS	51									
5		End of Borehole Auger Refusal		4.26												

MIS-BHS 001 20144864.GPJ GAL-MIS.GDT 7/24/20 JM/JEM



PROJECT: 20144864

# RECORD OF BOREHOLE: 20-307

SHEET 1 OF 1

LOCATION: N 5004759.0 ;E 356875.7

BORING DATE: June 24, 2020

DATUM: Geodetic

SAMPLER HAMMER, 64kg; DROP, 760mm

PENETRATION TEST HAMMER, 64kg; DROP, 760mm

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE		SAMPLES		DYNAMIC PENETRATION RESISTANCE, BLOWS/0.3m				HYDRAULIC CONDUCTIVITY, k, cm/s				ADDITIONAL LAB. TESTING	PIEZOMETER OR STANDPIPE INSTALLATION	
		DESCRIPTION	STRAATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.30m				WATER CONTENT PERCENT					
							SHEAR STRENGTH Cu, kPa		nat V. + rem V. ⊕ ⊙		10 <sup>-6</sup> 10 <sup>-5</sup> 10 <sup>-4</sup> 10 <sup>-3</sup>		Wp			Wi
0	Power Auger 200 mm Diam. (Hollow Stem)	GROUND SURFACE		95.19 0.00												
		FILL - (SM) SILTY SAND; grey brown; non-cohesive, moist, loose			1	SS	5									
1		(CL) sandy SILTY CLAY; grey brown, contains silty sand layers; cohesive, w~PL, very stiff		94.43 0.76		2	SS	4								
2						3	SS	12								
						4	SS	55/ 0.23								
3	Rotary Drill NQ Core	Fresh, medium bedded, grey, medium to strong LIMESTONE BEDROCK		92.53 2.66		5	RC	DD								
4		End of Borehole		90.88 4.31												
5																
6																
7																
8																
9																
10																

MIS-BHS 001 20144864.GPJ GAL-MIS.GDT 7/24/20 JM/JEM

DEPTH SCALE

1 : 50



LOGGED: DG

CHECKED: BB

PROJECT: 20144864

# RECORD OF BOREHOLE: 20-308

SHEET 1 OF 1

LOCATION: N 5004825.9 ;E 356907.6

BORING DATE: June 23, 2020

DATUM: Geodetic

SAMPLER HAMMER, 64kg; DROP, 760mm

PENETRATION TEST HAMMER, 64kg; DROP, 760mm

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE		SAMPLES			DYNAMIC PENETRATION RESISTANCE, BLOWS/0.3m				HYDRAULIC CONDUCTIVITY, k, cm/s				ADDITIONAL LAB. TESTING	PIEZOMETER OR STANDPIPE INSTALLATION	
		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.30m	SHEAR STRENGTH				WATER CONTENT PERCENT					
								20 40 60 80		nat V. + Q - rem V. ⊕ U - ⊙		10 <sup>-6</sup> 10 <sup>-5</sup> 10 <sup>-4</sup> 10 <sup>-3</sup>		Wp  -----  W  -----  Wl			
0	Power Auger 200 mm Diam. (Hollow Stem)	GROUND SURFACE		95.33													
		TOPSOIL/FILL - (SM) SILTY SAND; dark brown, contains organic matter; non-cohesive, moist		0.00	1	SS	6										
		(ML) SILT, some sand, trace gravel; grey; non-cohesive, moist, loose to compact		0.30													
1						2	SS	4									
2																	
		(SM) gravelly SILTY SAND; grey, contains cobbles and boulders (GLACIAL TILL); non-cohesive, moist, very dense		93.20	3	SS	16								MH		
		End of Borehole Auger Refusal		2.13	4	SS	50/0.25										
3				92.82													
				2.51													
4																	
5																	
6																	
7																	
8																	
9																	
10																	

MIS-BHS 001 20144864.GPJ GAL-MIS.GDT 7/24/20 JM/JEM

DEPTH SCALE

1 : 50



LOGGED: KM

CHECKED: BB



PROJECT: 20144864

# RECORD OF BOREHOLE: 20-309

SHEET 1 OF 1

LOCATION: N 5004667.6 ; E 356880.1

BORING DATE: June 24, 2020

DATUM: Geodetic

SAMPLER HAMMER, 64kg; DROP, 760mm

PENETRATION TEST HAMMER, 64kg; DROP, 760mm

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE		SAMPLES		DYNAMIC PENETRATION RESISTANCE, BLOWS/0.3m				HYDRAULIC CONDUCTIVITY, k, cm/s				ADDITIONAL LAB. TESTING	PIEZOMETER OR STANDPIPE INSTALLATION		
		DESCRIPTION	STRAATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.30m	SHEAR STRENGTH				WATER CONTENT PERCENT					
								Cu, kPa		nat V. rem V.	+ ⊕	- ⊙	Wp			W	Wi
0	Power Auger 200 mm Diam. (Hollow Stem)	GROUND SURFACE		95.28 0.00													
		TOPSOIL - (SM) SILTY SAND; dark brown, with rootlets; non-cohesive, moist				1	SS	8									
1		(ML) SILT, some sand; grey brown; non-cohesive, moist to wet, loose to compact		94.67 0.61													
2																	
3	Rotary Drill N.G. Core	Slightly weathered to fresh, medium bedded, grey, medium to strong LIMESTONE BEDROCK		92.19 3.09													
4																	
5																	
6																	
7		End of Borehole		88.96 6.32													
8																	
9																	
10																	

CHEM

▽

WL in open borehole at 2.50 m depth below ground surface upon completion of drilling

MIS-BHS 001 20144864.GPJ GAL-MIS.GDT 7/24/20 JMJ/JEM



PROJECT: 20144864

# RECORD OF BOREHOLE: 20-310

SHEET 1 OF 1

LOCATION: N 5004599.5 ; E 356935.2

BORING DATE: June 24, 2020

DATUM: Geodetic

SAMPLER HAMMER, 64kg; DROP, 760mm

PENETRATION TEST HAMMER, 64kg; DROP, 760mm

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE		SAMPLES			DYNAMIC PENETRATION RESISTANCE, BLOWS/0.3m				HYDRAULIC CONDUCTIVITY, k, cm/s				ADDITIONAL LAB. TESTING	PIEZOMETER OR STANDPIPE INSTALLATION	
		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.30m	SHEAR STRENGTH				WATER CONTENT PERCENT					
								Cu, kPa		nat V. rem V.	+ ⊕	- ⊖	Q - U	Wp			W
0		GROUND SURFACE		95.71													
		FILL - (SM) SILTY SAND; brown; non-cohesive, moist, loose		0.00	1	SS	6									Bentonite Seal	
1		(ML) SILT, some sand, fine; grey brown, contains silt layers; non-cohesive, moist to wet, compact		94.95 0.76	2	SS	15									Silica Sand	
2					3	SS	15										
3		(SM/ML) gravelly SAND and SILT; grey, with cobbles and boulders (GLACIAL TILL); non-cohesive, wet, loose to very dense		93.42 2.29	4	SS	9									38 mm Diam. PVC #10 Slot Screen MH	
4					5	SS	15									WL in Screen at Elev. 93.436 m on July 3, 2020	
5					6	SS	21										
6					7	SS	92										
6					8	SS	58										
6		End of Borehole		89.62 6.09													

MIS-BHS 001 20144864.GPJ GAL-MIS.GDT 7/24/20 JMJ/JEM

DEPTH SCALE

1 : 50



LOGGED: DG

CHECKED: BB

PROJECT: 20144864

# RECORD OF BOREHOLE: 20-311

SHEET 1 OF 1

LOCATION: N 5004680.7 ;E 356947.0

BORING DATE: June 23, 2020

DATUM: Geodetic

SAMPLER HAMMER, 64kg; DROP, 760mm

PENETRATION TEST HAMMER, 64kg; DROP, 760mm

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE		SAMPLES		DYNAMIC PENETRATION RESISTANCE, BLOWS/0.3m				HYDRAULIC CONDUCTIVITY, k, cm/s				ADDITIONAL LAB. TESTING	PIEZOMETER OR STANDPIPE INSTALLATION		
		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.30m	SHEAR STRENGTH				WATER CONTENT PERCENT					
								Cu, kPa		nat V. + rem V. ⊕ ⊙		Q - U				Wp	
0		GROUND SURFACE		95.69			20	40	60	80							
	Power Auger 200 mm Diam. (Hollow Stem)	TOPSOIL/FILL - (SM) SILTY SAND; dark brown, contains organic matter; moist	[Cross-hatched]	0.00	1	SS	3										
		(ML) SILT, trace sand; grey brown to grey, contains layers of clayey silt; non-cohesive, moist, very loose to loose	[Vertical lines]	95.39 0.30													
1					94.17	2	SS	5									
		(SM) gravelly SILTY SAND; grey, contains cobbles and boulders (GLACIAL TILL); non-cohesive, moist, compact to very dense	[Cross-hatched]	1.52	3	SS	26										
2				93.23	4	SS	50/ 0.03										
		End of Borehole Auger Refusal		2.46													
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

Open borehole dry upon completion of drilling

MIS-BHS 001 20144864.GPJ GAL-MIS.GDT 7/24/20 JM/JEM

DEPTH SCALE

1 : 50



LOGGED: KM

CHECKED: BB

PROJECT: 20144864

# RECORD OF BOREHOLE: 20-312

SHEET 1 OF 1

LOCATION: N 5004719.6 ;E 357006.5

BORING DATE: June 23, 2020

DATUM: Geodetic

SAMPLER HAMMER, 64kg; DROP, 760mm

PENETRATION TEST HAMMER, 64kg; DROP, 760mm

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE		SAMPLES		DYNAMIC PENETRATION RESISTANCE, BLOWS/0.3m				HYDRAULIC CONDUCTIVITY, k, cm/s				ADDITIONAL LAB. TESTING	PIEZOMETER OR STANDPIPE INSTALLATION	
		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	SHEAR STRENGTH Cu, kPa				WATER CONTENT PERCENT					
							20	40	60	80	nat V. +	rem V. ⊕	Q - ●			U - ○
0	Power Auger 200 mm Diam. (Hollow Stem)	GROUND SURFACE		96.19												
		TOPSOIL/FILL - (SM) SILTY SAND; dark brown, contains organic matter; non-cohesive, moist, very loose		0.00	1	SS	4									
1		(SM) gravelly SILTY SAND; grey brown, contains cobbles and boulders (GLACIAL TILL); non-cohesive, moist, compact to very dense		0.61	2	SS	19									
				94.41	3	SS	50/ 0.10									
2		End of Borehole Auger Refusal		1.78												
3																
4																
5																
6																
7																
8																
9																
10																

Open borehole dry upon completion of drilling

MIS-BHS 001 20144864.GPJ GAL-MIS.GDT 7/24/20 JMJ/JEM

DEPTH SCALE

1 : 50



LOGGED: KM

CHECKED: BB



**patersongroup**  
consulting engineers

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

NO.	REVISIONS	DATE	INITIAL

CAIVAN (RICHMOND NORTH) LIMITED  
GROUNDWATER IMPACT ASSESSMENT  
PROPOSED RESIDENTIAL DEVELOPMENT - 6305 OTTAWA STREET WEST  
OTTAWA, ONTARIO

Title: **SITE PLAN**

Scale: 1:2500  
Drawn by: YA  
Checked by: EA  
Approved by: MK

Date: 06/2020  
Report No.: PH4034-LET.01  
Dwg. No.: **PH4034-1**  
Revision No.:



**500 m RADIUS  
BUFFER ZONE**

**LEGEND:**  
 ● MECP WELL LOCATIONS

**patersongroup**  
 consulting engineers

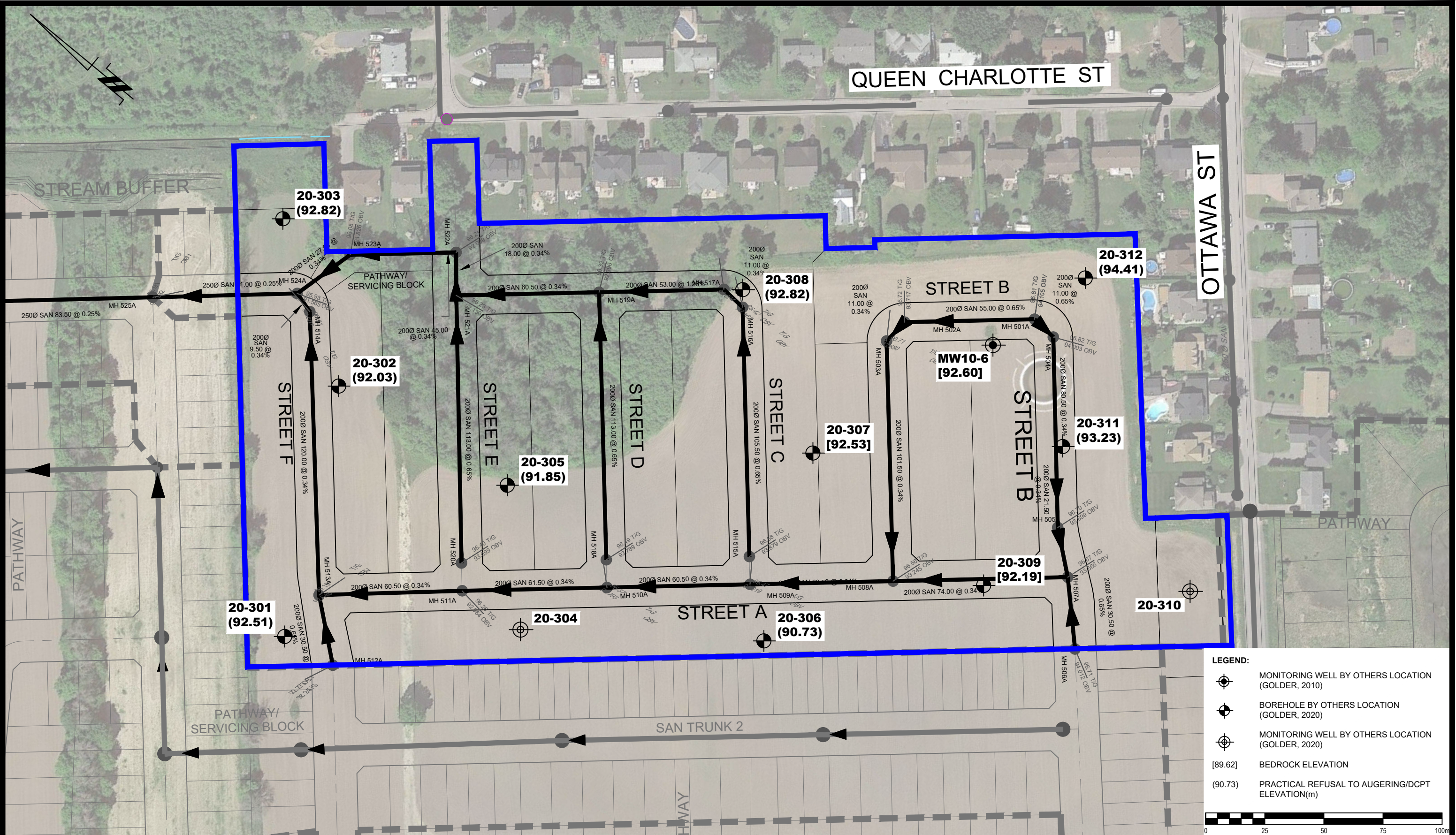
154 Colonnade Road South  
 Ottawa, Ontario K2E 7J5  
 Tel: (613) 226-7381 Fax: (613) 226-6344

NO.	REVISIONS	DATE	INITIAL

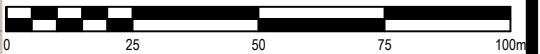
**CAIVAN (RICHMOND NORTH) LIMITED**  
**GROUNDWATER IMPACT ASSESSMENT**  
**PROPOSED RESIDENTIAL DEVELOPMENT - 6305 OTTAWA STREET WEST**  
 OTTAWA, ONTARIO  
 Title: **MECP WATER WELL LOCATION PLAN**

Scale:	1:7500	Date:	06/2020
Drawn by:	YA	Report No.:	PH4034-LET.01
Checked by:	EA	Dwg. No.:	<b>PH4034-2</b>
Approved by:	MK	Revision No.:	

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- LEGEND:**
- MONITORING WELL BY OTHERS LOCATION (GOLDER, 2010)
  - BOREHOLE BY OTHERS LOCATION (GOLDER, 2020)
  - MONITORING WELL BY OTHERS LOCATION (GOLDER, 2020)
  - [89.62] BEDROCK ELEVATION
  - (90.73) PRACTICAL REFUSAL TO AUGERING/DCPT ELEVATION(m)



**patersongroup**  
 consulting engineers  
 154 Colonnade Road, Ottawa, Ontario K2E 7J5

DD/MMYY	Description	Rev.

Client  
**CAIVAN (RICHMOND NORTH) LIMITED**

Project  
**PROPOSED RESIDENTIAL DEVELOPMENT**  
 6305 OTTAWA STREET WEST  
 OTTAWA (CARP), ONTARIO

Drawing  
**TEST HOLE LOCATION PLAN**

Scale: 1:1500  
 Date: 01/2021  
 Drawing no.: **PH4034-3**

Drawn by: RCG  
 Checked by: MK

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316/af. "A"

13 | 4 | 3 | 8 | 0 | P



RECEIVED JUN 19 1953 GEOLOGICAL BRANCH DEPARTMENT of MINES

No 9117

Situation: Is well on upland... Drilling Firm... Address... Name of Driller... Date...

The Well Drillers Act Department of Mines, Province of Ontario

Well Record

FORM 5

Village, Town or City... Richmond... Richmond Ont.

Date Completed... 11 Jan 53... Cost of Well (excluding pump)...

Pipe and Casing Record

Pumping Test

Casing diameter(s)... 4 inch... Length(s) of casing(s)... 12 ft... Type of screen... No screen...

Date... Jan 11 1953... Static level... 6... Pumping level... 10 feet... Pumping rate... 250 per hour... Duration of test... half hour...

Water Record

Kind (fresh or mineral)... fresh... Quality (hard, soft, contains iron, sulphur, etc.)... soft... Appearance (clear, cloudy, coloured)... clear... For what purpose(s) is the water to be used?... private home... How far is well from possible source of contamination?... 40 yds... What is the source of contamination?... septic tank...

Table with 3 columns: Depth(s) to Water Horizon(s), Kind of Water, No. of Feet Water Rises. Row 1: 40, fresh, 42

Well Log

Overburden and Bedrock Record

From To 0 ft. ....ft.

12 feet of blue Clay

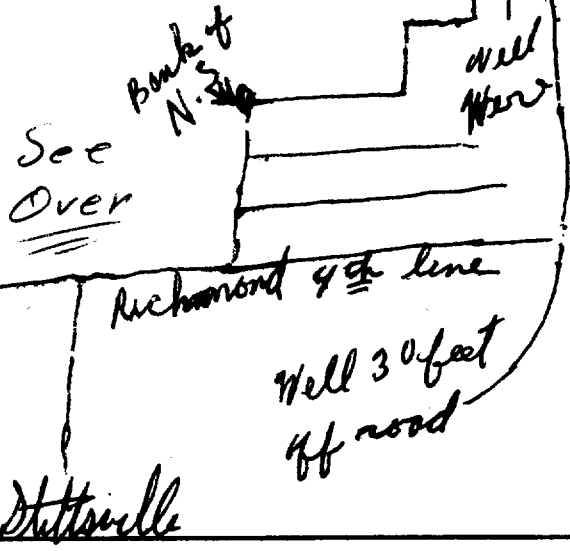
0 12

36 feet "gray limestone

12 48

Location of Well

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



Situation: Is well on upland, in valley, or on hillside? Drilling Firm... J. B. Sparks... Address... Stittsville Ont... Name of Driller... Clayton Sparks... Date... Jan 11 1953... Licence Number... 396... Signature of Licensee... J. B. Sparks

FORM 5



316/4f "A"

UTM 18 2 4 3 4 5 4 5 P  
5 R 5 0 0 3 1 6 0 N  
Elev. 4 R 0 3 1 1 0  
Basin 2 5



RECEIVED  
JUN 19 1953  
GEOLOGICAL BRANCH  
DEPARTMENT of MINES

15 No 9121

The Well Drillers Act  
Department of Mines, Province of Ontario

# Water Well Record

Village, Town or City... *Richmond*  
Town or City...  
s... *Richmond, Ont.*

Date Completed... *18* (day) *Feb* (month) *53* (year) Cost of Well (excluding pump).....

### Pipe and Casing Record

### Pumping Test

Casing diameter(s) *4 inch*  
Length(s) of casing(s) *18 ft*  
Type of screen *No. screen*  
Length of screen.....  
Distance from top of screen to ground level.....  
Is well a gravel-wall type?.....

Date *Feb 18 1953*  
Static level *25 feet*  
Pumping level *30 ft*  
Pumping rate *150 per hr.*  
Duration of test *half hour*  
Distance from cylinder or bowls to ground level.....

### Water Record

Kind (fresh or mineral) *fresh*  
Quality (hard, soft, contains iron, sulphur, etc.) *soft*  
Appearance (clear, cloudy, coloured) *clear*  
For what purpose(s) is the water to be used? *house*  
How far is well from possible source of contamination? *150 feet*  
What is the source of contamination? *septic tank*  
Enclose a copy of any mineral analysis that has been made of water.....

Depth(s) to Water Horizon(s)	Kind of Water	No. of Feet Water Rises
<i>80</i>	<i>fresh</i>	<i>65</i>

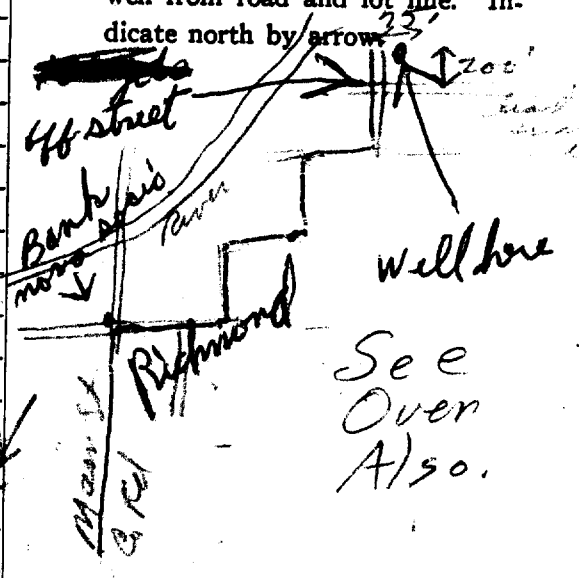
### Well Log

#### Overburden and Bedrock Record

	From	To
	0 ft.	...ft.
<i>18 feet clay</i>	<i>0</i>	<i>18</i>
<i>72 feet gray limestone</i>	<i>18</i>	<i>90</i>

### Location of Well

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



Situation: Is well on upland, in valley, or on hillside?.....  
Drilling Firm *F. P. Sparks*  
Address *Stittsville, Ont.*  
Name of Driller *Clayton Sparks* Address *Stittsville, Ont.*  
Date *Feb 18 1953* Licence Number *396*  
*F. P. Sparks*  
Signature of Licensee

316/4f. A'



UTM 118Z 434415P

5R 5003530N

Elev. 4R 03110

The Ontario Water Resources Commission Act, 1957

Basin 25

15 No 9207  
GROUND WATER BRANCH  
JAN 11 1959  
RESOURCES COMMISSION

# WATER WELL RECORD

County or District CARLTON Township Brierton Village, Town or City Brierton

Con. \_\_\_\_\_ Lot \_\_\_\_\_ Date completed 21 Oct 59  
(day month year)

Address 2 MARILAND ST. Brierton

### Casing and Screen Record

Inside diameter of casing 4"  
Total length of casing 34'  
Type of screen \_\_\_\_\_  
Length of screen \_\_\_\_\_  
Depth to top of screen \_\_\_\_\_  
Diameter of finished hole 4"

### Pumping Test

Static level Flowing  
Test-pumping rate 5 G.P.M.  
Pumping level Top  
Duration of test pumping 1 hr  
Water clear or cloudy at end of test Clear  
Recommended pumping rate 5 G.P.M.  
with pumping level of Top

### Well Log

### Water 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)
<u>CLAY</u>	<u>0</u>	<u>34</u>			
<u>Limestone</u>	<u>34</u>	<u>44</u>	<u>44</u>	<u>44</u>	<u>FRESH</u>

For what purpose(s) is the water to be used?  
House

Is well on upland, in valley, or on hillside?  
Upland

Drilling Firm M MEAGHER

Address OTTAWA

Licence Number \_\_\_\_\_

Name of Driller SAME

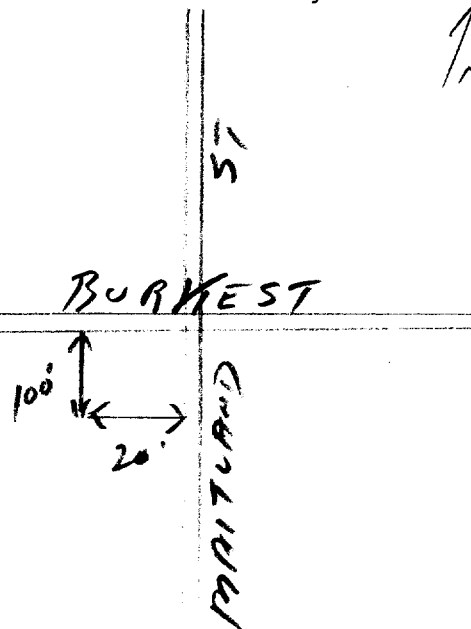
Address \_\_\_\_\_

Date JAN 11/59

(Signature of Licensed Drilling Contractor)

### Location of Well

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



637  
 UTM 182 434315 P  
 5R 5003640 N

316/4f "A"



GROUND WATER BRANCH  
 15 JUN 23 1962  
 ONTARIO WATER RESOURCES COMMISSION

Elev. 4R 0310 The Ontario Water Resources Commission Act, 1957

Basin 25

# WATER WELL RECORD

VILLAGE OF RICHMOND

County or District CARLETON Township, Village, Town or City (NEPEAN)  
 Con. \_\_\_\_\_ Lot \_\_\_\_\_ Date completed 23 JUNE 1960  
 (day month year)  
 Owner JOHN COADY CONST. Address 212 ELLENDALE CRESCENT OTTAWA  
 (print in block letters)

## Casing and Screen Record

## Pumping Test

Inside diameter of casing 8"  
 Total length of casing 24'  
 Type of screen NONE  
 Length of screen \_\_\_\_\_  
 Depth to top of screen \_\_\_\_\_  
 Diameter of finished hole 8"

Static level 8'  
 Test-pumping rate 45 G.P.M.  
 Pumping level 20'  
 Duration of test pumping 1 HR.  
 Water clear or cloudy at end of test CLOUDY  
 Recommended pumping rate 45 G.P.M.  
 with pumping level of 20'

## Well Log

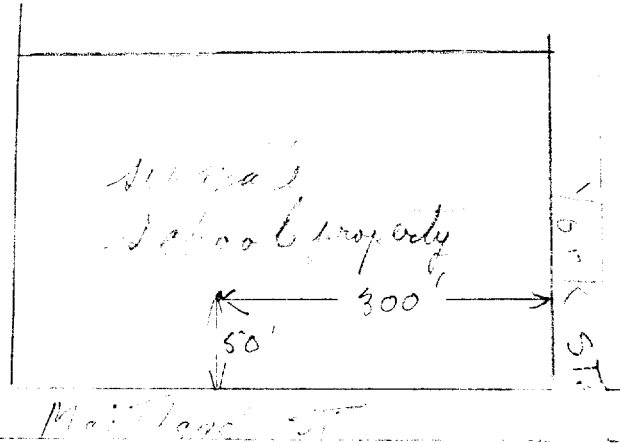
## Water Record

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)
<u>sand &amp; boulders</u>	<u>0'</u>	<u>14'</u>			
<u>grey limestone</u>	<u>24'</u>	<u>80'</u>	<u>80</u>	<u>72</u>	<u>fresh</u>

For what purpose(s) is the water to be used?  
SCHOOL  
 Is well on upland, in valley, or on hillside? \_\_\_\_\_  
 Drilling Firm McLEAN WATER SUPPLY LTD.  
1502 RAVEN AVE.  
 Address PA 2-7915 OTTAWA  
 Licence Number 476  
 Name of Driller B. FOSTER  
 Address \_\_\_\_\_  
 Date \_\_\_\_\_  
A. L. McLean  
 (Signature of Licensed Drilling Contractor)

## Location of Well

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



48

30/4/71



GROUND WATER BRANCH  
 15 No. 9256  
 JUN 1 1962  
 ONTARIO WATER RESOURCES COMMISSION

UTM 18Z 434410F

5R 5003765N

The Ontario Water Resources Commission Act

Elev. 4R 0309

# WATER WELL RECORD

Basin 25 | | | | |  
County or District CHALTON

Township, Village, Town or City RICHMOND

Con. — Lot —

Date completed 10 MAR 62  
(day month year)

Owner J.P. BIGRAS CONST CO  
(print in block letters)

Address EASTVIEW

### Casing and Screen Record

### Pumping Test

Inside diameter of casing 4"  
 Total length of casing 20'  
 Type of screen —  
 Length of screen —  
 Depth to top of screen —  
 Diameter of finished hole 4"

Static level 12  
 Test-pumping rate 5 G.P.M.  
 Pumping level 15  
 Duration of test pumping 1 HR  
 Water clear or cloudy at end of test CLEAR  
 Recommended pumping rate 5 G.P.M.  
 with pump setting of 50 feet below ground surface

### Well Log

### Water Record

Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
<u>BLUE CLAY</u>	<u>0</u>	<u>20</u>		
<u>LIMESTONE</u>	<u>20</u>	<u>60</u>	<u>40-60</u>	<u>FRESH</u>

For what purpose(s) is the water to be used?  
NEW HOUSE

Is well on upland, in valley, or on hillside?  
 upland

Drilling or Boring Firm  
F.P. SPARKS

Address  
ST. JULIE

Licence Number  
616

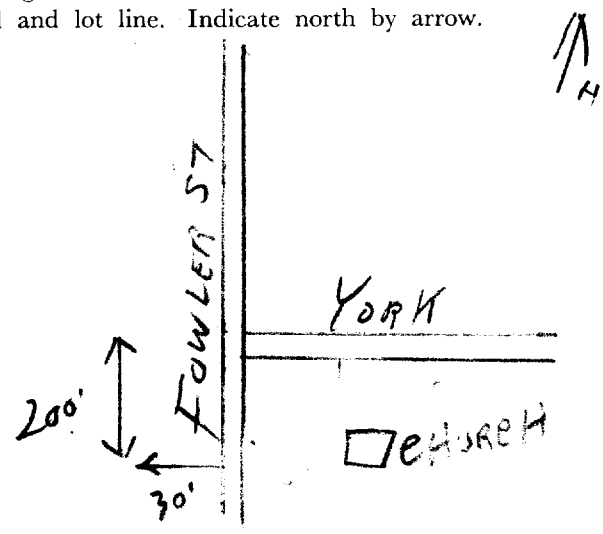
Name of Driller or Borer  
SAME

Address  
MAY 24/62

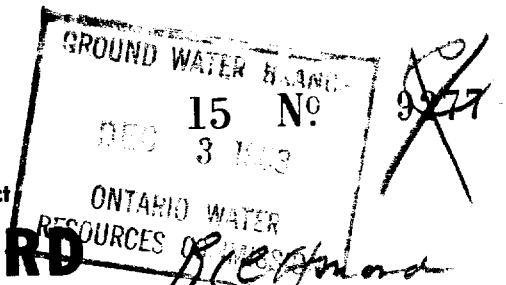
Date  
L. Sparks  
 (Signature of Licensed Drilling or Boring Contractor)

### Location of Well

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



319/4f. "A"



UTM 1182 434320 E

5R 5003160 N

The Ontario Water Resources Commission Act

Elev. 4R 03110

# WATER WELL RECORD

Basin 25  
County or District Carl

Township Village, Town or City Richmond  
Southwicks

Con. #1 Lot

Date completed 23 Oct 63  
(day month year)

Address Richmond Ont

Casing and Screen Record	
Inside diameter of casing	5"
Total length of casing	23
Type of screen	
Length of screen	
Depth to top of screen	
Diameter of finished hole	5"

Pumping Test	
Static level	5
Test-pumping rate	10 G.P.M.
Pumping level	10
Duration of test pumping	1 hr
Water clear or cloudy at end of test	cloudy
Recommended pumping rate	10 G.P.M.
with pump setting of	30 feet below ground surface

Well Log	Water Record			
	Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found
gravel & boulders	0	19	40	fresh
blue limestone	19	58	57	"

For what purpose(s) is the water to be used?  
new house

Is well on upland, in valley, or on hillside?  
upland

Drilling or Boring Firm  
Capital Water Supply

Address  
1243 Heron Road  
Ottawa

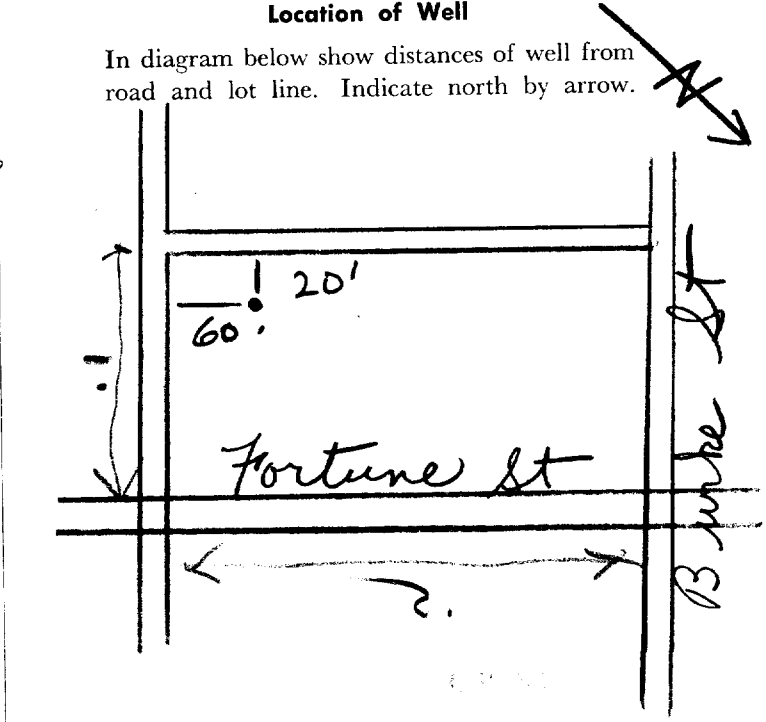
Licence Number  
976

Name of Driller or Borer  
S Huff

Address

Date  
23 Oct 1963

Walter Lavanagh  
(Signature of Licensed Drilling or Boring Contractor)



50

316/4f. 7A



WATER RESOURCES DIVISION  
15 No. 9296  
ONTARIO WATER RESOURCES COMMISSION  
Richmond  
Goulburn

UTM 1182 434385P

5R 5003805N

The Ontario Water Resources Commission Act

Elev. 4R 03110

# WATER WELL RECORD

Basin 215 Carleton

Township Village Town or City

County or District

Date completed 25th, Sept. 1965  
(day month year)

Con. Lot pt 13  
Address Forfar, Ont.  
(drilled in Richmond)

### Casing and Screen Record

### Pumping Test

Inside diameter of casing 6 and 5/8  
 Total length of casing 16'  
 Type of screen -  
 Length of screen -  
 Depth to top of screen -  
 Diameter of finished hole 6"

Static level 10  
 Test-pumping rate 300 G.P.H. G.P.M.  
 Pumping level 35'  
 Duration of test pumping 1 hour  
 Water clear or cloudy at end of test clear  
 Recommended pumping rate 300 G.P.H. G.P.M.  
 with pump setting of 10 feet below ground surface

### Well Log

### Water Record

#### Overburden and Bedrock Record

From ft.

To ft.

Depth(s) at which water(s) found

Kind of water (fresh, salty, sulphur)

clay  
limestone (grey)

0	13	72	fresh
13	80		

For what purpose(s) is the water to be used? house

Is well on upland, in valley, or on hillside? upland

Drilling or Boring Firm  
 J.B. Dufresne & Co. Ltd.  
 Address 1014 Maitland Ave., Ottawa, Ont.

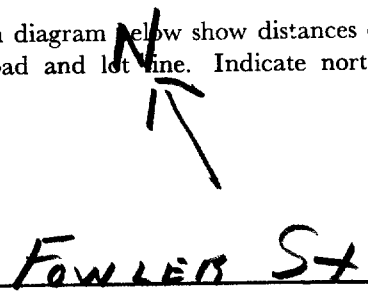
Licence Number 1307

Name of Driller or Borer W. Roy  
 Address 79 St-Basile, Deschênes Que.

Date September 25th, 1965  
 for J.B. Dufresne & Co. Ltd.  
 (Signature of Licensed Drilling or Boring Contractor)

### Location of Well

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



18 434350

4 560 03395

Nov. 4 0308

25



CODED

Water management in Ontario

1509605

DEPT. OF WATER RESOURCES

The Ontario Water Resources Commission Act

1968

# WATER WELL RECORD

County or District Carleton Township, Village, Town or City Richmond  
 Con. 111 Lot 23 Date completed 21 Nov 1968  
 (day month year)  
 Owner Julia Constr Ltd Address Richmond Ont.  
 (print in block letters)

### Casing and Screen Record

Inside diameter of casing 5"  
 Total length of casing 19'  
 Type of screen .....  
 Length of screen .....  
 Depth to top of screen .....  
 Diameter of finished hole 5"

### Pumping Test

Static level .....  
 Test-pumping rate 10 G.P.M.  
 Pumping level .....  
 Duration of test pumping .....  
 Water clear or cloudy at end of test .....  
 Recommended pumping rate ..... G.P.M.  
 with pump setting of ..... feet below ground surface

### Well Log

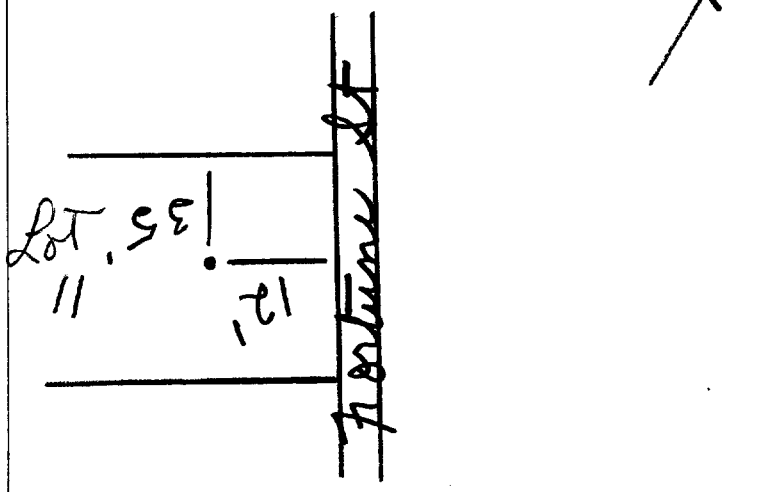
### Water Record

Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
<u>clay</u>	<u>0</u>	<u>15'</u>	<u>60</u>	<u>fresh</u>
<u>limestone</u>	<u>15</u>	<u>62</u>		

For what purpose(s) is the water to be used? new house  
 Is well on upland, in valley or on hillside? .....  
 Drilling or Boring Firm Capital Water Supply Ltd.  
 Address 14 Ashford Dr  
Ottawa 6  
 Licence Number 2857  
 Name of Driller or Borer J. Kavanagh  
 Address .....  
 Date 21 Nov 1968  
J. Kavanagh  
 (Signature of Licensed Drilling or Boring Contractor)

### Location of Well

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



JTM. 18-434370

4-50031195 CODED



1509723

B

Elev. 456 0312

The Ontario Water Resources Commission Act

Basin 25

# WATER WELL RECORD

County or District Carleton Township, Village, Town or City Richmond  
 Con. III Lot 23 Date completed 4 Dec 1968  
 (day month year)  
 Owner Julia Constr Ltd Address Richmond Ont  
 (print in block letters)

### Casing and Screen Record

Inside diameter of casing 5"  
 Total length of casing 18'  
 Type of screen .....  
 Length of screen .....  
 Depth to top of screen .....  
 Diameter of finished hole 5"

### Pumping Test

Static level 6  
 Test-pumping rate 10 G.P.M.  
 Pumping level 15  
 Duration of test pumping 1 hr  
 Water clear or cloudy at end of test .....  
 Recommended pumping rate 5 G.P.M.  
 with pump setting of 30 feet below ground surface

### Well Log

### Water Record

Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
<u>hardpan &amp; boulders</u>	<u>0</u>	<u>10'</u>	<u>60</u>	<u>fresh</u>
<u>limestone</u>	<u>10'</u>	<u>62'</u>		

For what purpose(s) is the water to be used?

new house

Is well on upland, in valley or on hillside?

Drilling or Boring Firm Capital Water Supply Ltd.

Address 14 Ashford Dr  
Ottawa 6

Licence Number 2857

Name of Driller or Borer B Acres

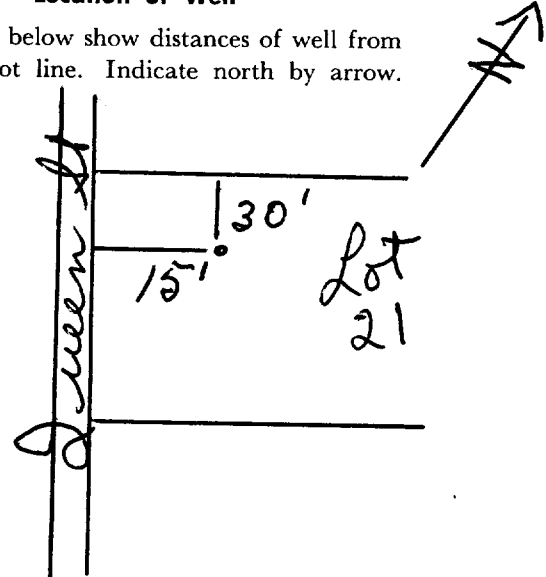
Address .....

Date 4 Dec 1968

Thaler Lavanagh  
(Signature of Licensed Drilling or Boring Contractor)

### Location of Well

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





UTM 18 434 450 CODED



1509724

B

4 58 0 0 3 2 7 0

Water management in Ontario

Elev. 4 0 3 0 8

The Ontario Water Resources Commission Act

# WATER WELL RECORD

Basin 25 Carleton  
County or District

Township, Village, Town or City Richmond

Con. 111 Lot 23

Date completed 29 Nov 1968  
(day month year)

Owner Julia Construction  
(print in block letters)

Address Richmond Ont.

### Casing and Screen Record

### Pumping Test

Inside diameter of casing 5"  
Total length of casing 24'  
Type of screen  
Length of screen  
Depth to top of screen  
Diameter of finished hole 5"

Static level 10  
Test-pumping rate 10 G.P.M.  
Pumping level 12  
Duration of test pumping 1 hr  
Water clear or cloudy at end of test  
Recommended pumping rate 5 G.P.M.  
with pump setting of 30 feet below ground surface

### Well Log

### Water Record

#### Overburden and Bedrock Record

hardpan & boulders  
limestone

From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
0	19	55'	fresh
19	56		

For what purpose(s) is the water to be used?  
new house

Is well on upland, in valley, or on hillside?  
Drilling or Boring Firm Capital Water Supply Ltd.

Address 14 Ashford Dr  
Ottawa 6

Licence Number 2857

Name of Driller or Borer B Aves

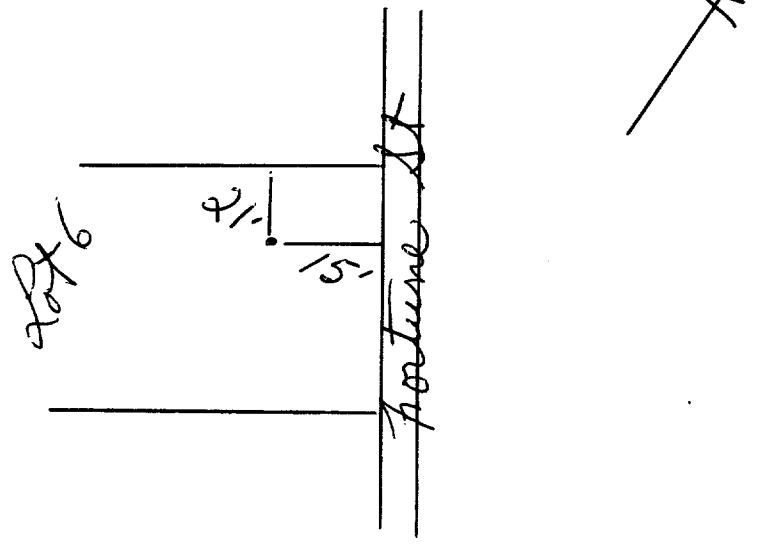
Address

Date Nov 1968

Walter Lavarnagh  
(Signature of Licensed Drilling or Boring Contractor)

### Location of Well

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



JTM 18-434475

433003250

CODED



Water management in Ontario

1509725

B

Elev. 40307

The Ontario Water Resources Commission Act

# WATER WELL RECORD

Basin 257  
 County or District Carleton Township, Village, Town or City Richmond  
 Con. 711 Lot 23 Date completed 26 Nov 1968  
 (day month year)  
 Owner Julia Constr Ltd. Address Richmond Ont.  
 (print in block letters)

### Casing and Screen Record

### Pumping Test

Inside diameter of casing 5"  
 Total length of casing 26'  
 Type of screen  
 Length of screen  
 Depth to top of screen  
 Diameter of finished hole 5"

Static level 5  
 Test-pumping rate 10 G.P.M.  
 Pumping level 17  
 Duration of test pumping 1 hr  
 Water clear or cloudy at end of test  
 Recommended pumping rate 5 G.P.M.  
 with pump setting of 30 feet below ground surface

### Well Log

### Water Record

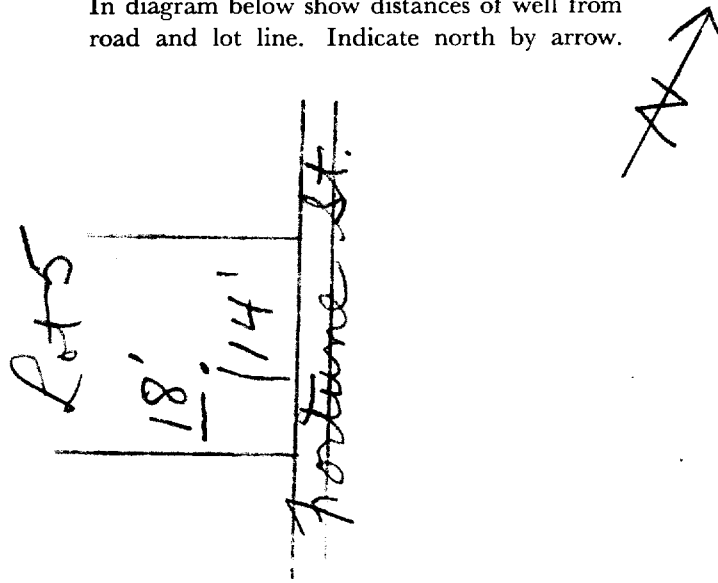
#### Overburden and Bedrock Record

	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
<u>clay &amp; boulders</u>	<u>0'</u>	<u>23'</u>	<u>54</u>	<u>fresh</u>
<u>limestone</u>	<u>23'</u>	<u>55'</u>		

For what purpose(s) is the water to be used?  
new house  
 Is well on upland, in valley, or on hillside?  
 Drilling or Boring Firm Capital Water Supply Ltd.  
 Address 14 Ashford Dr  
Ottawa 6  
 Licence Number 2857  
 Name of Driller or Borer B Acres  
 Address  
 Date Nov 26 1968  
Walter Lavonagh  
 (Signature of Licensed Drilling or Boring Contractor)

### Location of Well

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



Div. 18-434325  
 4-50-03415  
 Div. 4-0308  
 Pin 25

CODED



Water management in Ontario

1509726  
 3 9

B

The Ontario Water Resources Commission Act

# WATER WELL RECORD

County or District Carleton Township, Village, Town or City Richmond  
 Con. III Lot 23 Date completed 18 Nov 1968  
 (day month year)  
 Owner Julia Construction Ltd Address Richmond Ont.  
 (print in block letters)

## Casing and Screen Record

Inside diameter of casing 5"  
 Total length of casing 20'  
 Type of screen  
 Length of screen  
 Depth to top of screen  
 Diameter of finished hole 5"

## Pumping Test

Static level 18  
 Test-pumping rate 10 G.P.M.  
 Pumping level 28  
 Duration of test pumping 1 hr  
 Water clear or cloudy at end of test  
 Recommended pumping rate 5 G.P.M.  
 with pump setting of 35' feet below ground surface

## Well Log

### Overburden and Bedrock Record

sandy clay with  
shoulders  
limestone

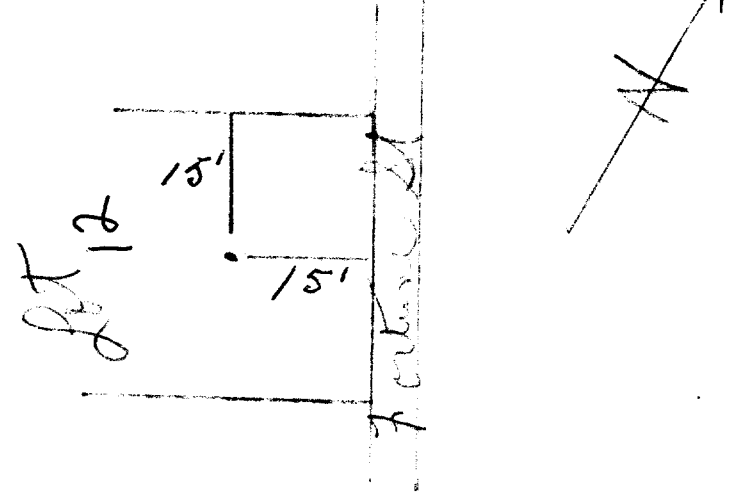
## Water Record

From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
0	15'	60	fresh
15	61		

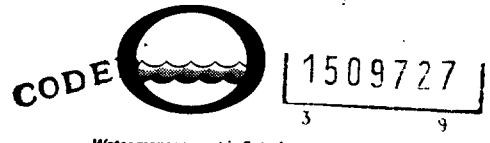
For what purpose(s) is the water to be used?  
new house  
 Is well on upland, in valley, or on hillside?  
 Drilling or Boring Firm Capital Water Supply Ltd  
 Address 14 Ashford Dr  
Ottawa 6  
 Licence Number 2851  
 Name of Driller or Borer B Acres  
 Address  
 Date Nov 18 1968  
Thaler Lavanagh  
 (Signature of Licensed Drilling or Boring Contractor)

## Location of Well

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



JTW 18-434380  
 4<sup>R</sup> 159 03175<sup>T</sup>  
 lev. 4 8 3 1 2  
 sin 25<sup>T</sup>



B

The Ontario Water Resources Commission Act

# WATER WELL RECORD

JAN 8 1968

County or District Carleton Township, Village, Town or City Richmond  
 Con. III Lot 23 Date completed 14 Nov 1968  
 (day month year)  
 Owner Julia Construction Ltd. Address Richmond Ont.  
 (print in block letters)

### Casing and Screen Record

### Pumping Test

Inside diameter of casing 5  
 Total length of casing 20'  
 Type of screen  
 Length of screen  
 Depth to top of screen  
 Diameter of finished hole 5"

Static level 4  
 Test-pumping rate 10 G.P.M.  
 Pumping level 6  
 Duration of test pumping 1 hr  
 Water clear or cloudy at end of test  
 Recommended pumping rate 5 G.P.M.  
 with pump setting of 30 feet below ground surface

### Well Log

### Water Record

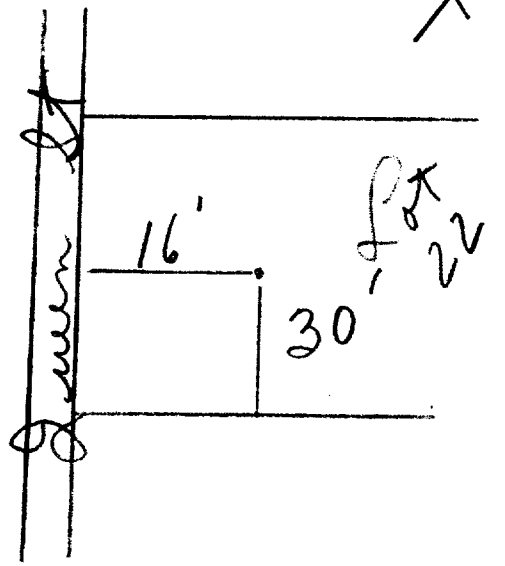
#### Overburden and Bedrock Record

	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
<u>sandy clay</u>	<u>0'</u>	<u>6'</u>	<u>62</u>	<u>fresh</u>
<u>limestone</u>	<u>6</u>	<u>63</u>		

For what purpose(s) is the water to be used?  
new house  
 Is well on upland, in valley or on hillside?  
 Drilling or Boring Firm Capital Water Supply Ltd.  
 Address 14 Ashford Dr  
Ottawa 6  
 Licence Number 2857  
 Name of Driller or Borer B Acres  
 Address  
 Date 14 Nov 1968  
Walter Lavanagh  
 (Signature of Licensed Drilling or Boring Contractor)

### Location of Well

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



18-434280

4-50003440

CODED



1509730

B

4-0308

The Ontario Water Resources Commission Act

# WATER WELL RECORD

County or District Carleton Township, Village, Town or City Richmond  
 Con. 4th Lot 23 Date completed 1 Nov 1968  
 (day month year)  
 Address Richmond Ont.

### Casing and Screen Record

Inside diameter of casing 5"  
 Total length of casing 20'  
 Type of screen .....  
 Length of screen .....  
 Depth to top of screen .....  
 Diameter of finished hole 5"

### Pumping Test

Static level 12  
 Test-pumping rate 10 G.P.M.  
 Pumping level 21'  
 Duration of test pumping 1 hr  
 Water clear or cloudy at end of test .....  
 Recommended pumping rate 5 G.P.M.  
 with pump setting of 30' feet below ground surface

### Well Log

### Water Record

Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
<u>clay with boulders</u>	<u>0</u>	<u>10</u>	<u>52</u>	<u>fresh</u>
<u>limestone</u>	<u>10</u>	<u>53</u>		

For what purpose(s) is the water to be used?

new house

Is well on upland, in valley, or on hillside?

Drilling or Boring Firm Capital Water Supply Ltd.

Address 14 Ashford Dr. Ottawa 6

Licence Number 2857

Name of Driller or Borer B. Acres

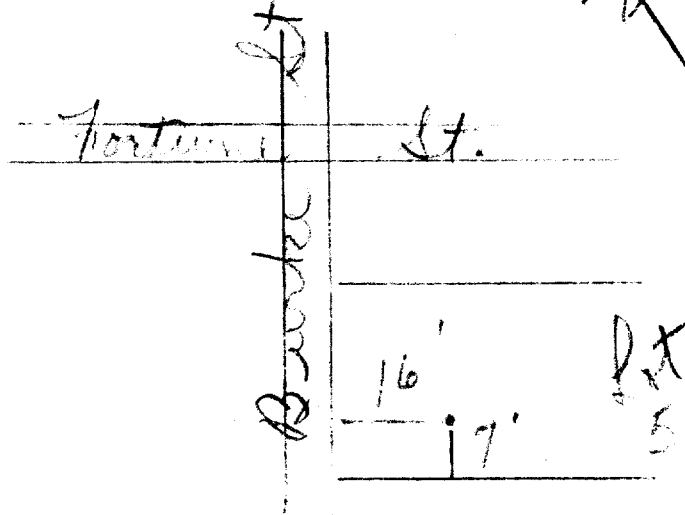
Address .....

Date 1 Nov 1968

Kater Kavanagh  
(Signature of Licensed Drilling or Boring Contractor)

### Location of Well

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



ATM 118 434320  
14 480 03230



1509731  
3 9

B

Water management in Ontario

Elev. 4 01312

The Ontario Water Resources Commission Act

WATER RESOURCES

Basin 25T

# WATER WELL RECORD

JAN 9 1969

County or District Carleton

Township, Village, Town or City Richmond

Con. 71 Lot 23

Date completed 24 Dec 1968  
(day month year)

Owner Julia Constr Ltd.  
(print in block letters)

Address Richmond Ont.

### Casing and Screen Record

### Pumping Test

Inside diameter of casing 5"  
Total length of casing 18'  
Type of screen  
Length of screen  
Depth to top of screen  
Diameter of finished hole 5"

Static level 8  
Test-pumping rate 10 G.P.M.  
Pumping level 12'  
Duration of test pumping 1 hr  
Water clear or cloudy at end of test  
Recommended pumping rate 5 G.P.M.  
with pump setting of 30 feet below ground surface

### Well Log

### Water Record

Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
hardpan & boulders	0	9'	58'	fresh
limestone	9'	60'		

For what purpose(s) is the water to be used?  
new house

Is well on upland, in valley or on hillside?  
upland

Drilling or Boring Firm Capital Water Supply Ltd.

Address 14 Ashford Dr  
Ottawa 6

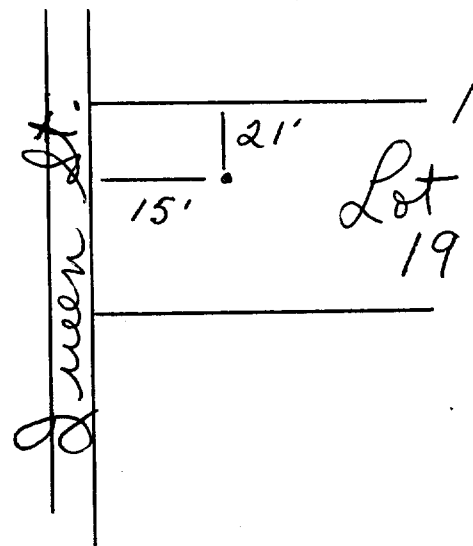
Licence Number 2857

Name of Driller or Borer B Acres

Address  
Date 24 Dec 1968  
Walter Lavagnagh  
(Signature of Licensed Drilling or Boring Contractor)

### Location of Well

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



STN 118 434365  
 45003380



1509736

ⓑ

Elev. 46 0309

The Ontario Water Resources Commission Act

# WATER WELL RECORD

Basin 25

County or District Carleton

Township, Village, Town or City Richmond

Con. 114 Lot 23

Date completed 10 Dec 1968  
(day month year)

Owner Julca Constr Ltd.  
(print in block letters)

Address Richmond Ont.

### Casing and Screen Record

### Pumping Test

Inside diameter of casing 5"  
 Total length of casing 24'  
 Type of screen .....  
 Length of screen .....  
 Depth to top of screen .....  
 Diameter of finished hole 5"

Static level 2'  
 Test-pumping rate 10 G.P.M.  
 Pumping level 27'  
 Duration of test pumping 1 hr  
 Water clear or cloudy at end of test clear  
 Recommended pumping rate 5 G.P.M.  
 with pump setting of 30 feet below ground surface

### Well Log

### Water Record

Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
<u>sandy clay</u>	<u>0</u>	<u>15'</u>	<u>67'</u>	<u>fresh</u>
<u>hardpan &amp; boulders</u>	<u>15</u>	<u>20</u>		
<u>limestone</u>	<u>20</u>	<u>68</u>		

For what purpose(s) is the water to be used?

new house

Is well on upland, in valley or on hillside?

Drilling or Boring Firm Capital Water Supply Ltd

Address 14 Ashford Dr

Ottawa 6

Licence Number 2857

Name of Driller or Borer J Miron

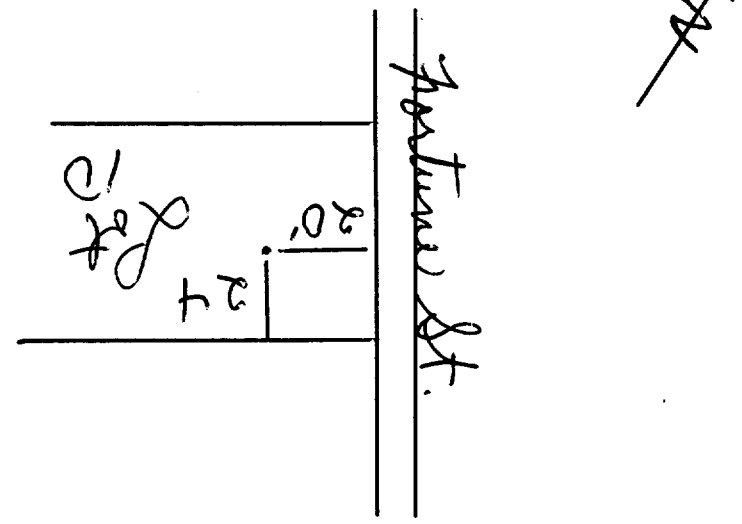
Address .....

Date 10 Dec 1968

Walter Kavanagh  
 (Signature of Licensed Drilling or Boring Contractor)

### Location of Well

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



JTM 18-434380

CODED



1509737

B

4 5203360

Water management in Ontario

Elev. 450310

The Ontario Water Resources Commission Act

Basin 215 L

# WATER WELL RECORD

County or District Carleton Township, Village, Town or City Richmond

Con. 1/4 Lot 23 Date completed 4 Dec 1968  
(day month year)

Owner Julia Constr Ltd. Address Richmond Ont.  
(print in block letters)

### Casing and Screen Record

### Pumping Test

Inside diameter of casing 5"  
Total length of casing 20'  
Type of screen  
Length of screen  
Depth to top of screen  
Diameter of finished hole 5"

Static level 1'  
Test-pumping rate 10 G.P.M.  
Pumping level 25'  
Duration of test pumping 1 hr  
Water clear or cloudy at end of test  
Recommended pumping rate 5 G.P.M.  
with pump setting of 30 feet below ground surface

### Well Log

### Water Record

#### Overburden and Bedrock Record

From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
0	14	58	fresh
14'	17'		
17	60		

sand clay  
hardpan & boulders  
limestone

For what purpose(s) is the water to be used?

new house

Is well on upland, in valley, or on hillside?

Drilling or Boring Firm Capital Water Supply Ltd.

Address 14 Ashford Dr  
Ottawa 6

Licence Number 2857

Name of Driller or Borer V Miron

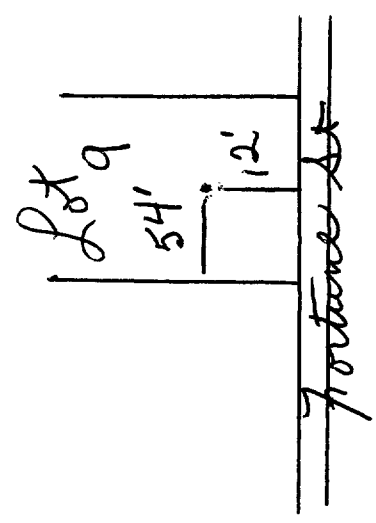
Address

Date Dec 4 1968

Walter Xavanagh  
(Signature of Licensed Drilling or Boring Contractor)

### Location of Well

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





J.N. 18 434 400  
 4 50 03 33 0  
 Elev. 456 0310



1509738

B

CODED

Water management in Ontario

The Ontario Water Resources Commission Act

# WATER WELL RECORD

Basin 25  
 County or District Carleton Township, Village, Town or City Richmond  
 Con. 14 Lot 23 Date completed 29 Nov 1968  
 (day month year)  
 Owner Julia Constr Ltd. Address Richmond Ont.  
 (print in block letters)

### Casing and Screen Record

### Pumping Test

Inside diameter of casing 5"  
 Total length of casing 22'  
 Type of screen  
 Length of screen  
 Depth to top of screen  
 Diameter of finished hole 5"

Static level 4  
 Test-pumping rate 10 G.P.M.  
 Pumping level 8  
 Duration of test pumping 1 hr  
 Water clear or cloudy at end of test  
 Recommended pumping rate 5 G.P.M.  
 with pump setting of 30 feet below ground surface

### Well Log

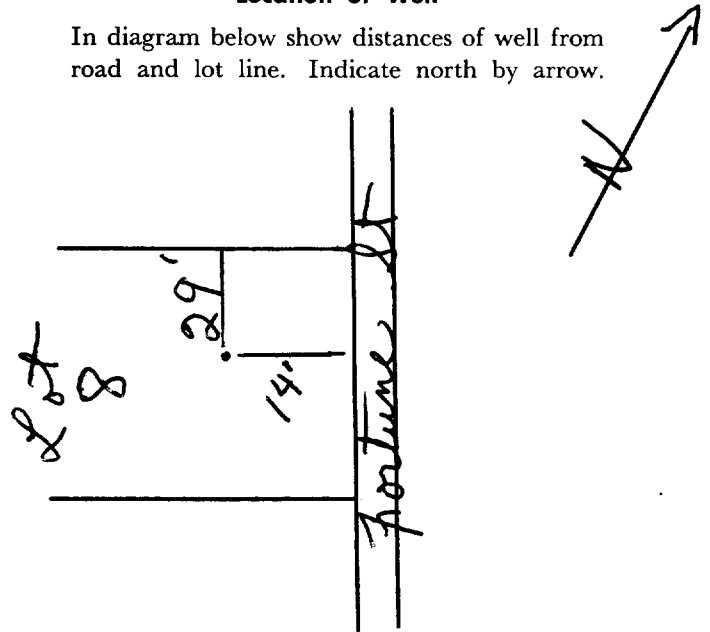
### Water Record

Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
<u>clay</u>	<u>0'</u>	<u>12'</u>	<u>58</u>	<u>fresh</u>
<u>hardpan &amp; boulders</u>	<u>12'</u>	<u>18'</u>		
<u>limestone</u>	<u>18</u>	<u>60</u>		

For what purpose(s) is the water to be used?  
new house  
 Is well on upland, in valley or on hillside?  
 Drilling or Boring Firm Capital Water Supply Ltd.  
 Address 14 Ashbld Dr  
Ottawa 6  
 Licence Number 2857  
 Name of Driller or Borer V Miron  
 Address  
 Date 29 Nov 1968  
Walter Xavanagh  
 (Signature of Licensed Drilling or Boring Contractor)

### Location of Well

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



STN 18434305  
45003270



Water management in Ontario

lev. 410311

The Ontario Water Resources Commission Act

# WATER WELL RECORD

County or District Carleton Township, Village, Town or City Richmond  
 Con. 711 Lot 23 Date completed 6 Jan 1969  
 (day month year)  
 Owner Julia Const. Ltd. Address Richmond Ont.  
 (print in block letters)

Casing and Screen Record		Pumping Test	
Inside diameter of casing	<u>5"</u>	Static level	<u>15</u>
Total length of casing	<u>18'</u>	Test-pumping rate	<u>10</u> G.P.M.
Type of screen	<u>-</u>	Pumping level	<u>20</u>
Length of screen	<u>-</u>	Duration of test pumping	<u>1 hr</u>
Depth to top of screen	<u>-</u>	Water clear or cloudy at end of test	<u>-</u>
Diameter of finished hole	<u>5"</u>	Recommended pumping rate	<u>5</u> G.P.M.
		with pump setting of	<u>30</u> feet below ground surface

Well Log	Water Record			
	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
Overburden and Bedrock Record				
<u>hardpan &amp; boulders</u>	<u>0'</u>	<u>11'</u>	<u>59'</u>	<u>fresh</u>
<u>limestone</u>	<u>11</u>	<u>60</u>		

For what purpose(s) is the water to be used?  
new house

Is well on upland, in valley, or on hillside?  
upland

Drilling or Boring Firm Capital Water Supply Ltd.

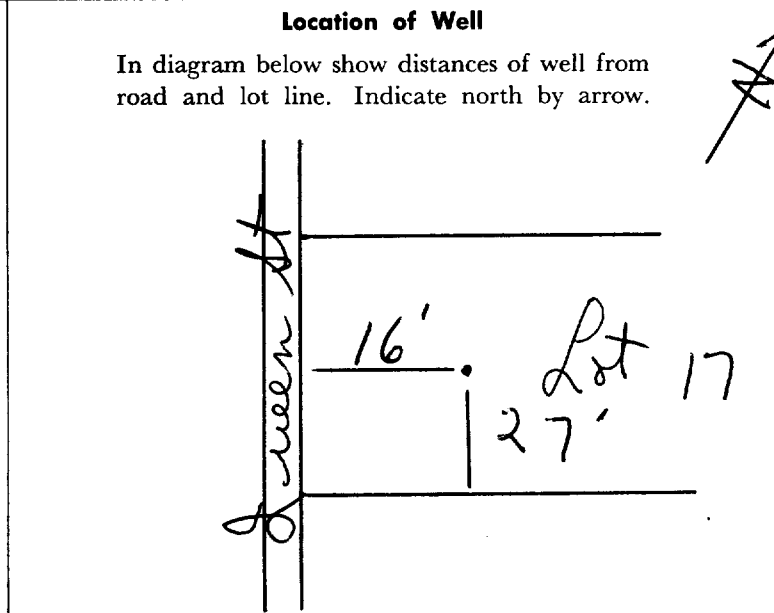
Address 14 Ashford Dr  
Ottawa 6

Licence Number 2857

Name of Driller or Borer M. Kavanagh

Address \_\_\_\_\_

Date 6 Jan 1969  
Malcolm Kavanagh  
 (Signature of Licensed Drilling or Boring Contractor)



18 434315

4 5003245

4 0311

CODFD



1509978

Water management in Ontario

The Ontario Water Resources Commission Act

# WATER WELL RECORD

County or District 25<sup>th</sup> Carleton Township, Village, Town or City Richmond  
 Con. III Lot 23 Date completed 7 Jan 1969  
 (day month year)  
 Owner Julia Constr. Ltd. Address Richmond Ont.  
 (print in block letters)

### Casing and Screen Record

SB  
 Inside diameter of casing 5"  
 Total length of casing 18'  
 Type of screen .....  
 Length of screen .....  
 Depth to top of screen .....  
 Diameter of finished hole 5"

### Pumping Test

Static level 10  
 Test-pumping rate 10 G.P.M.  
 Pumping level 15'  
 Duration of test pumping 1 hr  
 Water clear or cloudy at end of test  
 Recommended pumping rate 5 G.P.M.  
 with pump setting of 30 feet below ground surface

### Well Log

### Water Record

Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
<u>hardpan &amp; boulders</u>	<u>0'</u>	<u>10'</u>	<u>58'</u>	<u>fresh</u>
<u>limestone</u>	<u>10'</u>	<u>60'</u>		

For what purpose(s) is the water to be used?

new house

Is well on upland, in valley or on hillside?

Drilling or Boring Firm Capital Water

Supply Ltd.

Address 14 Ashford Dr  
Ottawa 6

Licence Number 2857

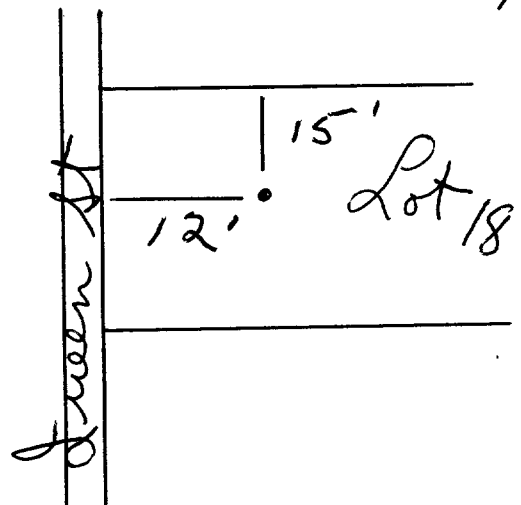
Name of Driller or Borer B Acres

Address .....  
Date 6 Jan 1969

Walter Kavanagh  
(Signature of Licensed Drilling or Boring Contractor)

### Location of Well

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





Water management in Ontario

1509979

3

9

The Ontario Water Resources Commission Act

# WATER WELL RECORD

County or District Carleton Township, Village, Town or City Richmond

Con. III Lot 23 Date completed 7 Jan 1969  
(day) (month) (year)

Owner Julia Constr Ltd. Address Richmond Ont.  
(print in block letters)

### Casing and Screen Record

### Pumping Test

Inside diameter of casing 5"  
Total length of casing 18'  
Type of screen  
Length of screen  
Depth to top of screen  
Diameter of finished hole 5"

Static level 12  
Test-pumping rate 10 G.P.M.  
Pumping level 22'  
Duration of test pumping 1 hr  
Water clear or cloudy at end of test  
Recommended pumping rate 5 G.P.M.  
with pump setting of 30 feet below ground surface

### Well Log

### Water Record

#### Overburden and Bedrock Record

hardpan & boulders  
limestone

From ft.

To ft.

Depth(s) at which water(s) found

Kind of water (fresh, salty, sulphur)

0'

10'

58

fresh

10'

60'

For what purpose(s) is the water to be used?

new house

Is well on upland, in valley or on hillside?

Drilling or Boring Firm Capital Water Supply Ltd

Address 14 Ashford Dr

Ottawa 6

Licence Number 2857

Name of Driller or Borer H mains

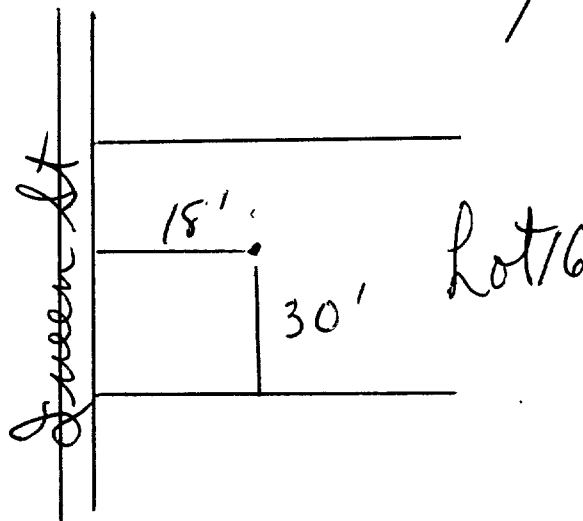
Address

Date Jan 1968

Walter Lavanagh  
(Signature of Licensed Drilling or Boring Contractor)

### Location of Well

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



STN. 15 434270  
 4 50 03 30 00  
 Elev. 4 0311  
 25



Water management in Ontario

The Ontario Water Resources Commission Act

DIVISION OF WATER RESOURCES

APR 2 1969

# WATER WELL RECORD

County or District Carl Township, Village, Town or City Richmond  
 Con. 111 Lot 23 Date completed 24 8 1969  
 (day month year)  
 Owner Julia Constr Ltd Address 14 Ashford Dr Richmond Ont  
 (print in block letters)

Casing and Screen Record		Pumping Test	
Inside diameter of casing	5"	Static level	10'
Total length of casing	18'	Test-pumping rate	10 G.P.M.
Type of screen	-	Pumping level	20'
Length of screen	-	Duration of test pumping	1 hr
Depth to top of screen	-	Water clear or cloudy at end of test	
Diameter of finished hole	5"	Recommended pumping rate	5 G.P.M.
		with pump setting of	30 feet below ground surface

Well Log	Water Record			
	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
Overburden and Bedrock Record				
<u>hardpan + boulders</u>	0'	9'	58'	<u>fresh</u>
<u>limestone</u>	9	60'		

For what purpose(s) is the water to be used?  
new house

Is well on upland, in valley, or on hillside?

Drilling or Boring Firm Capital Water Supply Ltd.

Address 14 Ashford Dr Ottawa 6

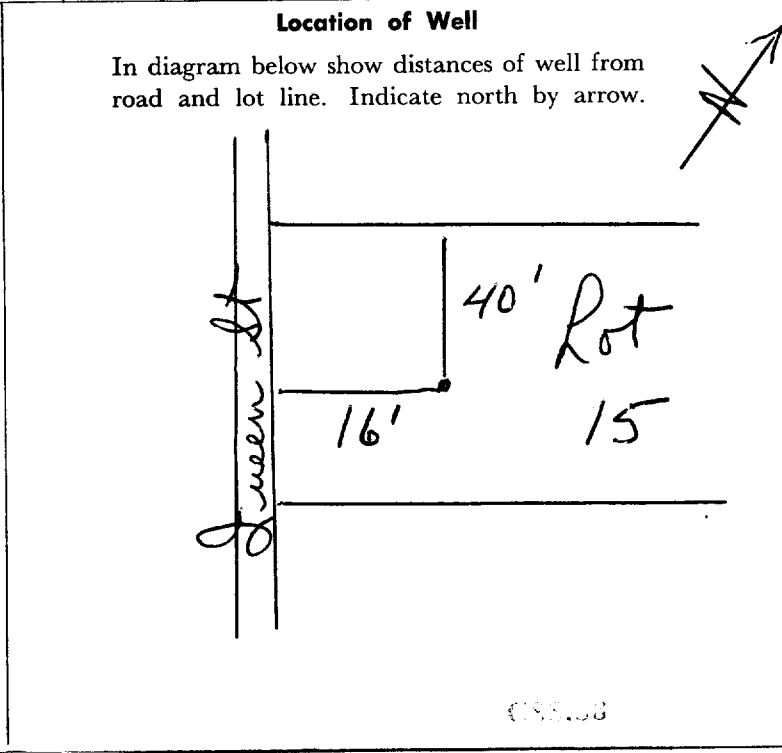
Licence Number 2557

Name of Driller or Borer M Kavanagh

Address \_\_\_\_\_

Date Jan 8 1969

Walter Kavanagh  
 (Signature of Licensed Drilling or Boring Contractor)





1509982

Water management in Ontario

DIVISION OF WATER RESOURCES

APR 2 1969

The Ontario Water Resources Commission Act

# WATER WELL RECORD

18 4343 STO  
4 5003210  
4 0311

257  
County or District Carleton Township, Village, Town or City Richmond  
Con. 11 Lot 23 Date completed 11 Jan 1969  
(day (month year)  
Owner Julia Constr Ltd. Address Richmond Ont.  
(print in block letters)

Casing and Screen Record	Pumping Test
Inside diameter of casing <u>5"</u>	Static level <u>8</u>
Total length of casing <u>18'</u>	Test-pumping rate <u>10</u> G.P.M.
Type of screen	Pumping level <u>20</u>
Length of screen	Duration of test pumping <u>1 hr</u>
Depth to top of screen	Water clear or cloudy at end of test
Diameter of finished hole <u>5"</u>	Recommended pumping rate <u>5</u> G.P.M.
	with pump setting of <u>30</u> feet below ground surface

Well Log	Water Record			
	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
Overburden and Bedrock Record				
<u>hardpan &amp; boulders</u>	<u>0'</u>	<u>9'</u>	<u>57'</u>	<u>fresh</u>
<u>limestone</u>	<u>9</u>	<u>58'</u>		

For what purpose(s) is the water to be used?  
new house

Is well on upland, in valley, or on hillside?

Drilling or Boring Firm Capital Water Supply Ltd.

Address 14 Ashford Dr  
Ottawa 6

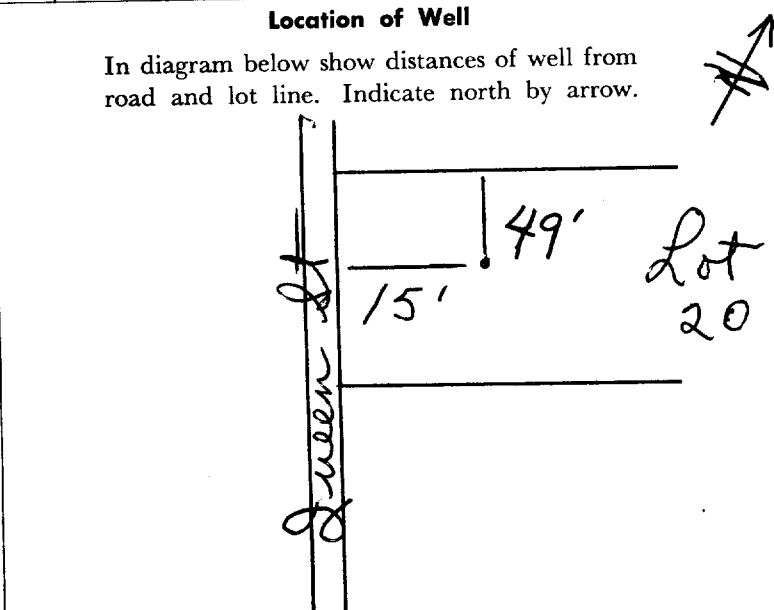
Licence Number 2857

Name of Driller or Borer Barry Acres

Address

Date 11 Jan 1969

Halter Kavanaugh  
(Signature of Licensed Drilling or Boring Contractor)



18 434 240  
 4 500 3330 CODED  
 4 0310



1509983

The Ontario Water Resources Commission Act

APR 2 1969

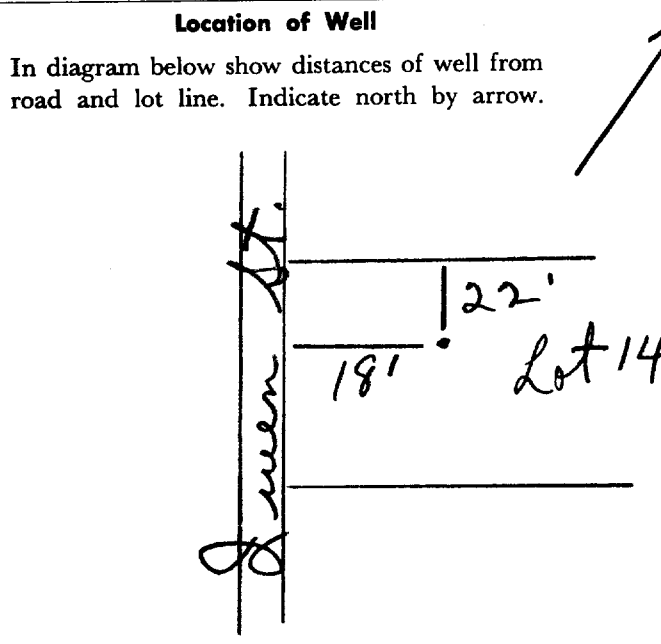
# WATER WELL RECORD

County or District Carleton Township, Village, Town or City Richmond  
 Con. III Lot 23 Date completed 16 Jan 1969  
 (day month year)  
 Owner Julia Constr Ltd. Address Richmond Ont.  
 (print in block letters)

Casing and Screen Record	Pumping Test
Inside diameter of casing <u>5"</u>	Static level <u>5'</u>
Total length of casing <u>18'</u>	Test-pumping rate <u>10</u> G.P.M.
Type of screen	Pumping level <u>9'</u>
Length of screen	Duration of test pumping <u>1 hr</u>
Depth to top of screen	Water clear or cloudy at end of test
Diameter of finished hole <u>5"</u>	Recommended pumping rate <u>5</u> G.P.M.
	with pump setting of <u>30</u> feet below ground surface

Well Log	Water Record			
	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
Overburden and Bedrock Record				
<u>hardpan + boulders</u>	<u>0'</u>	<u>10'</u>	<u>60</u>	<u>fresh</u>
<u>limestone</u>	<u>10'</u>	<u>61'</u>		

For what purpose(s) is the water to be used?  
new house  
 Is well on upland, in valley, or on hillside?  
 Drilling or Boring Firm Capital Water Supply Ltd.  
 Address 14 Ashford Dr  
Ottawa 6  
 Licence Number 3216  
 Name of Driller or Borer H Mains  
 Address  
 Date Jan 16 1969  
Maister Kavanagh  
 (Signature of Licensed Drilling or Boring Contractor)





1509984

CODED

18 434320  
4 57003430  
4 0308

The Ontario Water Resources Commission Act

APR 2 1969

# WATER WELL RECORD

County or District 25<sup>th</sup> Carleton Township, Village, Town or City Richmond  
 Date completed 14 Jan 1969  
 (day) (month) (year)  
 Address 3716 Richmond Rd.

**Casing and Screen Record**

Inside diameter of casing 5"  
 Total length of casing 20'  
 Type of screen .....  
 Length of screen .....  
 Depth to top of screen .....  
 Diameter of finished hole 5"

**Pumping Test**

Static level 8'  
 Test-pumping rate 10 G.P.M.  
 Pumping level 25  
 Duration of test pumping 1 hr  
 Water clear or cloudy at end of test .....  
 Recommended pumping rate 5 G.P.M.  
 with pump setting of 40 feet below ground surface

Well Log	Water Record			
	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
Overburden and Bedrock Record				
<u>hardpan &amp; boulders</u>	<u>0'</u>	<u>16'</u>	<u>58'</u>	<u>fresh</u>
<u>limestone</u>	<u>16'</u>	<u>60'</u>		

For what purpose(s) is the water to be used?  
new house

Is well on upland, in valley, or on hillside?

Drilling or Boring Firm Capital Water Supply Ltd.

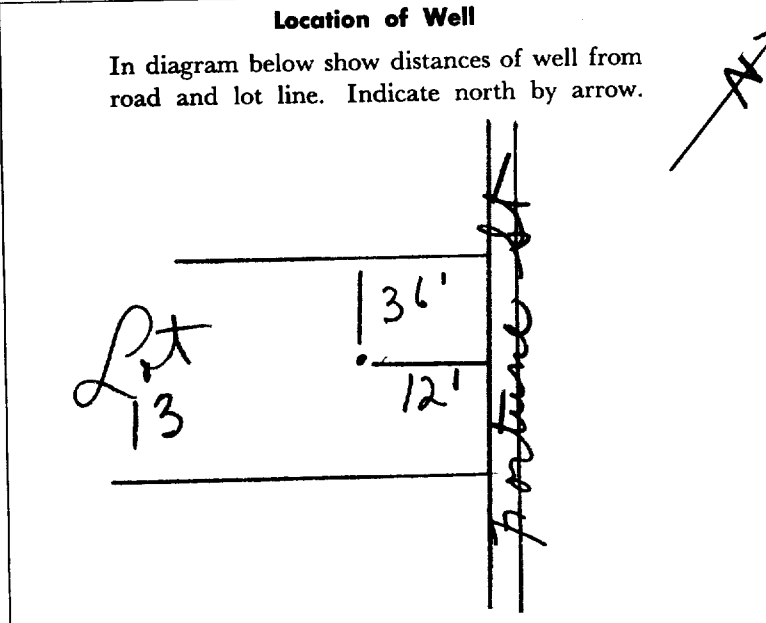
Address 14 Ashford Dr  
Ottawa 6

Licence Number 3216

Name of Driller or Borer H Mains

Address .....

Date Jan 14 1969  
Thaxter Kavanagh  
 (Signature of Licensed Drilling or Boring Contractor)





18 434430

4 5003305

4 0309

25

CODED



1509985

The Ontario Water Resources Commission Act

# WATER WELL RECORD

County or District

Carleton

Township, Village, Town or City

Richmond

Con.

111

Lot

23

Date completed

14

(day)

month

Jan

1969

year

Owner

Julia Constr Ltd  
(print in block letters)

Address

Richmond Ont.

## Casing and Screen Record

Inside diameter of casing 5'

Total length of casing 27'

Type of screen

Length of screen

Depth to top of screen

Diameter of finished hole 5"

## Pumping Test

Static level 15'

Test-pumping rate 10' G.P.M.

Pumping level 20'

Duration of test pumping 1 hr

Water clear or cloudy at end of test

Recommended pumping rate 5' G.P.M.

with pump setting of 30 feet below ground surface

## Well Log

### Overburden and Bedrock Record

hardpan & boulders

limestone

## Water Record

From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
0'	23'	61'	fresh
23'	62'		

For what purpose(s) is the water to be used?

new house

Is well on upland, in valley or on hillside?

Drilling or Boring Firm

Capital Water Supply Ltd

Address

14 Ashford Dr  
Ottawa 6

Licence Number

3216

Name of Driller or Borer

M Kavanagh

Address

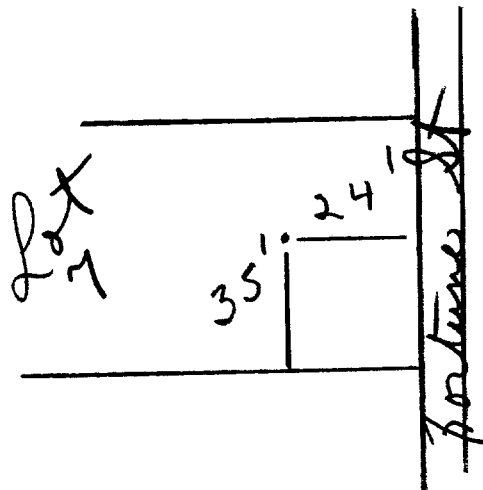
Date

Jan 14 1969

Therese Kavanagh  
(Signature of Licensed Drilling or Boring Contractor)

## Location of Well

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





316/4F

1510076-1

18 4342310  
47 501013380  
5R 01305  
25

The Ontario Water Resources Commission Act

# WATER WELL RECORD

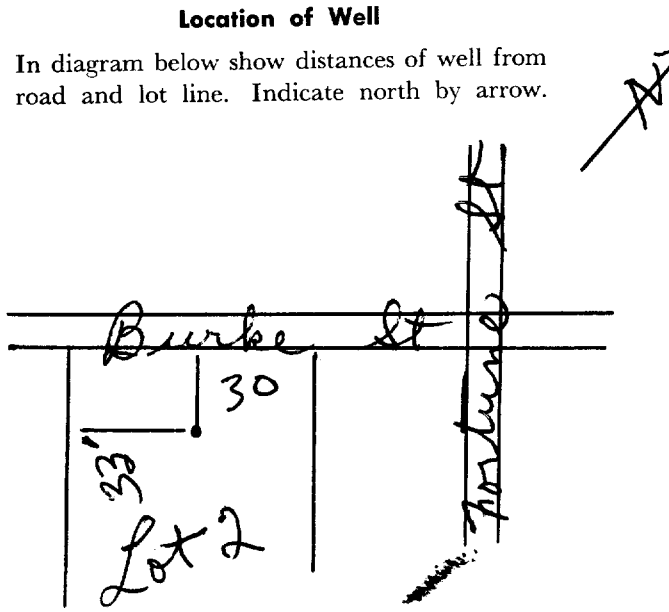
County or District Carl Township, Village, Town or City Richmond  
Con. TL Lot 23 Date completed 16 May 1969  
(day month year)  
Melrose Ave  
Ottawa

**Casing and Screen Record**  
SB  
Inside diameter of casing 5"  
Total length of casing 22'  
Type of screen  
Length of screen  
Depth to top of screen  
Diameter of finished hole 4 7/8

**Pumping Test**  
20'  
Test-pumping rate 10 G.P.M.  
Pumping level 38'  
Duration of test pumping 1 hr  
Water clear or cloudy at end of test  
Recommended pumping rate 5 G.P.M.  
with pump setting of 40 feet below ground surface

Well Log	Water Record			
	Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found
<u>sand</u>	<u>0'</u>	<u>7'</u>	<u>53</u>	<u>fresh</u>
<u>clay</u>	<u>7'</u>	<u>12'</u>		
<u>hardpan &amp; boulders</u>	<u>12'</u>	<u>18'</u>		
<u>limestone</u>	<u>18'</u>	<u>54</u>		

For what purpose(s) is the water to be used? new house  
Is well on upland, in valley or on hillside?  
Drilling or Boring Firm Capital Water Supply Ltd  
Address 14 Ashford Dr  
Ottawa 6  
Licence Number 3216  
Name of Driller or Borer B Acres  
Address  
Date 16 May 1969  
Shatter Kavanagh  
(Signature of Licensed Drilling or Boring Contractor)





# WATER WELL RECORD

Water management in Ontario

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

11

1510268

MUNICIP. 15701

CON.

COUNTY OR DISTRICT: Carl TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: Richmond CON., BLOCK, TRACT, SURVEY, ETC.: \_\_\_\_\_ LOT: 25-27

OWNER (SURNAME FIRST): Carl ADDRESS: Richmond Ont. DATE COMPLETED: DAY 14 MO 07 YR 69

OWNER (SURNAME FIRST): Julia Constr Ltd ADDRESS: Richmond Ont. DATE COMPLETED: DAY 14 MO 07 YR 69

ZONE: 18 EASTING: 434475 NORTHING: 5003200 RC: 4 ELEVATION: 9308 RC: 5 BASIN CODE: 25

### LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
grey	sand	clay	firm	0'	12'
grey	hardpan	boulders	hard	12'	22'
blue	limestone		hard	22'	60'

31 001220905 0020221413 0060315

32 \_\_\_\_\_

#### 41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
10-13 <u>0058</u>	1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
15-18	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
20-23	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
25-28	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
30-33	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL

#### 51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
<u>5 1/8"</u>	1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input checked="" type="checkbox"/> OPEN HOLE	<u>188</u>	<u>0</u>	<u>002'6"</u>
<u>05"</u>	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input checked="" type="checkbox"/> OPEN HOLE		<u>26</u>	<u>60</u>
<u>05"</u>	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input checked="" type="checkbox"/> OPEN HOLE			<u>0060</u>
	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE			

#### SCREEN

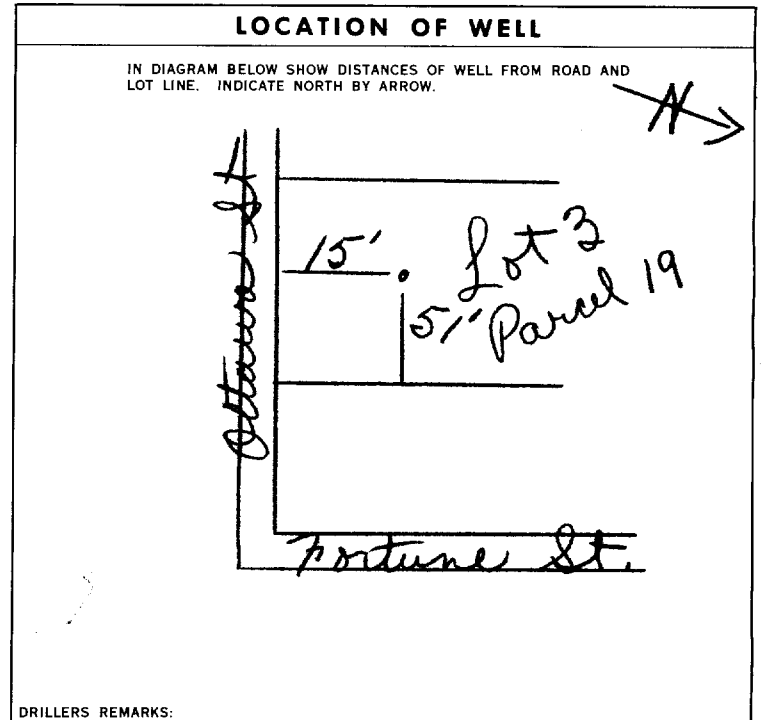
SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
MATERIAL AND TYPE		DEPTH TO TOP OF SCREEN

#### 61 PLUGGING & SEALING RECORD

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

#### 71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 <input type="checkbox"/> PUMP 2 <input checked="" type="checkbox"/> BAILER	<u>0010</u> GPM.	<u>01</u> HOURS <u>00</u> MINS.
STATIC LEVEL: <u>005</u> FEET	WATER LEVEL END OF PUMPING: <u>010</u> FEET	WATER LEVELS DURING:
		1 <input type="checkbox"/> PUMPING 2 <input type="checkbox"/> RECOVERY
		15 MINUTES: _____ FEET
		30 MINUTES: _____ FEET
		45 MINUTES: _____ FEET
		60 MINUTES: _____ FEET
IF FLOWING, GIVE RATE: _____ GPM.	PUMP INTAKE SET AT: _____ FEET	WATER AT END OF TEST: _____ FEET
RECOMMENDED PUMP TYPE: 1 <input checked="" type="checkbox"/> SHALLOW 2 <input type="checkbox"/> DEEP	RECOMMENDED PUMP SETTING: <u>020</u> FEET	RECOMMENDED PUMPING RATE: <u>0005</u> GPM.
50-53 <u>002.0</u> GPM./FT. SPECIFIC CAPACITY		



#### FINAL STATUS OF WELL

1 <input checked="" type="checkbox"/> WATER SUPPLY	5 <input type="checkbox"/> ABANDONED, INSUFFICIENT SUPPLY
2 <input type="checkbox"/> OBSERVATION WELL	6 <input type="checkbox"/> ABANDONED, POOR QUALITY
3 <input type="checkbox"/> TEST HOLE	7 <input type="checkbox"/> UNFINISHED
4 <input type="checkbox"/> RECHARGE WELL	

#### WATER USE

1 <input checked="" type="checkbox"/> DOMESTIC	5 <input type="checkbox"/> COMMERCIAL
2 <input type="checkbox"/> STOCK	6 <input type="checkbox"/> MUNICIPAL
3 <input type="checkbox"/> IRRIGATION	7 <input type="checkbox"/> PUBLIC SUPPLY
4 <input type="checkbox"/> INDUSTRIAL	8 <input type="checkbox"/> COOLING OR AIR CONDITIONING
9 <input type="checkbox"/> OTHER	9 <input type="checkbox"/> NOT USED

#### METHOD OF DRILLING

1 <input checked="" type="checkbox"/> CABLE TOOL	6 <input type="checkbox"/> BORING
2 <input type="checkbox"/> ROTARY (CONVENTIONAL)	7 <input type="checkbox"/> DIAMOND
3 <input type="checkbox"/> ROTARY (REVERSE)	8 <input type="checkbox"/> JETTING
4 <input type="checkbox"/> ROTARY (AIR)	9 <input type="checkbox"/> DRIVING
5 <input type="checkbox"/> AIR PERCUSSION	

#### CONTRACTOR

NAME OF WELL CONTRACTOR: <u>Capital Water Supply</u>	LICENCE NUMBER: <u>3216</u>
ADDRESS: <u>14 Ashford Dr Ottawa</u>	
NAME OF DRILLER OR BORER: <u>J Scott</u>	LICENCE NUMBER: _____
SIGNATURE OF CONTRACTOR: <u>Walter Lavanagh</u>	SUBMISSION DATE: _____

#### OFFICE USE ONLY

DATA SOURCE: <u>1</u>	CONTRACTOR: <u>1503</u>	DATE RECEIVED: <u>301069</u>
DATE OF INSPECTION: _____	INSPECTOR: <u>Phillips PIP</u>	
REMARKS: _____		



# WATER WELL RECORD

Water management in Ontario 1. PRINT ONLY IN SPACES PROVIDED

2. CHECK  CORRECT BOX WHERE APPLICABLE

11

1510285

MUNICIP 15701

CON.

COUNTY OR DISTRICT **Carl** TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE **Richmond** CON., BLOCK, TRACT, SURVEY, ETC. LOT 25-27

OWNER (SURNAME FIRST) 28-47 **Julia Const Ltd** ADDRESS **Richmond Ont.** DATE COMPLETED 48-53 DAY **21** MO **07** YR **69**

ZONE EASTING NORTHING RC. ELEVATION RC. BASIN CODE  
 U T M 1 2 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80

### LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
brown	clay	sand	gritty	0'	10'
grey	hardpan		hard	10'	17'
grey	limestone		hard	17'	61'

31 001000509 0017214 0061215

32

**41 WATER RECORD**

WATER FOUND AT - FEET	KIND OF WATER
060	1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
15-18	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
20-23	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
25-28	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
30-33	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL

**51 CASING & OPEN HOLE RECORD**

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET
05	1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input checked="" type="checkbox"/> OPEN HOLE	188	0' 00" TO 20' 61"
5"	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input checked="" type="checkbox"/> OPEN HOLE		20' 61" TO 0061
17-18	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input checked="" type="checkbox"/> OPEN HOLE		
24-25	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input checked="" type="checkbox"/> OPEN HOLE		

**61 PLUGGING & SEALING RECORD**

DEPTH SET AT - FEET	MATERIAL AND TYPE
10-13	14-17
18-21	22-25
26-29	30-33

**71 PUMPING TEST**

PUMPING TEST METHOD:  PUMP 2  BAILER

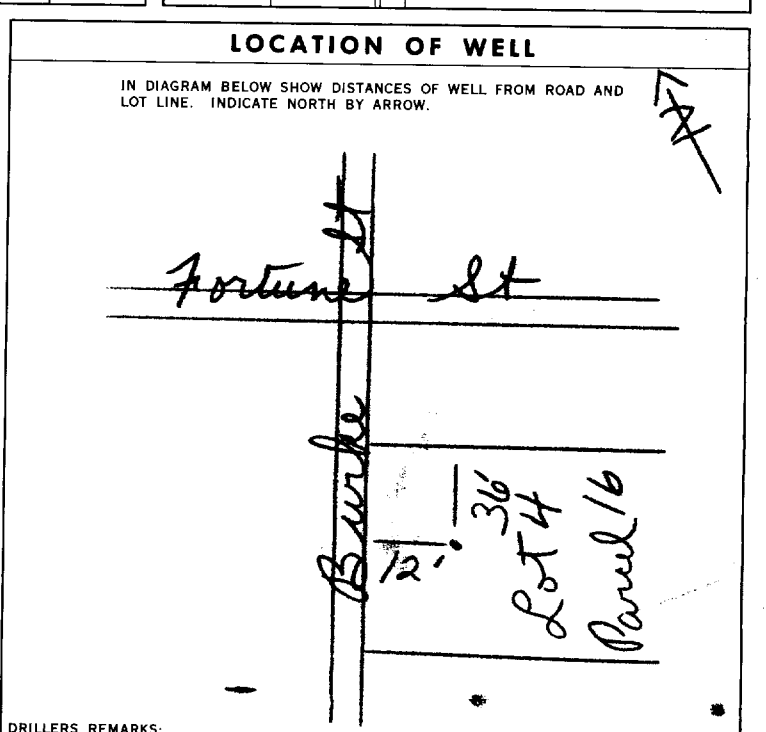
PUMPING RATE: 0010 GPM. DURATION OF PUMPING: 01 HOURS 00 MINS.

STATIC LEVEL: 010 FEET. WATER LEVEL END OF PUMPING: 023 FEET.

WATER LEVELS DURING: 15 MINUTES: 023 FEET, 30 MINUTES: FEET, 45 MINUTES: FEET, 60 MINUTES: FEET.

IF FLOWING, GIVE RATE: 000.8 GPM./FT. SPECIFIC CAPACITY.

RECOMMENDED PUMP TYPE:  SHALLOW  DEEP. RECOMMENDED PUMP SETTING: 030 FEET. RECOMMENDED PUMPING RATE: 0005 GPM.



**FINAL STATUS OF WELL**

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

**WATER USE** 01

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

**METHOD OF DRILLING** 57

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

**CONTRACTOR**

NAME OF WELL CONTRACTOR: **Capital Water Supply** LICENCE NUMBER: **3216**

ADDRESS: **14 Ashford Dr Ottawa**

NAME OF DRILLER OR BAILER: **J Scott** LICENCE NUMBER:

SIGNATURE OF CONTRACTOR: **Walter Kavanagh** SUBMISSION DATE: DAY \_\_\_\_\_ MO \_\_\_\_\_ YR \_\_\_\_\_

**OFFICE USE ONLY**

DATA SOURCE: **1** CONTRACTOR: **1503** DATE RECEIVED: **301069**

DATE OF INSPECTION: \_\_\_\_\_ INSPECTOR: **Phillip PIP**

REMARKS:



# WATER WELL RECORD

Water management in Ontario

1. PRINT ONLY IN SPACES PROVIDED

2. CHECK  CORRECT BOX WHERE APPLICABLE

11  
1 2

1510290

MUNICIP. 15701  
10 14

CON. 15 22 23 24

COUNTY OR DISTRICT Carleton Place TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE Richmond CON., BLOCK, TRACT, SURVEY, ETC. \_\_\_\_\_ LOT 25-27 \_\_\_\_\_

OWNER (SURNAME FIRST) Julia Constra Ltd ADDRESS Richmond Ont. DATE COMPLETED 48-53  
DAY 17 MO. 07 YR. 69

21  
1 2

ZONE EASTING NORTHING RC. ELEVATION RC. BASIN CODE  
10 18 12 434480 17 5293230 24 4 26 0308 30 5 31 25

### LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
<u>brown</u>	<u>hardpan</u>	<u>small stones</u>	<u>hard</u>	<u>0</u>	<u>18</u>
<u>blue</u>	<u>limestone</u>			<u>18</u>	<u>81</u>

31 001861412 0081315

32

41 **WATER RECORD**

WATER FOUND AT - FEET	KIND OF WATER
<u>0080</u> 10-13	1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
15-18	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
20-23	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
25-28	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
30-33	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL

51 **CASING & OPEN HOLE RECORD**

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
<u>05</u>	1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input checked="" type="checkbox"/> OPEN HOLE	<u>188</u>	<u>0</u>	<u>0022</u>
<u>5</u>	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input checked="" type="checkbox"/> OPEN HOLE		<u>22</u>	<u>81</u>
<u>05</u>	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE			<u>0081</u>
	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE			

SCREEN

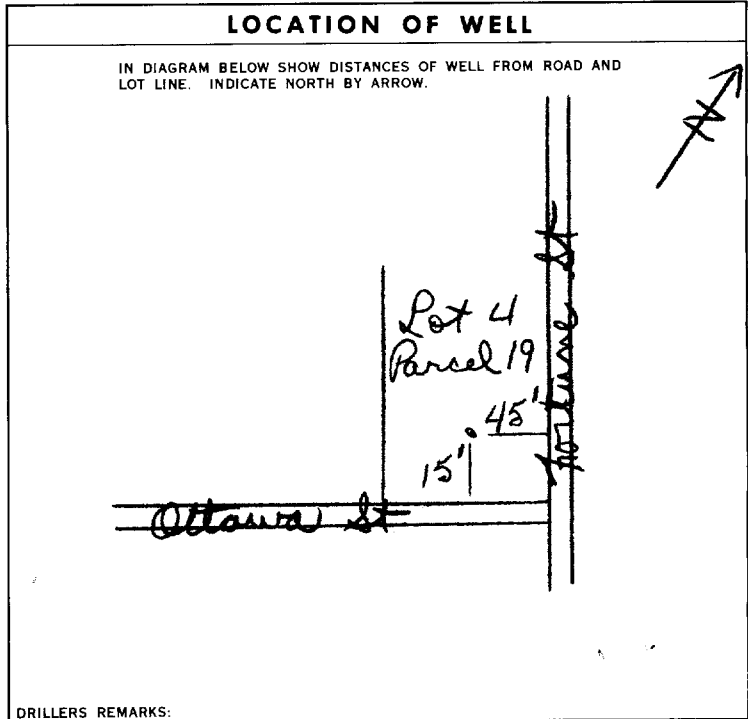
SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
	INCHES	FEET
MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN	
	41-44 80 FEET	

61 **PLUGGING & SEALING RECORD**

DEPTH SET AT - FEET		MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
FROM	TO	
10-13	14-17	
18-21	22-25	
28-29	30-33	

71 **PUMPING TEST**

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 <input type="checkbox"/> PUMP 2 <input checked="" type="checkbox"/> BAILER	<u>0007</u> GPM	<u>01</u> HOURS <u>00</u> MINS.
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING
19-21	22-24	15 MINUTES 26-28 30 MINUTES 29-31 45 MINUTES 32-34 60 MINUTES 35-37
FEET <u>003</u>	FEET <u>050</u>	FEET FEET FEET FEET
IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
	GPM	FEET 1 <input type="checkbox"/> CLEAR 2 <input checked="" type="checkbox"/> CLOUDY
RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
<input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/> DEEP	<u>060</u> FEET	<u>0005</u> GPM
50-53 --- <u>002-1</u> GPM./FT. SPECIFIC CAPACITY		



54 **FINAL STATUS OF WELL**

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

55-56 **WATER USE** 01

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

57 **METHOD OF DRILLING**

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

CONTRACTOR

NAME OF WELL CONTRACTOR Capital Water Supply LICENCE NUMBER 3216  
ADDRESS 14 Ashford Dr Ottawa

NAME OF DRILLER OR BORER J. Scott LICENCE NUMBER \_\_\_\_\_  
SIGNATURE OF CONTRACTOR Walter Kavanagh SUBMISSION DATE \_\_\_\_\_

OFFICE USE ONLY

58 CONTRACTOR 1503 59-62 DATE RECEIVED 30 10 69 63-68 80

DATA SOURCE 1

DATE OF INSPECTION \_\_\_\_\_ INSPECTOR Phillip J. P.

REMARKS:



# WATER WELL RECORD

3164f

Water management in Ontario

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

1510630-  
MUNICIP. 15,701  
CON. \_\_\_\_\_  
11  
1 2 3 9 10 14 15 22 23 24  
COUNTY OR DISTRICT Carleton TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE Richmond CON., BLOCK, TRACT, SURVEY, ETC. Pt. 3 LOT 13  
DATE COMPLETED DAY 24 MO. Mar YR. 70  
ING 03565 RC 4 ELEVATION 0308 RC 4 BASIN CODE 25

### LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
brown	clay	stones		0	17
grey	limestone		hard	17	70

31 001760512 0021315  
32 \_\_\_\_\_

**41 WATER RECORD**

WATER FOUND AT - FEET	KIND OF WATER			
0070	<input checked="" type="checkbox"/> FRESH	<input type="checkbox"/> SALTY	<input type="checkbox"/> SULPHUR	<input type="checkbox"/> MINERAL
15-18	<input type="checkbox"/> FRESH	<input type="checkbox"/> SALTY	<input type="checkbox"/> SULPHUR	<input type="checkbox"/> MINERAL
20-23	<input type="checkbox"/> FRESH	<input type="checkbox"/> SALTY	<input type="checkbox"/> SULPHUR	<input type="checkbox"/> MINERAL
25-28	<input type="checkbox"/> FRESH	<input type="checkbox"/> SALTY	<input type="checkbox"/> SULPHUR	<input type="checkbox"/> MINERAL
30-33	<input type="checkbox"/> FRESH	<input type="checkbox"/> SALTY	<input type="checkbox"/> SULPHUR	<input type="checkbox"/> MINERAL

**51 CASING & OPEN HOLE RECORD**

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
05	<input checked="" type="checkbox"/> STEEL <input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input type="checkbox"/> OPEN HOLE	1.88	0	20
17-18	<input type="checkbox"/> STEEL <input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input checked="" type="checkbox"/> OPEN HOLE			20-23
24-25	<input type="checkbox"/> STEEL <input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input type="checkbox"/> OPEN HOLE			27-30

**SCREEN**

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

MATERIAL AND TYPE \_\_\_\_\_ DEPTH TO TOP OF SCREEN \_\_\_\_\_ FEET

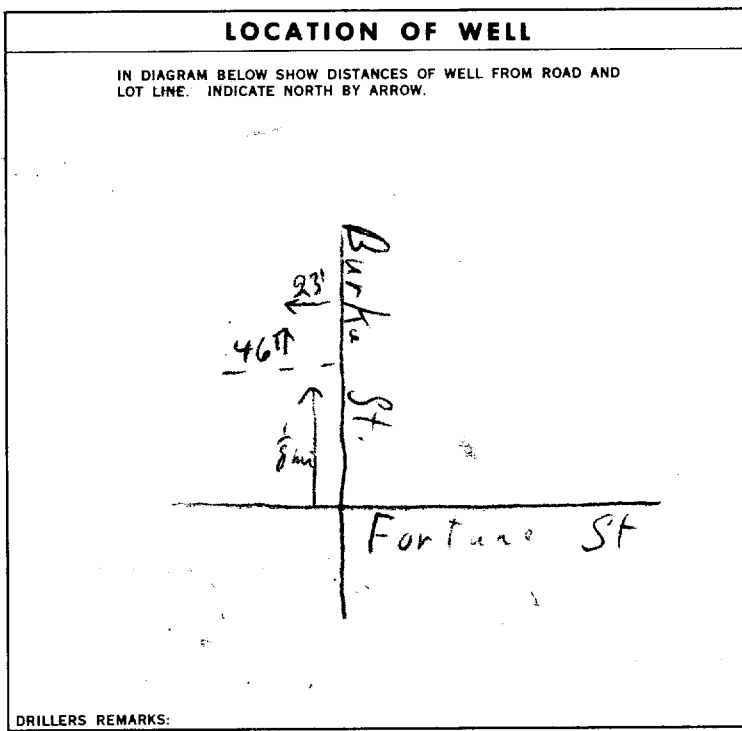
**61 PLUGGING & SEALING RECORD**

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

**71 PUMPING TEST**

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
<input type="checkbox"/> PUMP <input checked="" type="checkbox"/> BAILER	0007 GPM	01 HOURS 00 MINS.
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING
004 FEET	035 FEET	15 MINUTES: 030 FEET 30 MINUTES: 035 FEET 45 MINUTES: 035 FEET 60 MINUTES: 035 FEET
IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
	040 GPM	<input type="checkbox"/> CLEAR <input checked="" type="checkbox"/> CLOUDY
RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
<input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/> DEEP	040 FEET	0005 GPM

50-53 000.2 GPM./FT. SPECIFIC CAPACITY



**FINAL STATUS OF WELL**

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

**WATER USE** 01

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

**METHOD OF DRILLING**

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

**CONTRACTOR**

NAME OF WELL CONTRACTOR Henry Mours Well Drilling LICENCE NUMBER 3644  
ADDRESS Box 326, Richmond Ont.  
NAME OF DRILLER OR BORER Henry Mours LICENCE NUMBER \_\_\_\_\_  
SIGNATURE OF CONTRACTOR Henry Mours SUBMISSION DATE 28 MO. Mar YR. 70

**OFFICE USE ONLY**

DATA SOURCE 1 CONTRACTOR 3644 DATE RECEIVED 030770  
DATE OF INSPECTION \_\_\_\_\_ INSPECTOR Km  
REMARKS \_\_\_\_\_



The Ontario Water Resources Commission Act  
**WATER WELL RECORD**

316/4A

Water management in Ontario 1. PRINT ONLY IN SPACES PROVIDED  
 2. CHECK  CORRECT BOX WHERE APPLICABLE

MUNICIPALITY: 15701  
 COUNTY OR DISTRICT: Carleton Place  
 TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: Richmond Hill  
 BLOCK, TRACT, SURVEY, ETC.: 1510852  
 DATE COMPLETED: 03 08 70  
 ADDRESS: 14A Burke St  
 NG: 03380 RC: 4 ELEVATION: 0315 RC: 5 BASIN CODE: 25

**LOG OF OVERBURDEN AND BEDROCK MATERIALS** (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
Brown	Clay	Boulders	Packed	0'	15'
Grey	Lime Stone		Hard	15'	69'

31 001500513 0069215

**41 WATER RECORD**

WATER FOUND AT - FEET	KIND OF WATER			
10-13	<input checked="" type="checkbox"/> FRESH	<input type="checkbox"/> SALTY	<input type="checkbox"/> SULPHUR	<input type="checkbox"/> MINERAL
15-18	<input type="checkbox"/> FRESH	<input type="checkbox"/> SALTY	<input type="checkbox"/> SULPHUR	<input type="checkbox"/> MINERAL
20-23	<input type="checkbox"/> FRESH	<input type="checkbox"/> SALTY	<input type="checkbox"/> SULPHUR	<input type="checkbox"/> MINERAL
25-28	<input type="checkbox"/> FRESH	<input type="checkbox"/> SALTY	<input type="checkbox"/> SULPHUR	<input type="checkbox"/> MINERAL
30-33	<input type="checkbox"/> FRESH	<input type="checkbox"/> SALTY	<input type="checkbox"/> SULPHUR	<input type="checkbox"/> MINERAL

**51 CASING & OPEN HOLE RECORD**

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
5.10	<input checked="" type="checkbox"/> STEEL	1.88	0'	20.2
8.05	<input checked="" type="checkbox"/> OPEN HOLE		21'	69'

**SCREEN**

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

**61 PLUGGING & SEALING RECORD**

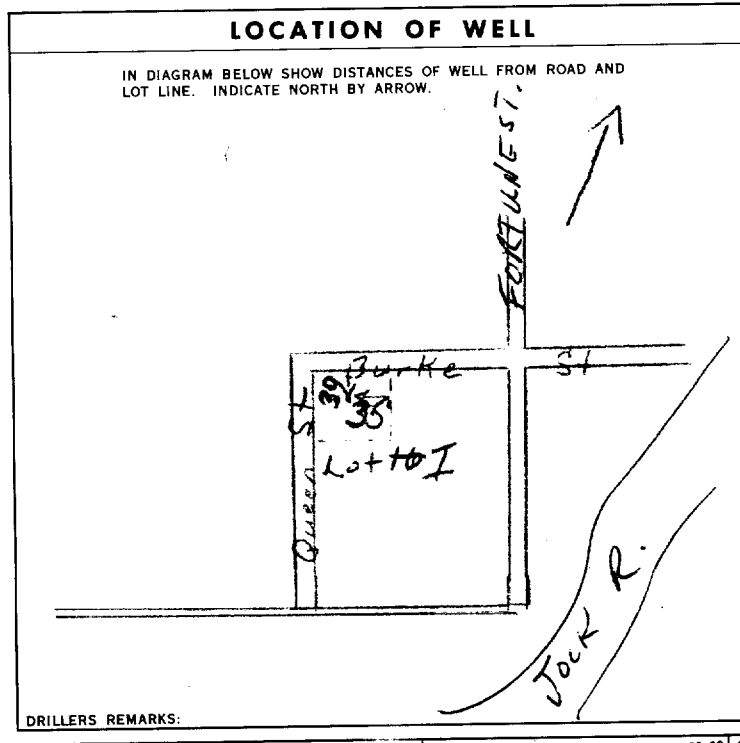
DEPTH SET AT - FEET		MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
FROM	TO	
10-13	14-17	
18-21	22-25	
26-29	30-33	

**71 PUMPING TEST**

PUMPING TEST METHOD	PUMPING RATE GPM.	DURATION OF PUMPING HOURS
<input checked="" type="checkbox"/> PUMP <input checked="" type="checkbox"/> BAILER	0012	01 00

STATIC LEVEL FEET	WATER LEVEL END OF PUMPING FEET	WATER LEVELS DURING PUMPING FEET			
011'	035'	015'	023'	029'	035'

RECOMMENDED PUMP TYPE:  SHALLOW  DEEP  
 RECOMMENDED PUMP SETTING: 055 FEET  
 RECOMMENDED PUMPING RATE: 0005 GPM.



**FINAL STATUS OF WELL**

WATER SUPPLY  
 OBSERVATION WELL  
 TEST HOLE  
 RECHARGE WELL

**WATER USE**

DOMESTIC  
 STOCK  
 IRRIGATION  
 INDUSTRIAL  
 OTHER

**METHOD OF DRILLING**

CABLE TOOL  
 ROTARY (CONVENTIONAL)  
 ROTARY (REVERSE)  
 ROTARY (AIR)  
 AIR PERCUSSION

**CONTRACTOR**

NAME OF WELL CONTRACTOR: Capital Water Supply  
 ADDRESS: 14 Ashford Dr Ottawa  
 NAME OF DRILLER OR BORER: Michael Kavanagh  
 SIGNATURE OF CONTRACTOR: \_\_\_\_\_

**OFFICE USE ONLY**

DATE RECEIVED: 1558  
 DATE OF INSPECTION: \_\_\_\_\_  
 REMARKS: \_\_\_\_\_



# WATER WELL RECORD

Water management in Ontario

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

11

1510863

MUNICIP. 15701

CON.

COUNTY OR DISTRICT: Carl TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: Richmond CON., BLOCK, TRACT, SURVEY, ETC.: \_\_\_\_\_ LOT: 25-27

OWNER (SURNAME FIRST): Star Quality Homes ADDRESS: Stittsville Ont DATE COMPLETED: DAY 13 MO 08 YR 70

UTM ZONE: 18 EASTING: 34375 NORTHING: 5093850 RC: 4 ELEVATION: 0.305 RC: 14 BASIN CODE: 251

### LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
<u>brown</u>	<u>clay</u>		<u>packed</u>	<u>0</u>	<u>13</u>
<u>blue</u>	<u>limestone</u>		<u>hard</u>	<u>13</u>	<u>34</u>

31 9913005

32 \_\_\_\_\_

### 41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
10-13	<input checked="" type="checkbox"/> FRESH <input type="checkbox"/> SALTY <input type="checkbox"/> SULPHUR <input type="checkbox"/> MINERAL
15-18	<input type="checkbox"/> FRESH <input type="checkbox"/> SALTY <input type="checkbox"/> SULPHUR <input type="checkbox"/> MINERAL
20-23	<input type="checkbox"/> FRESH <input type="checkbox"/> SALTY <input type="checkbox"/> SULPHUR <input type="checkbox"/> MINERAL
25-28	<input type="checkbox"/> FRESH <input type="checkbox"/> SALTY <input type="checkbox"/> SULPHUR <input type="checkbox"/> MINERAL
30-33	<input type="checkbox"/> FRESH <input type="checkbox"/> SALTY <input type="checkbox"/> SULPHUR <input type="checkbox"/> MINERAL

### 51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
<u>06</u>	<input checked="" type="checkbox"/> STEEL <input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input type="checkbox"/> OPEN HOLE	<u>188</u>	<u>0</u>	<u>15</u>
			<u>15</u>	<u>34</u>
				<u>0034</u>

### SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH

MATERIAL AND TYPE \_\_\_\_\_ DEPTH TO TOP OF SCREEN \_\_\_\_\_ FEET

### 61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
10-13	
18-21	
26-29	

### 71 PUMPING TEST

PUMPING TEST METHOD:  PUMP  BAILER

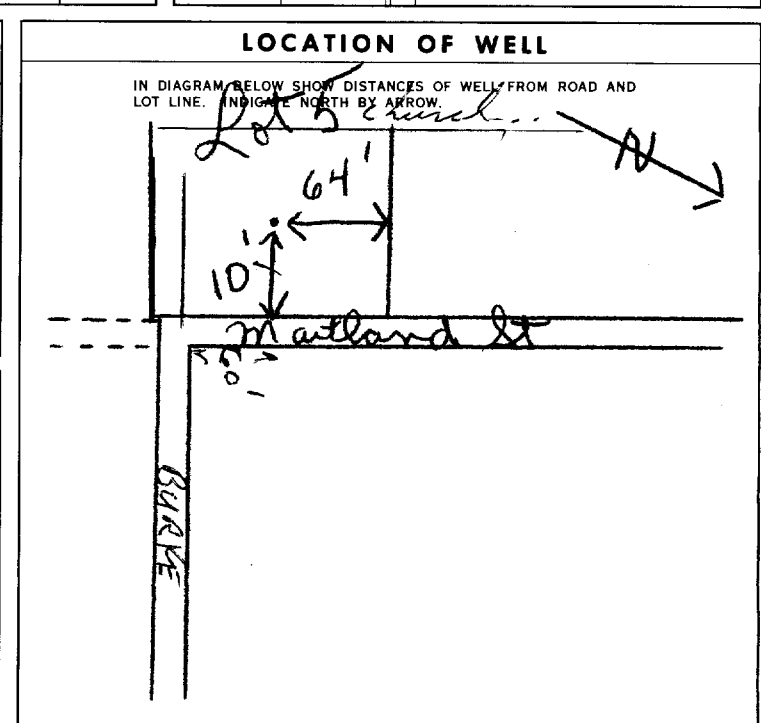
PUMPING RATE: 0060 GPM. DURATION OF PUMPING: 01 HOURS 00 MINS.

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING	1 PUMPING
<u>002</u> FEET	<u>008</u> FEET	15 MINUTES: <u>008</u> FEET	<input checked="" type="checkbox"/> PUMPING
		30 MINUTES: <u>008</u> FEET	<input type="checkbox"/> RECOVERY
		45 MINUTES: <u>008</u> FEET	
		60 MINUTES: <u>008</u> FEET	

RECOMMENDED PUMP TYPE:  SHALLOW  DEEP

RECOMMENDED PUMP SETTING: 025 FEET

RECOMMENDED PUMPING RATE: 0005 GPM.



### FINAL STATUS OF WELL

WATER SUPPLY  ABANDONED, INSUFFICIENT SUPPLY

OBSERVATION WELL  ABANDONED, POOR QUALITY

TEST HOLE  UNFINISHED

RECHARGE WELL

### WATER USE

DOMESTIC  COMMERCIAL

STOCK  MUNICIPAL

IRRIGATION  PUBLIC SUPPLY

INDUSTRIAL  COOLING OR AIR CONDITIONING

OTHER  NOT USED

### METHOD OF DRILLING

CABLE TOOL  BORING

ROTARY (CONVENTIONAL)  DIAMOND

ROTARY (REVERSE)  JETTING

ROTARY (AIR)  DRIVING

AIR PERCUSSION

### CONTRACTOR

NAME OF WELL CONTRACTOR: Capital Water Supply LICENCE NUMBER: 1558

ADDRESS: 14 Ashford Dr Ottawa 6

NAME OF DRILLER OR BORE: Walter Kavanagh LICENCE NUMBER: \_\_\_\_\_

SIGNATURE OF CONTRACTOR: Walter Kavanagh SUBMISSION DATE: \_\_\_\_\_

### OFFICE USE ONLY

DATA SOURCE: 1 CONTRACTOR: 1558 DATE RECEIVED: 280970

DATE OF INSPECTION: \_\_\_\_\_ INSPECTOR: \_\_\_\_\_

REMARKS: \_\_\_\_\_

P. King  
WI





# WATER WELL RECORD

31645

Water management in Ontario

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

11

1511100

MUNICIP. 15291

CON. 14

COUNTY OR DISTRICT: **CARLETON** TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: **RICHMOND** COB., BLOCK, TRACT, SURVEY, ETC.: **14** LOT: **25-27**

OWNER (SURNAME FIRST): **STAR QUALITY HOMES LTD.** ADDRESS: **STITTSVILLE Ont.** DATE COMPLETED: DAY **31** MO. **03** YR. **71**

ZONE: **21** EASTING: **80** NORTHING: **60103640** ELEVATION: **2310** BASIN CODE: **23**

## LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
BLUE	CLAY		SOFT	0	8
GREY	CLAY	BOULDERS	HARD	8	10
GREY	LIMESTONE		HARD	10	75

31 0008305 00020513 0075215

32

### 41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0073 10-13	<input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
15-18	<input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
20-23	<input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
25-28	<input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
30-33	<input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL

### 51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET
			FROM TO
5 1/2	STEEL	1/8	0 22 1/2
05	<del>STEEL</del>		22 1/2 75
	STEEL		0075

### 61 PLUGGING & SEALING RECORD

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

### 71 PUMPING TEST

PUMPING TEST METHOD:  PUMP  BAILER

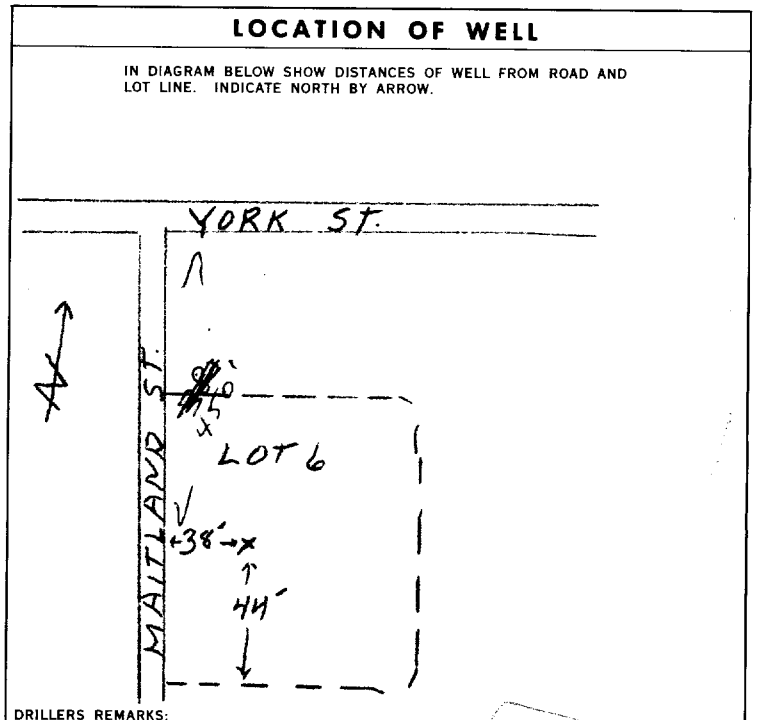
PUMPING RATE: **0020** GPM. DURATION OF PUMPING: **01** HOURS **00** MINS.

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING
		15 MINUTES 26-28 30 MINUTES 29-31 45 MINUTES 32-34 60 MINUTES 35-37
005 FEET	008 FEET	008 008 008 008 FEET

RECOMMENDED PUMP TYPE:  SHALLOW  DEEP

RECOMMENDED PUMP SETTING: **030** FEET. RECOMMENDED PUMPING RATE: **0005** GPM.

50-53 **0.067** GPM./FT. SPECIFIC CAPACITY



### FINAL STATUS OF WELL

WATER SUPPLY  OBSERVATION WELL  TEST HOLE  RECHARGE WELL

ABANDONED, INSUFFICIENT SUPPLY  ABANDONED, POOR QUALITY  UNFINISHED

### WATER USE

DOMESTIC  STOCK  IRRIGATION  INDUSTRIAL  OTHER

COMMERCIAL  MUNICIPAL  PUBLIC SUPPLY  COOLING OR AIR CONDITIONING  NOT USED

### METHOD OF DRILLING

CABLE TOOL  ROTARY (CONVENTIONAL)  ROTARY (REVERSE)  ROTARY (AIR)  AIR PERCUSSION

BORING  DIAMOND  JETTING  DRIVING

### CONTRACTOR

NAME OF WELL CONTRACTOR: **CAPITAL WATER SUPPLY** LICENCE NUMBER: **1558**

ADDRESS: **14 ASHFORD DR.**

NAME OF DRILLER OR BORER: **J. MOORE** LICENCE NUMBER:

SIGNATURE OF CONTRACTOR: *Halter Kavanagh* SUBMISSION DATE: DAY \_\_\_\_\_ MO. \_\_\_\_\_ YR. \_\_\_\_\_

### OFFICE USE ONLY

DATA SOURCE: **1** CONTRACTOR: **1558** DATE RECEIVED: **140471**

DATE OF INSPECTION: \_\_\_\_\_ INSPECTOR: \_\_\_\_\_

REMARKS: \_\_\_\_\_

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WI



# The Ontario Water Resources Commission Act

# WATER WELL RECORD

3164F

Water management in Ontario 1. PRINT ONLY IN SPACES PROVIDED 2. CHECK  CORRECT BOX WHERE APPLICABLE

11 1511109-1 15701 11

COUNTY OR DISTRICT: Carleton TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: Richmond CON., BLOCK, TRACT, SURVEY, ETC.: LOT 25-27

OWNER (SURNAME FIRST): Star Quality Homes Ltd ADDRESS: St. Hs. ville Ont DATE COMPLETED: 29 MO 03 YR 71

21 UTM ZONE: 18 EASTING: 434329 NORTHING: 61003750 RC: 4 ELEVATION: 02301 RC: 3 BASIN CODE: 125

## LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
Blue	Clay	Silt	Packed	0'	16'
Grey	Lime Stone		Hard	16'	84'

31 001630500 0084215

32

### 41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER			
10-13	<input checked="" type="checkbox"/> FRESH	<input type="checkbox"/> SALTY	<input type="checkbox"/> SULPHUR	<input type="checkbox"/> MINERAL
15-18	<input type="checkbox"/> FRESH	<input type="checkbox"/> SALTY	<input type="checkbox"/> SULPHUR	<input type="checkbox"/> MINERAL
20-23	<input type="checkbox"/> FRESH	<input type="checkbox"/> SALTY	<input type="checkbox"/> SULPHUR	<input type="checkbox"/> MINERAL
25-28	<input type="checkbox"/> FRESH	<input type="checkbox"/> SALTY	<input type="checkbox"/> SULPHUR	<input type="checkbox"/> MINERAL
30-33	<input type="checkbox"/> FRESH	<input type="checkbox"/> SALTY	<input type="checkbox"/> SULPHUR	<input type="checkbox"/> MINERAL

### 51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
6"	<input checked="" type="checkbox"/> STEEL	1.88	0'	22'
06"	<input type="checkbox"/> GALVANIZED			
	<input type="checkbox"/> CONCRETE			
	<input checked="" type="checkbox"/> OPEN HOLE			
17-18	<input type="checkbox"/> STEEL			20-23
	<input type="checkbox"/> GALVANIZED			
	<input type="checkbox"/> CONCRETE			
	<input checked="" type="checkbox"/> OPEN HOLE			
24-25	<input type="checkbox"/> STEEL			27-30
	<input type="checkbox"/> GALVANIZED			
	<input type="checkbox"/> CONCRETE			
	<input type="checkbox"/> OPEN HOLE			

### SCREEN

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

### 61 PLUGGING & SEALING RECORD

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

### 71 PUMPING TEST

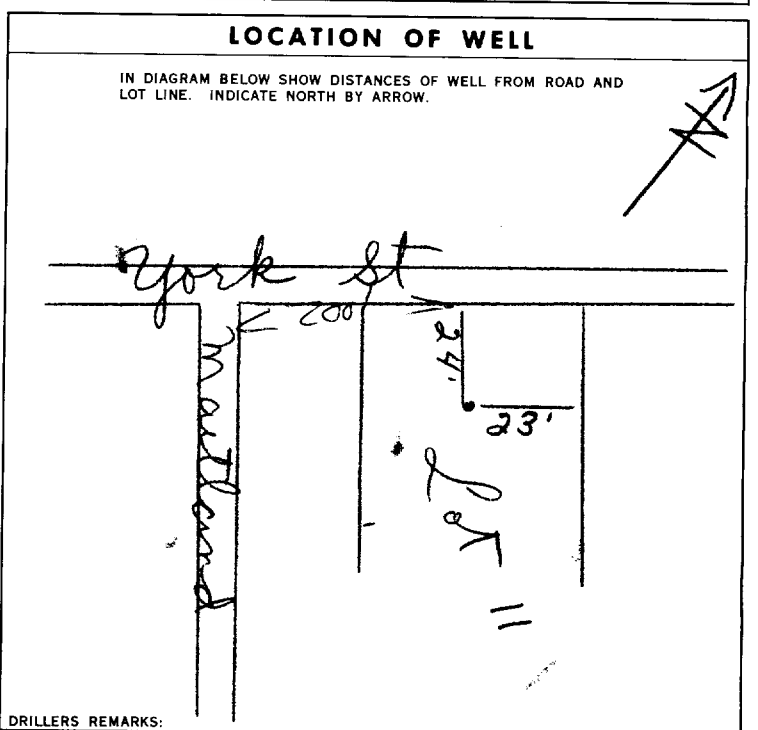
1  PUMP 2  BAILER 10 PUMPING RATE: 0025 GPM 11-14 DURATION OF PUMPING: 15-16 HOURS 17-18 MINS.

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING			
005	025	15 MINUTES: 025	30 MINUTES: 025	45 MINUTES: 025	60 MINUTES: 025

IF FLOWING, GIVE RATE: 005 GPM. PUMP INTAKE SET AT: 030' FEET. WATER AT END OF TEST: 005 FEET.

RECOMMENDED PUMP TYPE:  SHALLOW  DEEP. RECOMMENDED PUMP SETTING: 030' FEET. RECOMMENDED PUMPING RATE: 0005 GPM.

50-53 001.2 GPM./FT. SPECIFIC CAPACITY



### FINAL STATUS OF WELL

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

### WATER USE

55-56  DOMESTIC 5  COMMERCIAL  
 2  STOCK 6  MUNICIPAL  
 3  IRRIGATION 7  PUBLIC SUPPLY  
 4  INDUSTRIAL 8  COOLING OR AIR CONDITIONING  
 OTHER 9  NOT USED

### METHOD OF DRILLING

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

### CONTRACTOR

NAME OF WELL CONTRACTOR: Capital Water Supply LICENCE NUMBER: 1558  
 ADDRESS: 14 Ashford Dr Ottawa  
 NAME OF DRILLER OR BORER: B Bisson LICENCE NUMBER:  
 SIGNATURE OF CONTRACTOR: [Signature] SUBMISSION DATE: DAY MO YR

### OFFICE USE ONLY

DATA SOURCE: 1 CONTRACTOR: 1558 DATE RECEIVED: 150471  
 DATE OF INSPECTION: INSPECTOR: [Signature]  
 REMARKS: P L  
 WI



# The Ontario Water Resources Commission Act

# WATER WELL RECORD

3164F

Water management in Ontario

- PRINT ONLY IN SPACES PROVIDED
- CHECK  CORRECT BOX WHERE APPLICABLE

11  
1 2

1511110-1

MUNICIP. 15701

CON. 10 14 15 22 23 24

COUNTY OR DISTRICT: Carleton TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: Richmond CON., BLOCK, TRACT, SURVEY, ETC.: \_\_\_\_\_ LOT: 25-27

OWNER (SURNAME FIRST): Star Quality Homes ADDRESS: St. Hsiville Ont DATE COMPLETED: DAY 29 MO 03 YR 71

ZONE 21 EASTING 18 NORTHING 5003640 RC. 4 ELEVATION 0310 RC. 5 BASIN CODE 25

### LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
Blue	Clay	Silt	Packed	0'	12'
Grey	Lime Stone		Hard	12'	90'

31 001230500 0070015

32 \_\_\_\_\_

### 41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0068 <sup>10-13</sup>	1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
15-18	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
20-23	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
25-28	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
30-33	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL

### 51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET
10-11	1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input checked="" type="checkbox"/> OPEN HOLE	1.88	FROM 0 TO 21'
17-18	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input checked="" type="checkbox"/> OPEN HOLE		20-23
24-25	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE		27-30

### SCREEN

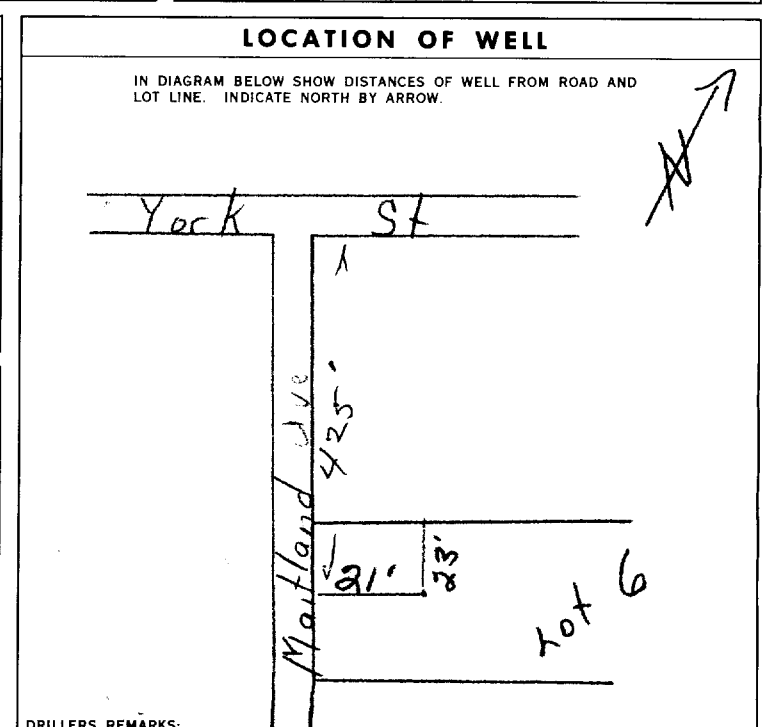
SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN	

### 61 PLUGGING & SEALING RECORD

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

### 71 PUMPING TEST

PUMPING TEST METHOD 1 <input checked="" type="checkbox"/> PUMP 2 <input type="checkbox"/> BAILER	PUMPING RATE <u>0007</u> GPM.	DURATION OF PUMPING 11-14 HOURS <u>01</u> 15-16 HOURS <u>00</u> 17-18 HOURS <u>00</u> MINS.
STATIC LEVEL <u>010</u> FEET	WATER LEVEL END OF PUMPING <u>050</u> FEET	WATER LEVELS DURING PUMPING 15 MINUTES <u>050</u> FEET 30 MINUTES <u>050</u> FEET 45 MINUTES <u>050</u> FEET 60 MINUTES <u>050</u> FEET
IF FLOWING, GIVE RATE GPM.	PUMP INTAKE SET AT <u>060</u> FEET	WATER AT END OF TEST 1 <input type="checkbox"/> CLEAR 2 <input checked="" type="checkbox"/> CLOUDY
RECOMMENDED PUMP TYPE <input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/> DEEP	RECOMMENDED PUMP SETTING <u>060</u> FEET	RECOMMENDED PUMPING RATE <u>0005</u> GPM.
50-53 <u>0.002</u> GPM./FT. SPECIFIC CAPACITY		



### FINAL STATUS OF WELL

54 1  WATER SUPPLY 5  ABANDONED, INSUFFICIENT SUPPLY  
2  OBSERVATION WELL 6  ABANDONED, POOR QUALITY  
3  TEST HOLE 7  UNFINISHED  
4  RECHARGE WELL

### WATER USE

55-56 1  DOMESTIC 5  COMMERCIAL  
2  STOCK 6  MUNICIPAL  
3  IRRIGATION 7  PUBLIC SUPPLY  
4  INDUSTRIAL 8  COOLING OR AIR CONDITIONING  
 OTHER 9  NOT USED

### METHOD OF DRILLING

57 1  CABLE TOOL 6  BORING  
2  ROTARY (CONVENTIONAL) 7  DIAMOND  
3  ROTARY (REVERSE) 8  JETTING  
4  ROTARY (AIR) 9  DRIVING  
5  AIR PERCUSSION

### CONTRACTOR

NAME OF WELL CONTRACTOR: Capital Water Supply LICENCE NUMBER: 1558

ADDRESS: 14 Ashford Dr Ottawa

NAME OF DRILLER OR BORER: B Besson LICENCE NUMBER: \_\_\_\_\_

SIGNATURE OF CONTRACTOR: Walter Lavonagh SUBMISSION DATE: \_\_\_\_\_

### OFFICE USE ONLY

DATA SOURCE: 1 CONTRACTOR: 1558 DATE RECEIVED: 150471

DATE OF INSPECTION: \_\_\_\_\_ INSPECTOR: 1/11

REMARKS: \_\_\_\_\_

PK  
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OWRC COPY



# WATER WELL RECORD

3164F

Water management in Ontario

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2. CHECK  CORRECT BOX WHERE APPLICABLE

11

1511111

MUNICIP. 15201

CON.

COUNTY OR DISTRICT: **Carleton** TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: **Richmond** CON., BLOCK, TRACT, SURVEY, ETC.: \_\_\_\_\_ LOT: 25-27

OWNER (SURNAME FIRST): **Star Quality Homes Ltd** ADDRESS: **Stittsville Ont** DATE COMPLETED: **29 03 71**

ZONE: **21** EASTING: **V24360** NORTHING: **6103660** RC: **1** ELEVATION: **2310** RC: **15** BASIN CODE: **25**

### LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
Blue	Clay	Silt	Packed	0	13'
Grey	lime Stone		Hard	13	93'

31 **001330500** **00932161**

32

**41 WATER RECORD**

WATER FOUND AT - FEET	KIND OF WATER
10-13	1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
15-18	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
20-23	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
25-28	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
30-33	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL

**51 CASING & OPEN HOLE RECORD**

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
06.75	1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input checked="" type="checkbox"/> OPEN HOLE	1.88	0	22
06	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input checked="" type="checkbox"/> OPEN HOLE			20-23
06	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE			27-30

**61 PLUGGING & SEALING RECORD**

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

**71 PUMPING TEST**

PUMPING TEST METHOD: 1  PUMP 2  BAILEY

PUMPING RATE: **0006** GPM

DURATION OF PUMPING: **01** HOURS **00** MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING PUMPING			
19-21 FEET	22-24 FEET	15 MINUTES 25-28 FEET	30 MINUTES 29-31 FEET	45 MINUTES 32-34 FEET	60 MINUTES 35-37 FEET
<b>012'</b>	<b>060'</b>	<b>060'</b>	<b>060'</b>	<b>060'</b>	<b>060'</b>

IF FLOWING, GIVE RATE: \_\_\_\_\_ GPM

PUMP INTAKE SET AT: \_\_\_\_\_ FEET

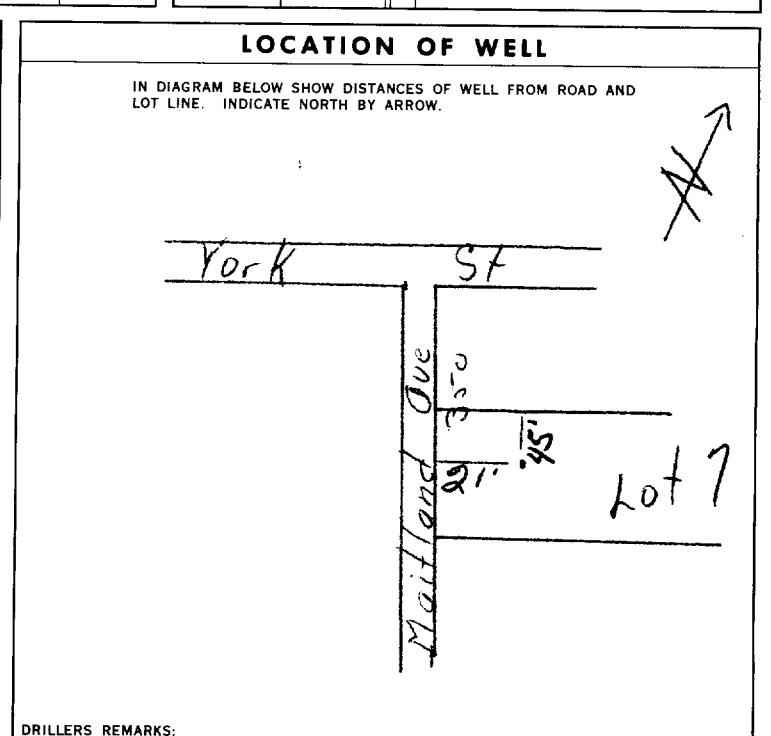
WATER AT END OF TEST: **1** CLEAR 2  CLOUDY

RECOMMENDED PUMP TYPE:  SHALLOW  DEEP

RECOMMENDED PUMP SETTING: **075** FEET

RECOMMENDED PUMPING RATE: **0005** GPM

50-53 **000.1** GPM./FT. SPECIFIC CAPACITY



**FINAL STATUS OF WELL**

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

**WATER USE**

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

**METHOD OF DRILLING**

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

**CONTRACTOR**

NAME OF WELL CONTRACTOR: **Capital Water Supply** LICENCE NUMBER: **1558**

ADDRESS: **14 Ashford Dr Ottawa**

NAME OF DRILLER OR BORER: **B Bisson** LICENCE NUMBER: \_\_\_\_\_

SIGNATURE OF CONTRACTOR: **Walter Lavanagh** SUBMISSION DATE: \_\_\_\_\_

**OFFICE USE ONLY**

DATA SOURCE: \_\_\_\_\_ CONTRACTOR: **1558** DATE RECEIVED: **150471**

DATE OF INSPECTION: \_\_\_\_\_ INSPECTOR: **PK**

REMARKS: \_\_\_\_\_

**PK**  
**WI**



# The Ontario Water Resources Commission Act

# WATER WELL RECORD

3164F

Water management in Ontario

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1511144

MUNICIP. 15701

CON.

COUNTRY OR DISTRICT <i>Carl</i>		TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE <i>Richmond</i>		CON., BLOCK, TRACT, SURVEY, ETC.		LOT 25-27	
OWNER (SURNAME FIRST) <i>Star Quality Homes</i>		ADDRESS <i>RR # Stittsville Ont</i>		DATE COMPLETED DAY <i>30</i> MO. <i>04</i> YR. <i>71</i>			
ZONE <i>18</i>		EASTING <i>434338</i>		NORTHING <i>5003690</i>		RC. ELEVATION <i>0310</i>	
UTM <i>21</i>				RC. BASIN CODE <i>25</i>			

### LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
<i>brown</i>	<i>clay</i>		<i>packed</i>	<i>0</i>	<i>15</i>
<i>blue</i>	<i>limestone</i>		<i>hard</i>	<i>15</i>	<i>80</i>

<i>31</i>	<i>0015695</i>	<i>0080315</i>							
<i>32</i>									

#### 41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
<i>0079</i> 10-13	<input checked="" type="checkbox"/> FRESH <input type="checkbox"/> SULPHUR <input type="checkbox"/> SALTY <input type="checkbox"/> MINERAL
15-18	<input type="checkbox"/> FRESH <input type="checkbox"/> SULPHUR <input type="checkbox"/> SALTY <input type="checkbox"/> MINERAL
20-23	<input type="checkbox"/> FRESH <input type="checkbox"/> SULPHUR <input type="checkbox"/> SALTY <input type="checkbox"/> MINERAL
25-28	<input type="checkbox"/> FRESH <input type="checkbox"/> SULPHUR <input type="checkbox"/> SALTY <input type="checkbox"/> MINERAL
30-33	<input type="checkbox"/> FRESH <input type="checkbox"/> SULPHUR <input type="checkbox"/> SALTY <input type="checkbox"/> MINERAL

#### 51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
<i>38</i>	<input checked="" type="checkbox"/> STEEL	<i>188</i>	<i>0</i>	<i>22</i>
<i>05</i>	<input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input checked="" type="checkbox"/> OPEN HOLE		<i>22</i>	<i>80</i>
<i>05</i>	<input type="checkbox"/> STEEL <input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input checked="" type="checkbox"/> OPEN HOLE			<i>0080</i>
	<input type="checkbox"/> STEEL <input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input type="checkbox"/> OPEN HOLE			

#### SCREEN

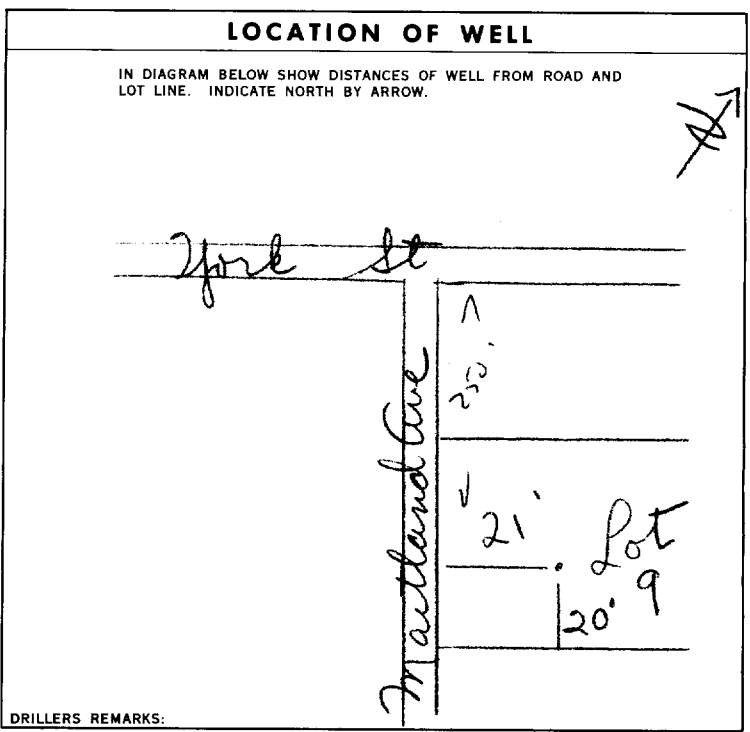
SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
MATERIAL AND TYPE		DEPTH TO TOP OF SCREEN

#### 61 PLUGGING & SEALING RECORD

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

#### 71 PUMPING TEST

PUMPING TEST METHOD <input type="checkbox"/> PUMP <input checked="" type="checkbox"/> TRAILER		PUMPING RATE <i>0010</i> GPM.		DURATION OF PUMPING 15-16 HOURS    17-18 MINS. <i>01</i> <i>00</i>	
WATER LEVELS DURING PUMPING		WATER LEVELS DURING PUMPING			
19-21	22-24	15 MINUTES 25-28	30 MINUTES 29-31	45 MINUTES 32-34	60 MINUTES 35-37
<i>006</i>	<i>010</i>	<i>010</i>	<i>010</i>	<i>010</i>	<i>010</i>
IF FLOWING, GIVE RATE		PUMP INTAKE SET AT		WATER AT END OF TEST	
		<i>030</i> FEET		<input checked="" type="checkbox"/> CLEAR <input type="checkbox"/> CLOUDY	
RECOMMENDED PUMP TYPE <input checked="" type="checkbox"/> SHALLOW <input type="checkbox"/> DEEP		RECOMMENDED PUMP SETTING <i>030</i> FEET		RECOMMENDED PUMPING RATE <i>0005</i> GPM.	
50-53 <i>002.5</i> GPM./FT. SPECIFIC CAPACITY					



<b>FINAL STATUS OF WELL</b>	54 <input checked="" type="checkbox"/> WATER SUPPLY <input type="checkbox"/> ABANDONED, INSUFFICIENT SUPPLY	
	2 <input type="checkbox"/> OBSERVATION WELL <input type="checkbox"/> ABANDONED, POOR QUALITY	
	3 <input type="checkbox"/> TEST HOLE <input type="checkbox"/> UNFINISHED	
<b>WATER USE</b>	55-56 <input checked="" type="checkbox"/> DOMESTIC <input type="checkbox"/> COMMERCIAL	
	2 <input type="checkbox"/> STOCK <input type="checkbox"/> MUNICIPAL	
	3 <input type="checkbox"/> IRRIGATION <input type="checkbox"/> PUBLIC SUPPLY	
<b>METHOD OF DRILLING</b>	57 <input checked="" type="checkbox"/> CABLE TOOL <input type="checkbox"/> BORING	
	2 <input type="checkbox"/> ROTARY (CONVENTIONAL) <input type="checkbox"/> DIAMOND	
	3 <input type="checkbox"/> ROTARY (REVERSE) <input type="checkbox"/> JETTING	
		4 <input type="checkbox"/> ROTARY (AIR) <input type="checkbox"/> DRIVING
		5 <input type="checkbox"/> AIR PERCUSSION

<b>CONTRACTOR</b>	NAME OF WELL CONTRACTOR <i>Capital Water Supply</i>		LICENCE NUMBER <i>1558</i>
	ADDRESS <i>14 Ashford Dr Ottawa</i>		
	NAME OF DRILLER OR OPERATOR <i>J Moore</i>		LICENCE NUMBER
	SIGNATURE OF CONTRACTOR <i>Walter Lavanagh</i>		SUBMISSION DATE
		DAY	MO.
		YR.	

<b>OFFICE USE ONLY</b>	DATA SOURCE <i>1</i>		58 CONTRACTOR <i>1558</i>	59-62 DATE RECEIVED <i>010671</i>	63-68
	DATE OF INSPECTION		INSPECTOR <i>hm</i>		
	REMARKS:				
	<i>PX</i> <i>WI</i>				



# WATER WELL RECORD

31645

Water management in Ontario 1. PRINT ONLY IN SPACES PROVIDED  
2. CHECK  CORRECT BOX WHERE APPLICABLE

11 1511146 15701

COUNTY OR DISTRICT: Carl TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: Richmond CON., BLOCK, TRACT, SURVEY, ETC.: \_\_\_\_\_ LOT: 25-27

OWNER (SURNAME FIRST): Star Quality Homes ADDRESS: RR #2 Stittsville Ont DATE COMPLETED: DAY 06 MO. 05 YR. 71

ZONE: 18 NORTHING: 3003610 ELEVATION: 0310 BASIN CODE: 25

### LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
<u>grey</u>	<u>shell</u>	<u>sandy gravel</u>	<u>loose</u>	<u>0</u>	<u>6</u>
<u>brown</u>	<u>clay</u>		<u>packed</u>	<u>6</u>	<u>9</u>
<u>blue</u>	<u>limestone</u>		<u>hard</u>	<u>9</u>	<u>76</u>

31 00002911109 0009005 0020315

32 \_\_\_\_\_

### 41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
<u>0074</u> 10-13	<input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
15-18	<input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
20-23	<input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
25-28	<input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
30-33	<input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL

### 51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
<u>5.8</u>	<input checked="" type="checkbox"/> STEEL <input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input checked="" type="checkbox"/> OPEN HOLE	<u>188</u>	<u>0</u>	<u>22</u>
<u>05</u>	<input type="checkbox"/> STEEL <input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input checked="" type="checkbox"/> OPEN HOLE		<u>22</u>	<u>76</u>
	<input type="checkbox"/> STEEL <input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input checked="" type="checkbox"/> OPEN HOLE			<u>0076</u>
	<input type="checkbox"/> STEEL <input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input type="checkbox"/> OPEN HOLE			<u>27-30</u>

### SCREEN

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

MATERIAL AND TYPE: \_\_\_\_\_ DEPTH TO TOP OF SCREEN: \_\_\_\_\_

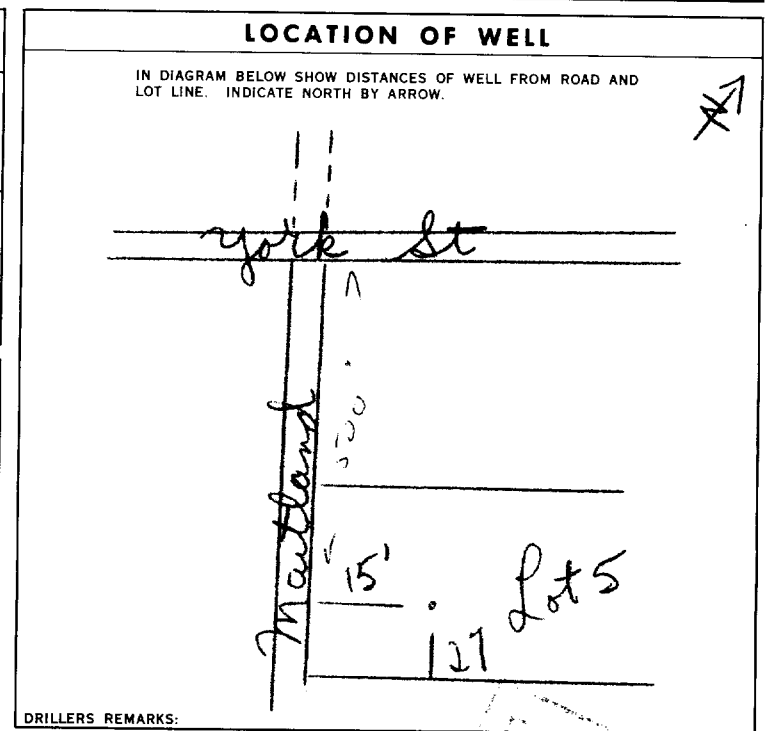
### 61 PLUGGING & SEALING RECORD

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

### 71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
<input type="checkbox"/> PUMP <input checked="" type="checkbox"/> BAILER	GPM	HOURS MINS.
		<u>15-16</u> <u>17-18</u>
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING
<u>004</u> 19-21	<u>006</u> 22-24	15 MINUTES 25-28: <u>006</u> 30 MINUTES 29-31: <u>006</u> 45 MINUTES 32-34: <u>006</u> 60 MINUTES 35-37: <u>006</u>
IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
	<u>030</u> 38-41	<u>0005</u> 42
RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
<input checked="" type="checkbox"/> SHALLOW <input type="checkbox"/> DEEP	<u>030</u> 43-45	<u>0005</u> 46-49

50-53 GPM./FT. SPECIFIC CAPACITY



### FINAL STATUS OF WELL

54  WATER SUPPLY 5  ABANDONED, INSUFFICIENT SUPPLY  
 OBSERVATION WELL 6  ABANDONED, POOR QUALITY  
 TEST HOLE 7  UNFINISHED  
 RECHARGE WELL

### WATER USE

55-56  DOMESTIC 5  COMMERCIAL  
 STOCK 6  MUNICIPAL  
 IRRIGATION 7  PUBLIC SUPPLY  
 INDUSTRIAL 8  COOLING OR AIR CONDITIONING  
 OTHER 9  NOT USED

### METHOD OF DRILLING

57  CABLE TOOL 6  BORING  
 ROTARY (CONVENTIONAL) 7  DIAMOND  
 ROTARY (REVERSE) 8  JETTING  
 ROTARY (AIR) 9  DRIVING  
 AIR PERCUSSION

### CONTRACTOR

NAME OF WELL CONTRACTOR: Capital Water Supply LICENCE NUMBER: 1558  
 ADDRESS: 14 Ashford Dr Ottawa 6  
 NAME OF DRILLER OR Borer: Burrows LICENCE NUMBER: \_\_\_\_\_  
 SIGNATURE OF CONTRACTOR: Walter Swanagh SUBMISSION DATE: \_\_\_\_\_

### OFFICE USE ONLY

DATA SOURCE: 1 CONTRACTOR: 1558 DATE RECEIVED: 010671  
 DATE OF INSPECTION: \_\_\_\_\_ INSPECTOR: Km.  
 REMARKS: \_\_\_\_\_

P K  
WI



# WATER WELL RECORD

Water management in Ontario 1. PRINT ONLY IN SPACES PROVIDED  
2. CHECK  CORRECT BOX WHERE APPLICABLE

11  
1 2

1511395

MUNICIP. 15701

CON.

COUNTY OR DISTRICT: Carleton TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: Richmond CON., BLOCK, TRACT, SURVEY, ETC.: \_\_\_\_\_ LOT: 25-27

OWNER (SURNAME FIRST): Star Quality Homes Ltd ADDRESS: RR2 Stittsville Ont. DATE COMPLETED: 48-53  
DAY: 11 MO: 08 YR: 71

ZONE: 21 EASTING: 434300 NORTHING: 51003720 ELEVATION: 0308 BASIN CODE: 25

### LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
<u>Grey</u>	<u>Clay</u>	<u>stones</u>	<u>soft</u>	<u>0</u>	<u>16</u>
<u>Grey</u>	<u>limestone</u>		<u>hard</u>	<u>16</u>	<u>64</u>

31 001620512 0064215

32 \_\_\_\_\_

#### 41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER			
10-13	<input checked="" type="checkbox"/> FRESH	<input type="checkbox"/> SALTY	<input type="checkbox"/> SULPHUR	<input type="checkbox"/> MINERAL
15-18	<input type="checkbox"/> FRESH	<input type="checkbox"/> SALTY	<input type="checkbox"/> SULPHUR	<input type="checkbox"/> MINERAL
20-23	<input type="checkbox"/> FRESH	<input type="checkbox"/> SALTY	<input type="checkbox"/> SULPHUR	<input type="checkbox"/> MINERAL
25-28	<input type="checkbox"/> FRESH	<input type="checkbox"/> SALTY	<input type="checkbox"/> SULPHUR	<input type="checkbox"/> MINERAL
30-33	<input type="checkbox"/> FRESH	<input type="checkbox"/> SALTY	<input type="checkbox"/> SULPHUR	<input type="checkbox"/> MINERAL

#### 51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
<u>5 1/2</u>	<input checked="" type="checkbox"/> STEEL		<u>0</u>	<u>21</u>
<u>05</u>	<input type="checkbox"/> GALVANIZED			<u>0021</u>
	<input type="checkbox"/> CONCRETE			<u>64</u>
	<input checked="" type="checkbox"/> OPEN HOLE			

#### 60 SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH

MATERIAL AND TYPE: \_\_\_\_\_ DEPTH TO TOP OF SCREEN: \_\_\_\_\_

#### 61 PLUGGING & SEALING RECORD

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

#### 71 PUMPING TEST

PUMPING TEST METHOD:  PUMP  TRAILER

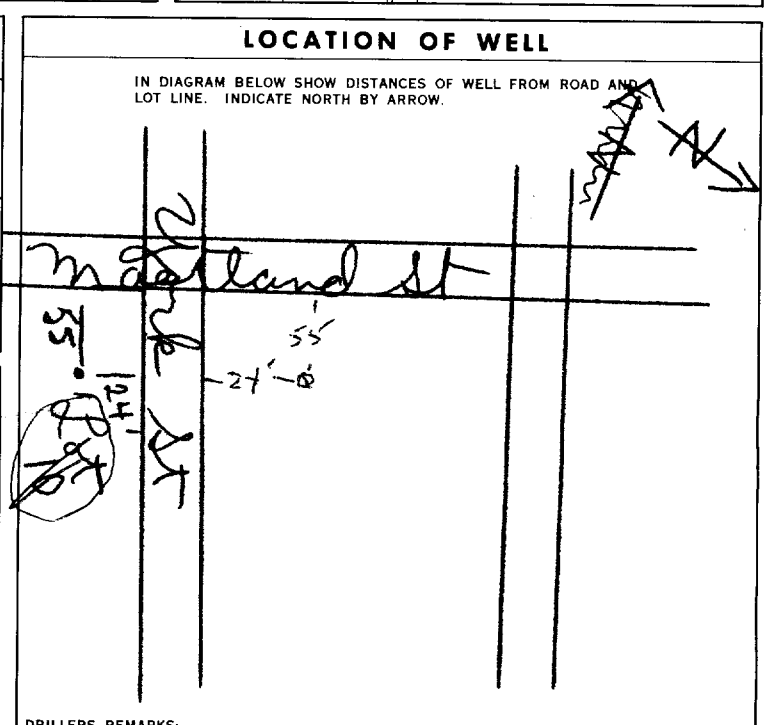
PUMPING RATE: 0010 GPM. DURATION OF PUMPING: 01 HOURS 00 MINS.

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING PUMPING			
<u>008</u> FEET	<u>012</u> FEET	15 MINUTES: <u>012</u> FEET	30 MINUTES: <u>012</u> FEET	45 MINUTES: <u>012</u> FEET	60 MINUTES: <u>012</u> FEET

RECOMMENDED PUMP TYPE:  SHALLOW  DEEP

RECOMMENDED PUMP SETTING: 030 FEET

RECOMMENDED PUMPING RATE: 0005 GPM.



#### FINAL STATUS OF WELL

WATER SUPPLY  ABANDONED, INSUFFICIENT SUPPLY

OBSERVATION WELL  ABANDONED, POOR QUALITY

TEST HOLE  UNFINISHED

RECHARGE WELL

#### WATER USE

DOMESTIC  COMMERCIAL

STOCK  MUNICIPAL

IRRIGATION  PUBLIC SUPPLY

INDUSTRIAL  COOLING OR AIR CONDITIONING

OTHER  NOT USED

#### METHOD OF DRILLING

CABLE TOOL  BORING

ROTARY (CONVENTIONAL)  DIAMOND

ROTARY (REVERSE)  JETTING

ROTARY (AIR)  DRIVING

AIR PERCUSSION

#### CONTRACTOR

NAME OF WELL CONTRACTOR: Capital Water Supply Ltd LICENCE NUMBER: 1558

ADDRESS: 14 Ashford Rd. Ottawa

NAME OF DRILLER OR BORER: E. Maurice LICENCE NUMBER: \_\_\_\_\_

SIGNATURE OF CONTRACTOR: Kalte Kwanagh SUBMISSION DATE: DAY 11 MO. 8 YR. 71

#### OFFICE USE ONLY

DATA SOURCE: 1 CONTRACTOR: 1558 DATE RECEIVED: 100971

DATE OF INSPECTION: \_\_\_\_\_ INSPECTOR: Km

REMARKS: \_\_\_\_\_

P: Km

WI



# WATER WELL RECORD

Water management in Ontario

1. PRINT ONLY IN SPACES PROVIDED

2. CHECK  CORRECT BOX WHERE APPLICABLE

11

1511396

MUNICIP. 15701

CON.

COUNTY OR DISTRICT **CARLETON** TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE **RICHMOND** CON., BLOCK, TRACT, SURVEY, ETC. **3** LOT **25-27**

OWNER (SURNAME FIRST) **STAR QUALITY HOMES** ADDRESS **STITTSVILLE** DATE COMPLETED **10 08 71**

ZONE **18** EASTING **434340** NORTHING **5003260** RC **4** ELEVATION **0308** RC **4** BASIN CODE **25**

## LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
GREY	CLAY	STONES	SOFT	0	16
GREY	LIMESTONE		HARD	16	81

31 **00120512** **0081215**

32

### 41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
10-13	1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input checked="" type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
15-18	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
20-23	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
25-28	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
30-33	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL

### 51 CASING & OPEN HOLE RECORD

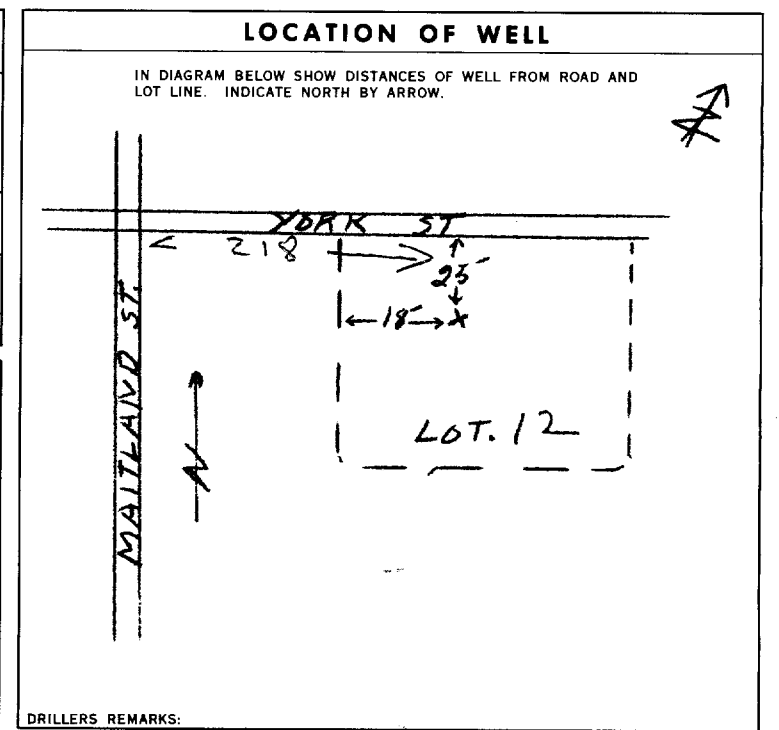
INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
10-11	1 <input checked="" type="checkbox"/> STEEL	188	0	21
11-12	2 <input type="checkbox"/> GALVANIZED			0021
12-13	3 <input type="checkbox"/> CONCRETE			
13-14	4 <input checked="" type="checkbox"/> OPEN HOLE		21	81
17-18	1 <input type="checkbox"/> STEEL			0081
18-19	2 <input type="checkbox"/> GALVANIZED			
19-20	3 <input type="checkbox"/> CONCRETE			
20-21	4 <input checked="" type="checkbox"/> OPEN HOLE			
24-25	1 <input type="checkbox"/> STEEL			
25-26	2 <input type="checkbox"/> GALVANIZED			
26-27	3 <input type="checkbox"/> CONCRETE			
27-28	4 <input type="checkbox"/> OPEN HOLE			

### 61 PLUGGING & SEALING RECORD

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

### 71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 <input type="checkbox"/> PUMP 2 <input checked="" type="checkbox"/> BAILER	0016 GPM	01 HOURS - 00 MINS.
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING
19-21	22-24	15 MINUTES 25-28
008 FEET	015 FEET	015 FEET
29-31	32-34	45 MINUTES 35-37
015 FEET	015 FEET	015 FEET
IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
		1 <input type="checkbox"/> CLEAR 2 <input checked="" type="checkbox"/> CLOUDY
RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
1 <input checked="" type="checkbox"/> SHALLOW 2 <input type="checkbox"/> DEEP	030 FEET	0005 GPM
50-55 002.3 GPM./FT. SPECIFIC CAPACITY		



### FINAL STATUS OF WELL

54 1  WATER SUPPLY 5  ABANDONED, INSUFFICIENT SUPPLY  
 2  OBSERVATION WELL 6  ABANDONED, POOR QUALITY  
 3  TEST HOLE 7  UNFINISHED  
 4  RECHARGE WELL

### WATER USE

55-56 1  DOMESTIC 5  COMMERCIAL  
 2  STOCK 6  MUNICIPAL  
 3  IRRIGATION 7  PUBLIC SUPPLY  
 4  INDUSTRIAL 8  COOLING OR AIR CONDITIONING  
 OTHER 9  NOT USED

### METHOD OF DRILLING

57 1  CABLE TOOL 6  BORING  
 2  ROTARY (CONVENTIONAL) 7  DIAMOND  
 3  ROTARY (REVERSE) 8  JETTING  
 4  ROTARY (AIR) 9  DRIVING  
 5  AIR PERCUSSION

### CONTRACTOR

NAME OF WELL CONTRACTOR **CAPITAL WATER SUPPLY** LICENCE NUMBER **1558**  
 ADDRESS **14 ASHFORD**

NAME OF DRILLER OR BORER **J. MOORE** LICENCE NUMBER  
 SIGNATURE OF CONTRACTOR **Kalter Lavanagh** SUBMISSION DATE **10 8 71**

### OFFICE USE ONLY

DATA SOURCE **1** 58 CONTRACTOR **1558** DATE RECEIVED **10 09 71** 63-68 80  
 DATE OF INSPECTION INSPECTOR **100971**  
 REMARKS  
 P **K**  
 WI





# WATER WELL RECORD

3164f

Water management in Ontario 1. PRINT ONLY IN SPACES PROVIDED  
2. CHECK  CORRECT BOX WHERE APPLICABLE

11 1511398 15701

COUNTY OR DISTRICT: CARLETON TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: Richmond CON., BLOCK, TRACT, SURVEY, ETC.: LOT 25-27

OWNER (SURNAME FIRST): STAR QUALITY HOMES ADDRESS: STITTSVILLE DATE COMPLETED: 06/08/71

21 U T M 10 12 17 18 24 25 26 30 31 47

ZONE: 18 EASTING: 434380 NORTHING: 5003630 RC: 4 ELEVATION: 0308 RC: 4 BASIN CODE: 25

### LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
BROWN	FILL		SOFT	0	4
GREY	CLAY	STONES	SOFT	4	12
GREY	LIMESTONE		HARD	12	65

31 0094001 001220912 0065215

32

### 41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0065	<input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 14 <input checked="" type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
15-18	<input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 19 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
20-23	<input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 24 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
25-28	<input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 29 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
30-33	<input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 34 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL

### 51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
05	<input checked="" type="checkbox"/> STEEL <input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input type="checkbox"/> OPEN HOLE	2.44	0	21
05	<input type="checkbox"/> STEEL <input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input checked="" type="checkbox"/> OPEN HOLE			21-65
	<input type="checkbox"/> STEEL <input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input type="checkbox"/> OPEN HOLE			65-80

### SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH

MATERIAL AND TYPE: DEPTH TO TOP OF SCREEN: 41-44 FEET

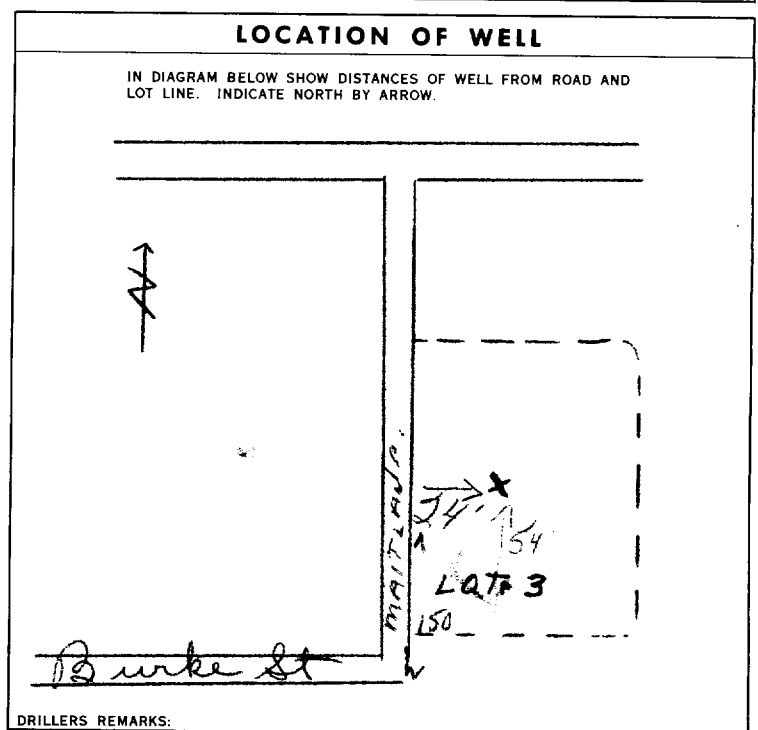
### 61 PLUGGING & SEALING RECORD

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

### 71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
<input type="checkbox"/> PUMP <input checked="" type="checkbox"/> BAILER	0018 GPM	01 HOURS 00 MINS.
STAT. LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING
007	010'	15 MINUTES: 010' 30 MINUTES: 010' 45 MINUTES: 010' 60 MINUTES: 010'
IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
		<input type="checkbox"/> CLEAR <input checked="" type="checkbox"/> CLOUDY
RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
<input checked="" type="checkbox"/> SHALLOW <input type="checkbox"/> DEEP	030 FEET	0005 GPM

50-53 006.0 GPM./FT. SPECIFIC CAPACITY



### FINAL STATUS OF WELL

54  WATER SUPPLY 5  ABANDONED, INSUFFICIENT SUPPLY  
 OBSERVATION WELL 6  ABANDONED, POOR QUALITY  
 TEST HOLE 7  UNFINISHED  
 RECHARGE WELL

### WATER USE

55-56  DOMESTIC 5  COMMERCIAL  
 STOCK 6  MUNICIPAL  
 IRRIGATION 7  PUBLIC SUPPLY  
 INDUSTRIAL 8  COOLING OR AIR CONDITIONING  
 OTHER 9  NOT USED

### METHOD OF DRILLING

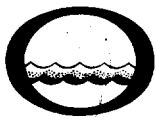
57  CABLE TOOL 6  BORING  
 ROTARY (CONVENTIONAL) 7  DIAMOND  
 ROTARY (REVERSE) 8  JETTING  
 ROTARY (AIR) 9  DRIVING  
 AIR PERCUSSION

### CONTRACTOR

NAME OF WELL CONTRACTOR: CAPITAL WATER SUPPLY LICENCE NUMBER: 1558  
 ADDRESS: 14 ASHFORD  
 NAME OF DRILLER OR BORER: J. MOORE LICENCE NUMBER:  
 SIGNATURE OF CONTRACTOR: Submission Date: 6 MO. 8 YR. 71

### OFFICE USE ONLY

DATA SOURCE: 1 1558 CONTRACTOR: 58 DATE RECEIVED: 100971 63-68 80  
 DATE OF INSPECTION: INSPECTOR: P  
 REMARKS: WI



# The Ontario Water Resources Commission Act

# WATER WELL RECORD

31647

Water management in Ontario 1. PRINT ONLY IN SPACES PROVIDED

2. CHECK  CORRECT BOX WHERE APPLICABLE

11 1511399 15701

COUNTY OR DISTRICT: CARLETON TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: Richmond CON., BLOCK, TRACT, SURVEY, ETC.: STITTSVILLE LOT: 25-27

OWNER (SURNAME FIRST): STAR QUALITY HOMES ADDRESS: STITTSVILLE DATE COMPLETED: 06 MO 08 YR 71

ZONE: 18 EASTING: 434358 NORTHING: 5003685 ELEVATION: 0306 RC: 4 BASIN CODE: 28

### LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
Brown	Clay	Silt	Packed	0'	6'
Grey	Gravel	Stones	Packed	6'	9'
Grey	lime Stone		Hard	9'	66'

31 32

#### 41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0065	<input checked="" type="checkbox"/> FRESH <input type="checkbox"/> SALTY <input type="checkbox"/> SULPHUR <input type="checkbox"/> MINERAL
	<input type="checkbox"/> FRESH <input type="checkbox"/> SALTY <input type="checkbox"/> SULPHUR <input type="checkbox"/> MINERAL
	<input type="checkbox"/> FRESH <input type="checkbox"/> SALTY <input type="checkbox"/> SULPHUR <input type="checkbox"/> MINERAL
	<input type="checkbox"/> FRESH <input type="checkbox"/> SALTY <input type="checkbox"/> SULPHUR <input type="checkbox"/> MINERAL

#### 51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
05	<input checked="" type="checkbox"/> STEEL <input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input checked="" type="checkbox"/> OPEN HOLE	2.844	0	13.46
8	<input checked="" type="checkbox"/> STEEL <input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input checked="" type="checkbox"/> OPEN HOLE		214	66
05	<input type="checkbox"/> STEEL <input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input checked="" type="checkbox"/> OPEN HOLE			0066
05	<input type="checkbox"/> STEEL <input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input type="checkbox"/> OPEN HOLE			27-30

#### SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH

MATERIAL AND TYPE: DEPTH TO TOP OF SCREEN: FEET

#### 61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
10-13	
18-21	
26-29	

#### 71 PUMPING TEST

PUMPING TEST METHOD:  PUMP  BAILER

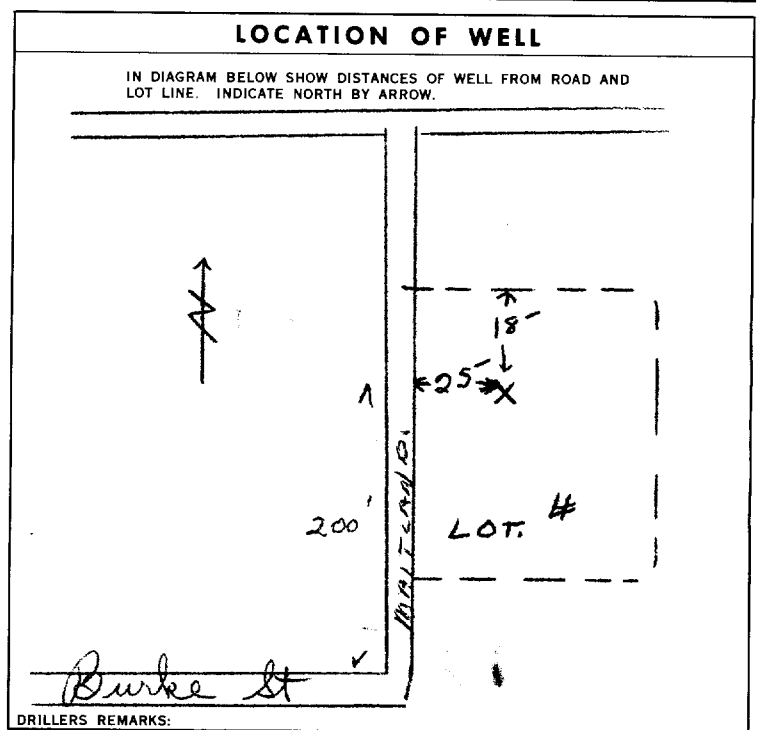
PUMPING RATE: 0018 GPM. DURATION OF PUMPING: 01 HOURS 00 MINS.

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING	RECOVERY
004	006	15 MINUTES: 006, 30 MINUTES: 006, 45 MINUTES: 006, 60 MINUTES: 006	

RECOMMENDED PUMP TYPE:  SHALLOW  DEEP

RECOMMENDED PUMP SETTING: 030 FEET

RECOMMENDED PUMPING RATE: 0005 GPM.



#### FINAL STATUS OF WELL

WATER SUPPLY  OBSERVATION WELL  TEST HOLE  RECHARGE WELL

ABANDONED, INSUFFICIENT SUPPLY  ABANDONED, POOR QUALITY  UNFINISHED

#### WATER USE

DOMESTIC  STOCK  IRRIGATION  INDUSTRIAL  OTHER

COMMERCIAL  MUNICIPAL  PUBLIC SUPPLY  COOLING OR AIR CONDITIONING  NOT USED

#### METHOD OF DRILLING

CABLE TOOL  ROTARY (CONVENTIONAL)  ROTARY (REVERSE)  ROTARY (AIR)  AIR PERCUSSION

BORING  DIAMOND  JETTING  DRIVING

#### CONTRACTOR

NAME OF WELL CONTRACTOR: CAPITAL WATER SUPPLY LICENCE NUMBER: 1558

ADDRESS: 14 ASHFORD

NAME OF DRILLER OR BORER: Jean Maurice LICENCE NUMBER: [blank]

SIGNATURE OF CONTRACTOR: Walter Lavarack SUBMISSION DATE: 6 MO 8 YR 71

#### OFFICE USE ONLY

DATA SOURCE: 1 CONTRACTOR: 1558 DATE RECEIVED: 100971

DATE OF INSPECTION: [blank] INSPECTOR: [blank]

REMARKS: [blank]

P: [blank] WI: [blank]



45

# WATER WELL RECORD

319/4f

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

11 | 1513381

MUNICIP. | 15201

CON. |

COUNTY OR DISTRICT | TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE | CON., BLOCK, TRACT, SURVEY, ETC. | LOT

Carleton | Richmond | 79 FORTUNE  
125, Manotick - Ontario.

DATE COMPLETED 48-53  
DAY 25 MO 05 YR 73

RC. ELEVATION RC. BASIN CODE II III IV  
03557 4 306 4 26 MAR 17, 1975 248

## LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
brown	sand		loose	0	2
dark	clay		packed	2	12
dark	limestone		medium	12	48

31 | 0002628 | 0012 105 | 0048 15

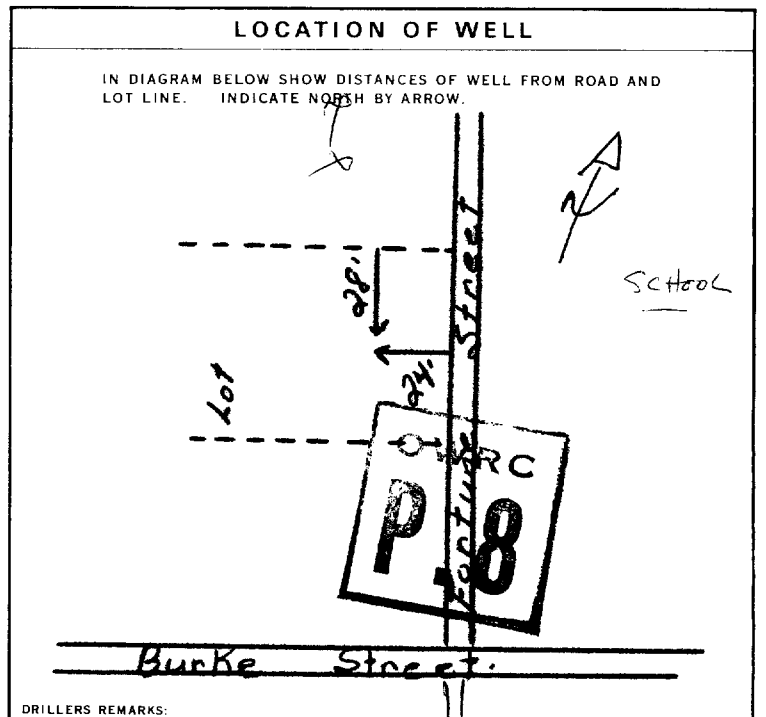
WATER FOUND AT - FEET	KIND OF WATER
0035 <sup>10-13</sup>	1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
0044 <sup>15-18</sup>	1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
0048 <sup>23</sup>	1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
	25-28 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
	30-33 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL

INCHES DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
06 <sup>0-11</sup>	<input checked="" type="checkbox"/> STEEL <input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input type="checkbox"/> OPEN HOLE	188	0	022 <sup>13-16</sup>
	<input type="checkbox"/> STEEL <input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input checked="" type="checkbox"/> OPEN HOLE		22	40
06 <sup>17-18</sup>	<input type="checkbox"/> STEEL <input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input checked="" type="checkbox"/> OPEN HOLE		22	0048 <sup>20-23</sup>
	<input type="checkbox"/> STEEL <input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input type="checkbox"/> OPEN HOLE		24-25	27-30

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

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

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 <input checked="" type="checkbox"/> PUMP 2 <input type="checkbox"/> BAILER	0000 GPM	04 15-16 HOURS 02 18 MINS
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING
015 FEET	035 FEET	15 MINUTES 26-28 035 FEET 30 MINUTES 29-31 045 FEET 45 MINUTES 32-34 045 FEET 60 MINUTES 35-37 035 FEET
IF FLOWING, GIVE RATE		WATER AT END OF TEST
RECOMMENDED PUMP TYPE		RECOMMENDED PUMP SETTING
<input checked="" type="checkbox"/> SHALLOW <input type="checkbox"/> DEEP		040 FEET
		RECOMMENDED PUMPING RATE
		0005 GPM



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

CONTRACTOR	CONTRACTOR	CONTRACTOR
NAME OF WELL CONTRACTOR Capital Water Supply Ltd. ADDRESS Box 490, Stittsville, Ontario.	LICENCE NUMBER 1558	DATE RECEIVED 130873
NAME OF DRILLER OR BORER Lenny Dryman SIGNATURE OF CONTRACTOR Galter Kavanagh	LICENCE NUMBER	INSPECTOR K
SUBMISSION DATE DAY 28 MO 5 YR 73		REMARKS: P-R

CONTRACTOR	CONTRACTOR	CONTRACTOR
NAME OF WELL CONTRACTOR Capital Water Supply Ltd. ADDRESS Box 490, Stittsville, Ontario.	LICENCE NUMBER 1558	DATE RECEIVED 130873
NAME OF DRILLER OR BORER Lenny Dryman SIGNATURE OF CONTRACTOR Galter Kavanagh	LICENCE NUMBER	INSPECTOR K
SUBMISSION DATE DAY 28 MO 5 YR 73		REMARKS: P-R



Ontario

# WATER WELL RECORD

319/148

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

11

1514650

MUNICIPALITY 15701

CON.

COUNTY OR DISTRICT <b>CARLETON</b>	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE <b>RICHMOND VILLAGE</b>	CON., BLOCK, TRACT, SURVEY, ETC. <b>GOLDBOURN CON. 3</b>	LOT 23-27
OWNER (SURNAME FIRST) <b>JULIA CONST. LTD.</b>	ADDRESS <b>RICHMOND ONT.</b>	DATE COMPLETED <b>07 05 74</b>	

ZONE EASTING NORTHING RC. ELEVATION RC. BASIN CODE II III IV  
 1514650 18 434384 5003774 4 310 4 26 AUG 04, 1977 303

### LOG OF OVERBORER AND BEDROOM MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
GREY	CLAY	SAND, STONES		0'	15'
GREY	LIMESTONE		MED. HARD.	15'	86'

31 00152052812 008621573

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
10-13	1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 4 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
15-18	1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 4 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
20-23	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 4 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
25-28	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 4 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
30-33	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 4 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
10-11	4 <input checked="" type="checkbox"/> STEEL	.188	0'	20'
17-18	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input checked="" type="checkbox"/> OPEN HOLE		20'	86'
24-25	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE			

SCREEN

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

61 PLUGGING & SEALING RECORD

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

71 PUMPING TEST METHOD

1  PUMP 2  BAILER

10 PUMPING RATE 0008 GPM.

11-14 DURATION OF PUMPING 02 15-16 HOURS 00 17-18 MINS

19-21 STATIC LEVEL 004' FEET

22-24 WATER LEVEL END OF PUMPING 060' FEET

25 WATER LEVELS DURING

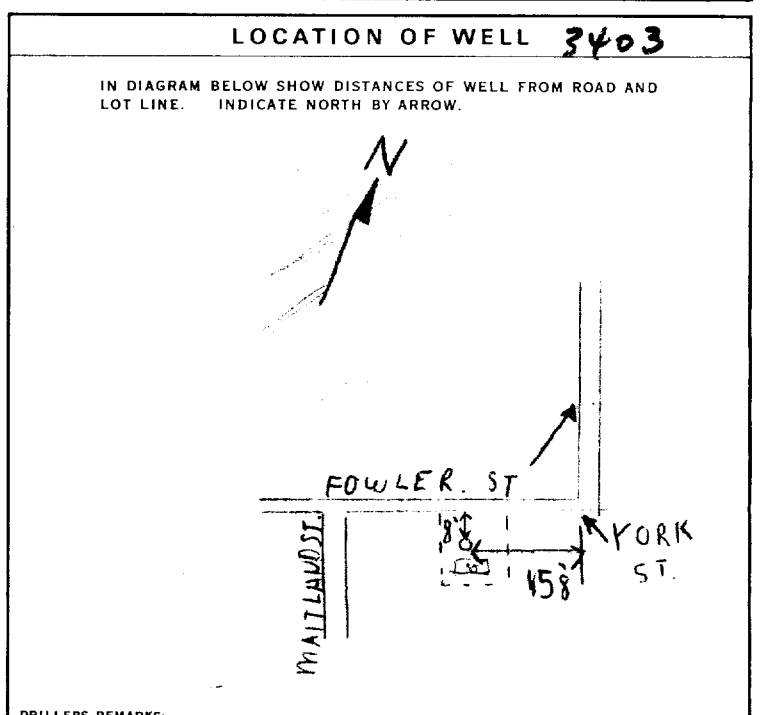
15 MINUTES 060' FEET	30 MINUTES 060' FEET	45 MINUTES 060' FEET	60 MINUTES 060' FEET
----------------------	----------------------	----------------------	----------------------

38-41 PUMP INTAKE SET AT 060' FEET

42 WATER AT END OF TEST 1  CLEAR 2  CLOUDY

43-45 RECOMMENDED PUMP SETTING 060' FEET

46-49 RECOMMENDED PUMPING RATE 0005 GPM



84 FINAL STATUS OF WELL 1  WATER SUPPLY

85-86 WATER USE 01 1  DOMESTIC

87 METHOD OF DRILLING 1  CABLE TOOL

CONTRACTOR NAME OF WELL CONTRACTOR: MAPLE LEAF DRILLING. LICENCE NUMBER: 3658.

ADDRESS: 409, 165, RICHMOND, RP.

NAME OF DRILLER OR BORER: RICK FRASER. LICENCE NUMBER:

SIGNATURE OF CONTRACTOR: [Signature] SUBMISSION DATE: DAY MO. YR.

OFFICE USE ONLY

DATA SOURCE: 1 3658 070575

DATE OF INSPECTION: 15 Apr 74 INSPECTOR: P/R Doyle

REMARKS:

P  
WI



Ontario

MINISTRY OF THE ENVIRONMENT  
The Ontario Water Resources Act

# WATER WELL RECORD

31 9/28

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

11

1514852

MUNICIPALITY 15701

CON. NO. 15

COUNTY OR DISTRICT: Carleton Place TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: Richmond CON., BLOCK, TRACT, SURVEY, ETC.: Fortune St. 98

ADDRESS: Richmond Ont. DATE COMPLETED: DAY 13 MO. 06 YR. 75

HING: 5003450 RC: 4 ELEVATION: 310 RC: 4 BASIN CODE: 26 II: 4 III: 26 IV: 303

### LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
<u>grey</u>	<u>clay</u>			<u>0</u>	<u>15</u>
<u>grey</u>	<u>limestone</u>			<u>15</u>	<u>75</u>

31 0015205 0075215

**41 WATER RECORD**

WATER FOUND AT - FEET	KIND OF WATER
<u>0072</u> 10-13	1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
15-18	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
20-23	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
25-28	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
30-33	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL

**51 CASING & OPEN HOLE RECORD**

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
<u>06</u>	1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE	<u>188</u>	<u>0</u>	<u>27</u>
	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE			<u>20-23</u>
	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE			<u>27-30</u>

**SCREEN**

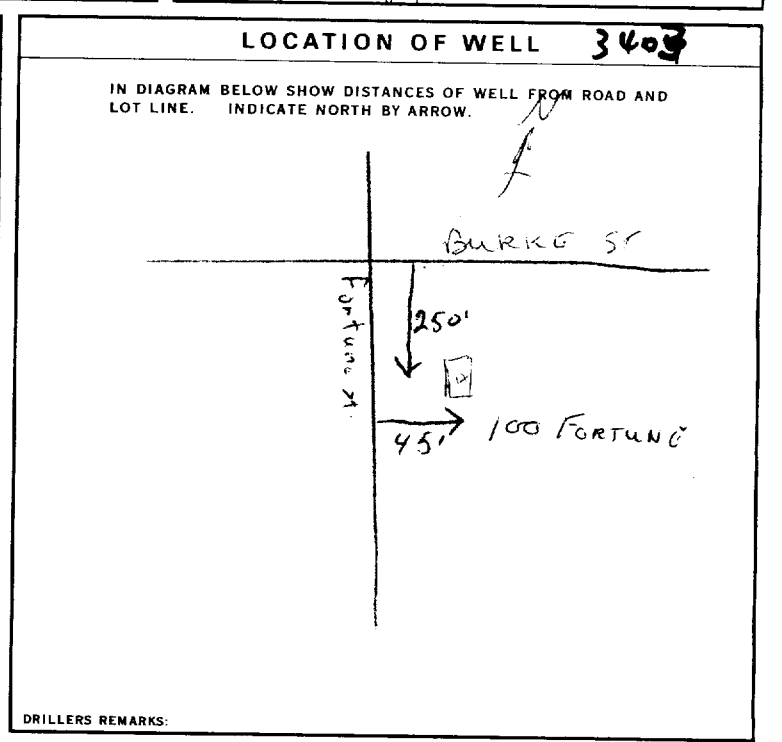
SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET
MATERIAL AND TYPE		DEPTH TO TOP OF SCREEN 41-44 80 FEET

**61 PLUGGING & SEALING RECORD**

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

**71 PUMPING TEST**

PUMPING TEST METHOD: 1 <input checked="" type="checkbox"/> PUMP 2 <input type="checkbox"/> BAILER	PUMPING RATE: <u>0004</u> GPM	DURATION OF PUMPING: 15-16 HOURS <u>01</u> 17-18 MINS <u>00</u>
STATIC LEVEL: <u>006</u> FEET	WATER LEVEL END OF PUMPING: <u>030</u> FEET	WATER LEVELS DURING PUMPING:
		15 MINUTES: <u>030</u> 30 MINUTES: <u>030</u> 45 MINUTES: <u>030</u> 60 MINUTES: <u>030</u>
IF FLOWING, GIVE RATE: _____ GPM	PUMP INTAKE SET AT: _____ FEET	WATER AT END OF TEST: 1 <input type="checkbox"/> CLEAR 2 <input checked="" type="checkbox"/> CLOUDY
RECOMMENDED PUMP TYPE: <input checked="" type="checkbox"/> SHALLOW <input type="checkbox"/> DEEP	RECOMMENDED PUMP SETTING: <u>030</u> FEET	RECOMMENDED PUMPING RATE: <u>0003</u> GPM



**FINAL STATUS OF WELL**

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

**WATER USE**

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

**METHOD OF DRILLING**

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

**CONTRACTOR**

NAME OF WELL CONTRACTOR: Henry Mains Well Drilling LICENCE NUMBER: 3644  
ADDRESS: Box 326, Richmond Ont.  
NAME OF DRILLER OR BORER: Henry Mains LICENCE NUMBER: \_\_\_\_\_  
SIGNATURE OF CONTRACTOR: \_\_\_\_\_ SUBMISSION DATE: DAY 19 MO. 6 YR. 75

**OFFICE USE ONLY**

DATA SOURCE: 1 CONTRACTOR: 3644 DATE RECEIVED: 150875  
DATE OF INSPECTION: \_\_\_\_\_ INSPECTOR: P/R. Deyle/m  
REMARKS: \_\_\_\_\_  
P  
WI



Ontario

# WATER WELL RECORD

316/4F

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

11

1515285

MUNICIPALITY 15701

CON.

COUNTY OR DISTRICT <b>Carleton</b>	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE <b>Richmond</b>	CON. BLOCK, TRACT, SURVEY, ETC. <b>III</b>	LOT <b>25-27</b>
OWNER (SURNAME FIRST) <b>Walter Hardkve Const.</b>	ADDRESS <b>Richmond, Ontario</b>	DATE COMPLETED DAY <b>23</b> MO <b>03</b> YR <b>76</b>	

ZONE EASTING NORTHING RC. ELEVATION RC. BASIN CODE II III IV  
 1515285 18 434171 5003395 4 308 4 26 JUN 28, 1977 300

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
brown	sand		loose	0	2
brown	sand	boulders	loose	2	10
grey	hardpan		packed	10	15
grey	limestone		medium hard	15	115

31 000262877 00106281377 001521479 011521573  
 32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0065	1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
0113	1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
64	1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input checked="" type="checkbox"/> OPEN HOLE	188	0	0025
06	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input checked="" type="checkbox"/> OPEN HOLE		25	115
06	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input checked="" type="checkbox"/> OPEN HOLE			0115

SCREEN

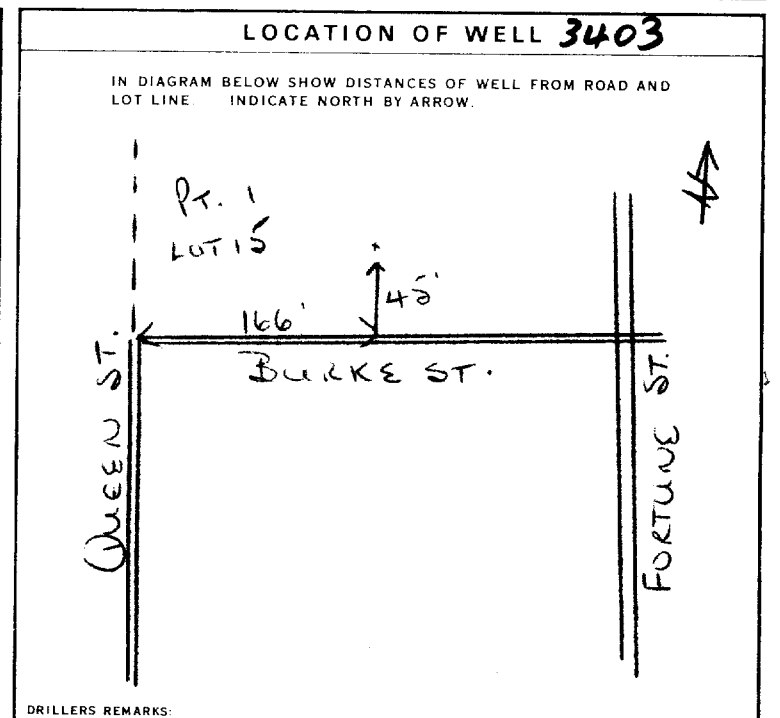
SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
	INCHES	FEET
MATERIAL AND TYPE		DEPTH TO TOP OF SCREEN
		FEET

61 PLUGGING & SEALING RECORD

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

71 PUMPING TEST

PUMPING TEST METHOD 1 <input checked="" type="checkbox"/> PUMP 2 <input type="checkbox"/> BAILER	PUMPING RATE 2009 GPM	DURATION OF PUMPING 01 HOURS 00 MINS
STATIC LEVEL 015 FEET	WATER LEVEL END OF PUMPING 075 FEET	WATER LEVELS DURING
19-21	22-24	15 MINUTES 075 FEET
26-28	29-31	075 FEET
32-34	35-37	075 FEET
IF FLOWING GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
	100 FEET	1 <input checked="" type="checkbox"/> CLEAR 2 <input type="checkbox"/> CLOUDY
RECOMMENDED PUMP TYPE <input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/> DEEP	RECOMMENDED PUMP SETTING 100 FEET	RECOMMENDED PUMPING RATE 005 GPM



FINAL STATUS OF WELL 1

WATER USE 01

METHOD OF DRILLING 5

CONTRACTOR

NAME OF WELL CONTRACTOR: Capital Water Supply Ltd. LICENCE NUMBER: 1558

ADDRESS: Box 490 Stittsville, Ontario

NAME OF DRILLER OR BORER: D. McDougall

SIGNATURE OF CONTRACTOR: [Signature]

SUBMISSION DATE: DAY 26 MO 3 YR 76

OFFICE USE ONLY

DATA SOURCE: 1 CONTRACTOR: 1558 DATE RECEIVED: 130476

DATE OF INSPECTION: June 16, 1976 INSPECTOR: [Signature]

REMARKS: [Signature]

P [Signature]

WI



Ontario

# WATER WELL RECORD

31 6/4F

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

11

1515286

MUNICIPALITY: 15701

CON.

COUNTY OR DISTRICT <b>Carleton</b>	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE <b>Richmond</b>	CON., BLOCK, TRACT, SURVEY, ETC. <b>III</b>	LOT <b>527</b>
OWNER (SURNAME FIRST) <b>Walter Hardkye Const.</b>	ADDRESS <b>Richmond, Ontario</b>	DATE COMPLETED DAY <b>24</b> MO <b>03</b> YR <b>76</b>	

ZONE <b>1515286</b>	EASTING <b>18</b>	NORTHING <b>434193</b>	RC <b>5003418</b>	ELEVATION <b>4</b>	RC <b>308</b>	BASIN CODE <b>4</b>	DATE <b>26</b>	DATE <b>JUN 28, 1977</b>	DATE <b>300</b>
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### LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
brown	sand	stones	loose	0	2
brown	clay	boulders		2	8
grey	limestone		medium hard	8	125

31	00026281277	000860513	012521573
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**41 WATER RECORD**

WATER FOUND AT - FEET	KIND OF WATER
0045	1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
0124	1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL

**51 CASING & OPEN HOLE RECORD**

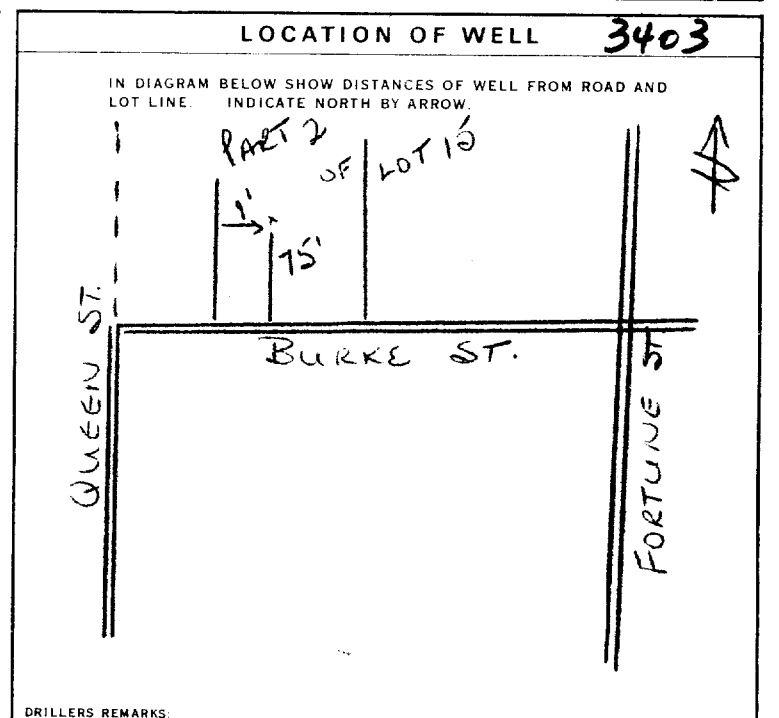
INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
6 1/2	1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE	188	0	0025
6	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input checked="" type="checkbox"/> OPEN HOLE		25	125
6	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input checked="" type="checkbox"/> OPEN HOLE			0125

**61 PLUGGING & SEALING RECORD**

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

**71 PUMPING TEST**

PUMPING TEST METHOD 1 <input checked="" type="checkbox"/> PUMP 2 <input type="checkbox"/> BAILER	PUMPING RATE 0012 GPM	DURATION OF PUMPING 01 HOURS 00 MINS
STATIC LEVEL 010 FEET	WATER LEVEL END OF PUMPING 025 FEET	WATER LEVELS DURING 15 MINUTES: 025 FEET 30 MINUTES: 025 FEET 45 MINUTES: 025 FEET 60 MINUTES: 025 FEET
IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
RECOMMENDED PUMP TYPE 1 <input checked="" type="checkbox"/> SHALLOW 2 <input type="checkbox"/> DEEP	RECOMMENDED PUMP SETTING 030 FEET	RECOMMENDED PUMPING RATE 0005 GPM



**FINAL STATUS OF WELL**

1  WATER SUPPLY  
2  OBSERVATION WELL  
3  TEST HOLE  
4  RECHARGE WELL

5  ABANDONED, INSUFFICIENT SUPPLY  
6  ABANDONED POOR QUALITY  
7  UNFINISHED

**WATER USE**

1  DOMESTIC  
2  STOCK  
3  IRRIGATION  
4  INDUSTRIAL  
5  OTHER

6  COMMERCIAL  
7  MUNICIPAL  
8  PUBLIC SUPPLY  
9  COOLING OR AIR CONDITIONING  
10  NOT USED

**METHOD OF DRILLING**

1  CABLE TOOL  
2  ROTARY (CONVENTIONAL)  
3  ROTARY (REVERSE)  
4  ROTARY (AIR)  
5  AIR PERCUSSION

6  BORING  
7  DIAMOND  
8  JETTING  
9  DRIVING

**CONTRACTOR**

NAME OF WELL CONTRACTOR: **Capital Water Supply Ltd.** LICENCE NUMBER: **1558**

ADDRESS: **Box 490 Stittville, Ontario**

NAME OF DRILLER OR BORER: **D. McDougall** LICENCE NUMBER: \_\_\_\_\_

SIGNATURE OF CONTRACTOR: *Walter Karanagh* SUBMISSION DATE: DAY **26** MO **3** YR **76**

**OFFICE USE ONLY**

DATA SOURCE: **1** CONTRACTOR: **1558** DATE RECEIVED: **30476**

DATE OF INSPECTION: *June 16, 1976* INSPECTOR: *P. Pentney*

REMARKS: \_\_\_\_\_

P *QEP*  
WI



Ontario

# WATER WELL RECORD

31 G/4F

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

11

1515320

MUNICIPALITY 15701

CON. 10 14 15 22 23 24

COUNTY OR DISTRICT Carleton TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE Richmond CON., BLOCK, TRACT, SURVEY, ETC. Bunker St LOT 25-27

OWNER (SURNAME, FIRST) Richmond DATE COMPLETED DAY 27 MO. 04 YR. 76

ING 003441 RC. 4 ELEVATION 308 RC. 4 BASIN CODE 26 II JUN 28, 1977 III 300 IV

### LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
grey	clay	stone		0	10
grey	limestone			10	122
white	quartz			122	125

31 001020512 0122215 0125146

**41 WATER RECORD**

WATER FOUND AT - FEET	KIND OF WATER
0/24	1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
15-18	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
20-23	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
25-28	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
30-33	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL

**51 CASING & OPEN HOLE RECORD**

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET
			FROM TO
6 1/2	1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE	1/8	0 25
	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE		20-23
	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE		27-30

**SCREEN**

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

**61 PLUGGING & SEALING RECORD**

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

**71 PUMPING TEST**

PUMPING TEST METHOD: 1  PUMP 2  BAILER

PUMPING RATE: 0008 GPM

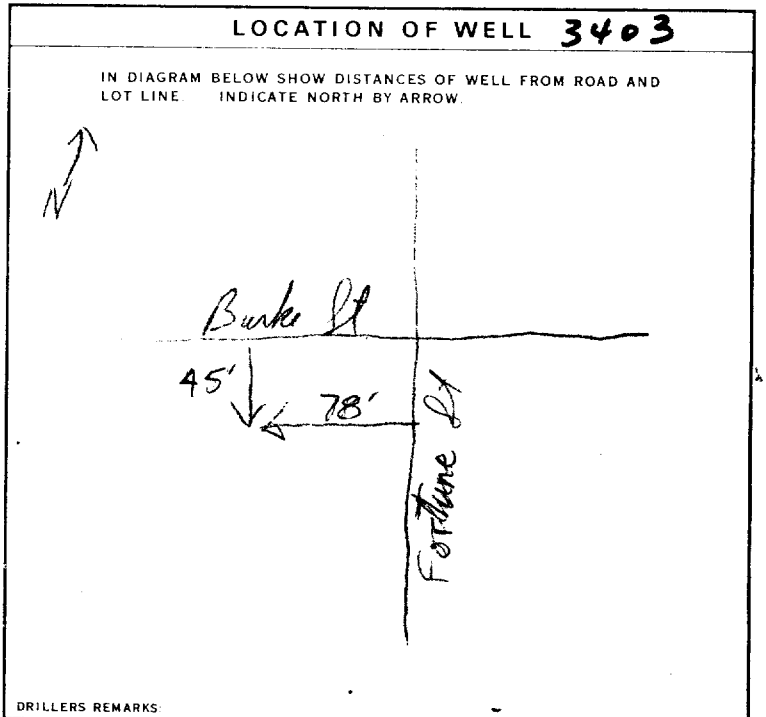
DURATION OF PUMPING: 01 00 HOURS 17-18 MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING
0/15	050	15 MINUTES: 050 30 MINUTES: 050 45 MINUTES: 050 60 MINUTES: 050

RECOMMENDED PUMP TYPE:  SHALLOW  DEEP

RECOMMENDED PUMP SETTING: 050 FEET

RECOMMENDED PUMPING RATE: 0005 GPM



**FINAL STATUS OF WELL** 1

**WATER USE** 01

**METHOD OF DRILLING** 5

**CONTRACTOR**

NAME OF WELL CONTRACTOR: Henry Mann Well Drilling LICENCE NUMBER: 3644

ADDRESS: Box 326, Richmond Ont

NAME OF DRILLER OR BORER: [Signature] LICENCE NUMBER: [Blank]

SIGNATURE OF CONTRACTOR: [Signature] SUBMISSION DATE: DAY 29 MO. 4 YR. 76

**OFFICE USE ONLY**

DATA SOURCE: 1 CONTRACTOR: 3644 DATE RECEIVED: 060576

DATE OF INSPECTION: June 16, 1976 INSPECTOR: [Signature]

REMARKS: [Blank]

P [Signature]

WI





Ontario

# WATER WELL RECORD

31/6/48

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

11

1515370

MUNICIPALITY 15701

CON. CON

03

COUNTY OR DISTRICT <b>Carleton</b>	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE <b>Richmond</b>	CON., BLOCK, TRACT, SURVEY, ETC. <b>023</b>	LOT <b>023</b>
OWNER (SURNAME FIRST) <b>Walter Hardkye Constr.</b>	ADDRESS <b>Richmond, Ontario</b>	DATE COMPLETED DAY <b>12</b> MO <b>05</b> YR <b>76</b>	

ZONE <b>18</b>	EASTING <b>434299</b>	NORTHING <b>5003499</b>	RC <b>4</b>	ELEVATION <b>031.0</b>	RC <b>4</b>	BASIN CODE <b>26</b>	II	III	IV
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LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)					
GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
		<b>previously drilled</b>		<b>0</b>	<b>115</b>
<b>grey</b>	<b>limastone</b>			<b>115</b>	<b>147</b>

31	0115 24	0147 26
32		

WATER RECORD			
WATER FOUND AT - FEET	KIND OF WATER		
10-13 <b>0065</b>	1 <input checked="" type="checkbox"/> FRESH 2 <input type="checkbox"/> SALTY	3 <input type="checkbox"/> SULPHUR 4 <input type="checkbox"/> MINERAL	14
15-18 <b>0113</b>	1 <input checked="" type="checkbox"/> FRESH 2 <input type="checkbox"/> SALTY	3 <input type="checkbox"/> SULPHUR 4 <input type="checkbox"/> MINERAL	19
20-23 <b>0140</b>	1 <input checked="" type="checkbox"/> FRESH 2 <input type="checkbox"/> SALTY	3 <input type="checkbox"/> SULPHUR 4 <input type="checkbox"/> MINERAL	24
25-28	1 <input type="checkbox"/> FRESH 2 <input type="checkbox"/> SALTY	3 <input type="checkbox"/> SULPHUR 4 <input type="checkbox"/> MINERAL	29
30-33	1 <input type="checkbox"/> FRESH 2 <input type="checkbox"/> SALTY	3 <input type="checkbox"/> SULPHUR 4 <input type="checkbox"/> MINERAL	34-60

CASING & OPEN HOLE RECORD				
DEPTH - FEET	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
10-11 <b>61</b>	1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE	<b>188</b>	<b>0</b>	<b>0025</b>
17-18 <b>06</b>	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input checked="" type="checkbox"/> OPEN HOLE		<b>25</b>	<b>115</b>
24-25 <b>06</b>	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input checked="" type="checkbox"/> OPEN HOLE		<b>115</b>	<b>147</b>
27-30 <b>05</b>	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input checked="" type="checkbox"/> OPEN HOLE			<b>0147</b>

SCREEN			
SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH	
	INCHES	FEET	
			DEPTH TO TOP OF SCREEN 41-44 80 FEET

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

PUMPING TEST METHOD		PUMPING RATE	DURATION OF PUMPING
1 <input type="checkbox"/> PUMP 2 <input checked="" type="checkbox"/> BAILER		<b>0040</b> GPM	<b>01</b> HOURS <b>00</b> MINS

PUMPING TEST		WATER LEVELS DURING				PUMPING	
STATIC LEVEL	WATER LEVEL END OF PUMPING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES	1	2
		26-28	29-31	32-34	35-37	<input checked="" type="checkbox"/> PUMPING	<input type="checkbox"/> RECOVERY
<b>002</b> FEET	<b>020</b> FEET	<b>020</b> FEET	<b>020</b> FEET	<b>020</b> FEET	<b>020</b> FEET		

RECOMMENDED PUMP TYPE		RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
1 <input checked="" type="checkbox"/> SHALLOW 2 <input type="checkbox"/> DEEP		<b>030</b> FEET	<b>0005</b> GPM

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

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

NAME OF WELL CONTRACTOR <b>Capital Water Supply Ltd.</b>	LICENCE NUMBER <b>1558</b>
ADDRESS <b>Box 490 Stittville, Ontario</b>	
NAME OF DRILLER OR BORER <b>M. Kavanagh</b>	LICENCE NUMBER
SIGNATURE OF CONTRACTOR <i>M. Kavanagh</i>	SUBMISSION DATE DAY <b>13</b> MO <b>5</b> YR <b>76</b>

DATA SOURCE <b>1</b>	CONTRACTOR <b>1558</b>	DRILLER <b>090676</b>
DATE OF INSPECTION <b>Aug 18/76</b>	INSPECTOR <i>DE Hartung</i>	
REMARKS [REDACTED]		P [Signature] WI



Ontario

# WATER WELL RECORD

31 G/4f

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

11

1515512

MUNICIPALITY 15704

CON. CPN

03

COUNTY OR DISTRICT: **Carleton** TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: **Goulburn (Richmond)** CON. BLOCK, TRACT, SURVEY, ETC.: **East Fortune 3**

DATE COMPLETED: DAY **12** MO **07** YR **76**

ADDRESS: **Biscayne Cres. Ottawa, Ontario**

### LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
brown	sand	gravel	loose	0	15
grey	limestone		broken	15	23
grey	limestone		23	23	73

31 0015628/1177 002321571 0073215

32

**41 WATER RECORD**

WATER FOUND AT - FEET	KIND OF WATER
0070	1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
15-18	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
20-23	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
25-28	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
30-33	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL

**51 CASING & OPEN HOLE RECORD**

WELLSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
6 1/8	1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input checked="" type="checkbox"/> OPEN HOLE	188	0	0025
5 7/8	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input checked="" type="checkbox"/> OPEN HOLE		25	73
06	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE			0073

**61 PLUGGING & SEALING RECORD**

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

**71 PUMPING TEST**

PUMPING TEST METHOD: 1  PUMP 2  BAILER

PUMPING RATE: 0015 GPM

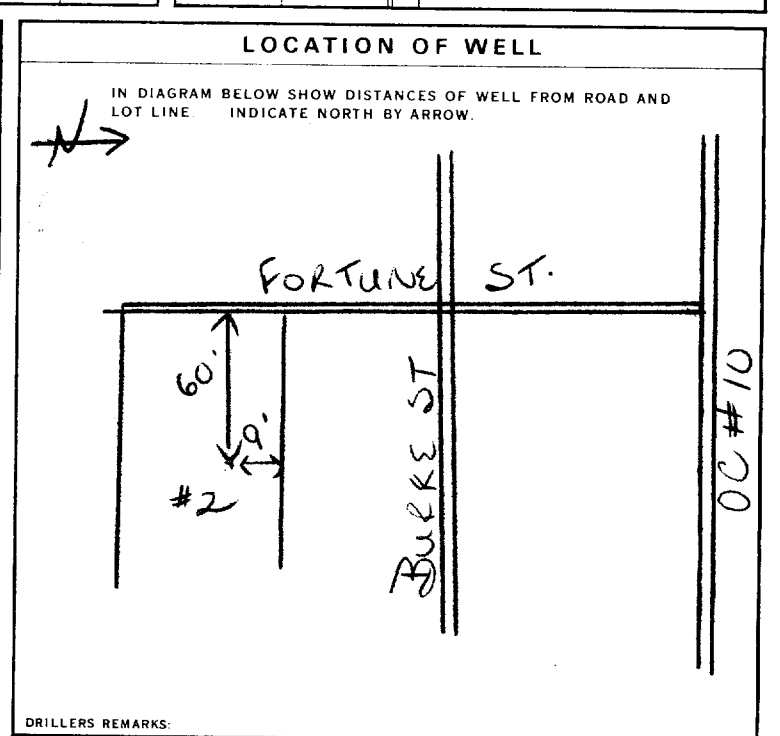
DURATION OF PUMPING: 01 HOURS 00 MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING			
FEET	FEET	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
004	030	030	030	030	030

RECOMMENDED PUMP TYPE:  SHALLOW  DEEP

RECOMMENDED PUMP SETTING: 040 FEET

RECOMMENDED PUMPING RATE: 0005 GPM



**FINAL STATUS OF WELL**

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

**WATER USE**

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

**METHOD OF DRILLING**

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

**CONTRACTOR**

NAME OF WELL CONTRACTOR: **Capital Water Supply Ltd.** LICENCE NUMBER: **1558**

ADDRESS: **Box 490 St. Catharines Ontario**

NAME OF DRILLER OR BORER: **D. M. Dougall** LICENCE NUMBER: **2-9**

ADDRESS: **Box 490 St. Catharines Ontario**

SIGNATURE OF CONTRACTOR: *[Signature]* SUBMISSION DATE: DAY **13** MO **7** YR **76**

**OFFICE USE ONLY**

DATA SOURCE: **1** CONTRACTOR: **1558** DATE RECEIVED: **090876**

DATE OF INSPECTION: **17/6/77** INSPECTOR: **PH**

REMARKS:

P

WI



# WATER WELL RECORD

316/4f

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

11 1515513

MUNICIPALITY 15704 CON. CEN

03

COUNTY OR DISTRICT <b>Carleton</b>	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE <b>Goulburn (Richmond)</b>	CON. BLOCK, TRACT, SURVEY, ETC. <b>East Fortune 3</b>	DATE COMPLETED DAY 12 MO 07 YR 76
ADDRESS <b>Biscayne Cres. Ottawa, Ontario</b>			DATE COMPLETED DAY 12 MO 07 YR 76
PHONE NO. <b>003370 4</b>	ELEVATION <b>0308 4</b>	GRID CODE <b>26</b>	

## LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
brown	sand & gravel			0	13
grey	limestone		broken	13	22
grey	limestone			22	98

31 0013628/11 002221571 0098215

32

### 41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0095 10-13	1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
15-18	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
20-23	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
25-28	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
30-33	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL

### 51 CASING & OPEN HOLE RECORD

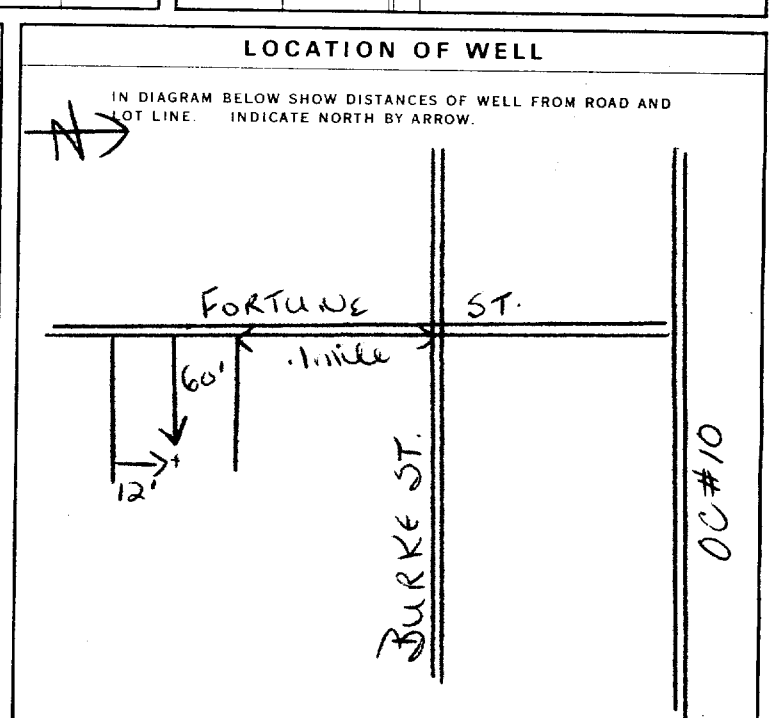
INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET
			FROM TO
0.6	1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input checked="" type="checkbox"/> OPEN HOLE	188	0 0025
0.6	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input checked="" type="checkbox"/> OPEN HOLE		25 98

### 61 PLUGGING & SEALING RECORD

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

### 71 PUMPING TEST

PUMPING TEST METHOD 1 <input checked="" type="checkbox"/> PUMP 2 <input type="checkbox"/> BAILER	PUMPING RATE 0010 GPM	DURATION OF PUMPING 15-16 HOURS 00 17-18 MINS
STATIC LEVEL 010 FEET	WATER LEVEL END OF PUMPING 025 FEET	WATER LEVELS DURING PUMPING 15 MINUTES 025 FEET 30 MINUTES 025 FEET 45 MINUTES 025 FEET 60 MINUTES 025 FEET
RECOMMENDED PUMP TYPE <input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/> DEEP	RECOMMENDED PUMP SETTING 035 FEET	RECOMMENDED PUMPING RATE 0005 GPM



### FINAL STATUS OF WELL

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

### WATER USE

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

### METHOD OF DRILLING

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

### CONTRACTOR

NAME OF WELL CONTRACTOR: **Capital Water Supply Ltd.** LICENCE NUMBER: **1558**  
ADDRESS: **Box 49 Stittville Ontario**  
NAME OF DRILLER: **D. C. Hall** LICENCE NUMBER: **2-9**  
SIGNATURE OF CONTRACTOR: *[Signature]* SUBMISSION DATE: DAY 13 MO 7 YR 76

### OFFICE USE ONLY

DATA SOURCE: **1** CONTRACTOR: **1558** DATE RECEIVED: **090876**  
DATE OF INSPECTION: **17/6/77** INSPECTOR: *[Signature]*  
REMARKS: **P**  
**WI**



Ontario

# WATER WELL RECORD

31648

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

11 1516959

15701 CON

COUNTY OR DISTRICT: Carleton Place TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: Richmond Hill CON., BLOCK, TRACT, SURVEY, ETC.: Ottawa St

DATE COMPLETED: 03 05 YR. 79

GRID: 03299 4 0310 4 26

## LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
<u>grey</u>	<u>clay</u>	<u>stones</u>		<u>0</u>	<u>23</u>
<u>grey</u>	<u>limestone</u>			<u>23</u>	<u>125</u>

31 002320512 0125215

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER			
10-13	1 <input checked="" type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR		
	2 <input type="checkbox"/> SALTY	4 <input type="checkbox"/> MINERAL		
15-18	1 <input checked="" type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR		
	2 <input type="checkbox"/> SALTY	4 <input type="checkbox"/> MINERAL		
20-23	1 <input type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR		
	2 <input type="checkbox"/> SALTY	4 <input type="checkbox"/> MINERAL		
25-28	1 <input type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR		
	2 <input type="checkbox"/> SALTY	4 <input type="checkbox"/> MINERAL		
30-33	1 <input type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR		
	2 <input type="checkbox"/> SALTY	4 <input type="checkbox"/> MINERAL		

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
10-11	1 <input checked="" type="checkbox"/> STEEL		FROM	TO
	2 <input type="checkbox"/> GALVANIZED			
	3 <input type="checkbox"/> CONCRETE			
	4 <input type="checkbox"/> OPEN HOLE			
17-18	1 <input type="checkbox"/> STEEL			20-23
	2 <input type="checkbox"/> GALVANIZED			
	3 <input type="checkbox"/> CONCRETE			
	4 <input type="checkbox"/> OPEN HOLE			
24-25	1 <input type="checkbox"/> STEEL			27-30
	2 <input type="checkbox"/> GALVANIZED			
	3 <input type="checkbox"/> CONCRETE			
	4 <input type="checkbox"/> OPEN HOLE			

SCREEN

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

61 PLUGGING & SEALING RECORD

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

71 PUMPING TEST METHOD

1  PUMP 2  BAILER

10 PUMPING RATE: 00/0

11-14 DURATION OF PUMPING: 0 HOURS 00 MINS

15-16 PUMPING: 0 HOURS 00 MINS

17-18 RECOVERY

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING PUMPING					
19-21	22-24	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES		
<u>002</u>	<u>025</u>	<u>025</u>	<u>025</u>	<u>025</u>	<u>025</u>	<u>025</u>	<u>025</u>
FEET	FEET	FEET	FEET	FEET	FEET	FEET	FEET

IF FLOWING, GIVE RATE: \_\_\_\_\_ GPM

PUMP INTAKE SET AT: \_\_\_\_\_ FEET

WATER AT END OF TEST: \_\_\_\_\_ FEET

1  CLEAR 2  CLOUDY

RECOMMENDED PUMP TYPE:  SHALLOW  DEEP

RECOMMENDED PUMP SETTING: 025 FEET

RECOMMENDED PUMPING RATE: 00/0 GPM

LOCATION OF WELL

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

DRILLERS REMARKS:

54 FINAL STATUS OF WELL: 1  WATER SUPPLY

2  OBSERVATION WELL 5  ABANDONED, INSUFFICIENT SUPPLY

3  TEST HOLE 6  ABANDONED, POOR QUALITY

4  RECHARGE WELL 7  UNFINISHED

55-56 WATER USE: 1  DOMESTIC

2  STOCK 5  COMMERCIAL

3  IRRIGATION 6  MUNICIPAL

4  INDUSTRIAL 7  PUBLIC SUPPLY

8  COOLING OR AIR CONDITIONING

9  NOT USED

57 METHOD OF DRILLING: 1  CABLE TOOL

2  ROTARY (CONVENTIONAL) 6  BORING

3  ROTARY (REVERSE) 7  DIAMOND

4  ROTARY (AIR) 8  JETTING

5  AIR PERCUSSION 9  DRIVING

CONTRACTOR: Denny Maine Well Drilling LICENCE NUMBER: 3644

ADDRESS: Box 326, Richmond Ont.

NAME OF DRILLER OR BORER: Denny Maine LICENCE NUMBER: \_\_\_\_\_

SIGNATURE OF CONTRACTOR: \_\_\_\_\_ SUBMISSION DATE: DAY 3 MO. 5 YR. 79

OFFICE USE ONLY

DATA SOURCE: 1 CONTRACTOR: 3644 DATE RECEIVED: 28 05 79

DATE OF INSPECTION: \_\_\_\_\_ INSPECTOR: KM

REMARKS: \_\_\_\_\_

P

WI



# WATER WELL RECORD

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

11 1517257

MUNICIPALITY 15701 CON. COM 02

COUNTY OR DISTRICT: [REDACTED] TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: **Goulbourn** CON. BLOCK, TRACT, SURVEY ETC: **Conc. 2** LOT: **5-023**

DATE COMPLETED: DAY **14** MO **08** YR **79**

THING: **003299** RC: **4** ELEVATION: **0310** RC: **4** BASIN CODE: **26**

### LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
<b>Brown</b>	<b>Hardpan</b>	<b>Boulder</b>		<b>0</b>	<b>5</b>
<b>Gray</b>	<b>Limestone</b>			<b>5</b>	<b>38</b>



31 00056/4/13 00382/5

32

**41 WATER RECORD**

WATER FOUND AT - FEET	KIND OF WATER
10-13	<input checked="" type="checkbox"/> FRESH <input type="checkbox"/> SULPHUR <input type="checkbox"/> SALTY <input type="checkbox"/> MINERAL
15-18	<input type="checkbox"/> FRESH <input type="checkbox"/> SULPHUR <input type="checkbox"/> SALTY <input type="checkbox"/> MINERAL
20-23	<input type="checkbox"/> FRESH <input type="checkbox"/> SULPHUR <input type="checkbox"/> SALTY <input type="checkbox"/> MINERAL
25-28	<input type="checkbox"/> FRESH <input type="checkbox"/> SULPHUR <input type="checkbox"/> SALTY <input type="checkbox"/> MINERAL
30-33	<input type="checkbox"/> FRESH <input type="checkbox"/> SULPHUR <input type="checkbox"/> SALTY <input type="checkbox"/> MINERAL

**51 CASING & OPEN HOLE RECORD**

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
<b>06 4</b>	<input checked="" type="checkbox"/> STEEL <input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input type="checkbox"/> OPEN HOLE	<b>188</b>	<b>0</b>	<b>022</b>
<b>06 5 12 16</b>	<input type="checkbox"/> STEEL <input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input checked="" type="checkbox"/> OPEN HOLE		<b>22</b>	<b>0038</b>
	<input type="checkbox"/> STEEL <input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input type="checkbox"/> OPEN HOLE			

**SCREEN**

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

**61 PLUGGING & SEALING RECORD**

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

**71 PUMPING TEST**

PUMPING TEST METHOD:  PUMP  BAILER

PUMPING RATE: **0030** GPM

DURATION OF PUMPING: **01** HOURS **00** MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING PUMPING			
19-21	22-24	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
<b>015</b> FEET	<b>025</b> FEET	<b>025</b> FEET	<b>025</b> FEET	<b>025</b> FEET	<b>025</b> FEET

IF FLOWING, GIVE RATE: \_\_\_\_\_ GPM

PUMP INTAKE SET AT: \_\_\_\_\_ FEET

WATER AT END OF TEST:  CLEAR  CLOUDY

RECOMMENDED PUMP TYPE:  SHALLOW  DEEP

RECOMMENDED PUMP SETTING: **030** FEET

RECOMMENDED PUMPING RATE: **0005** GPM

**FINAL STATUS OF WELL**

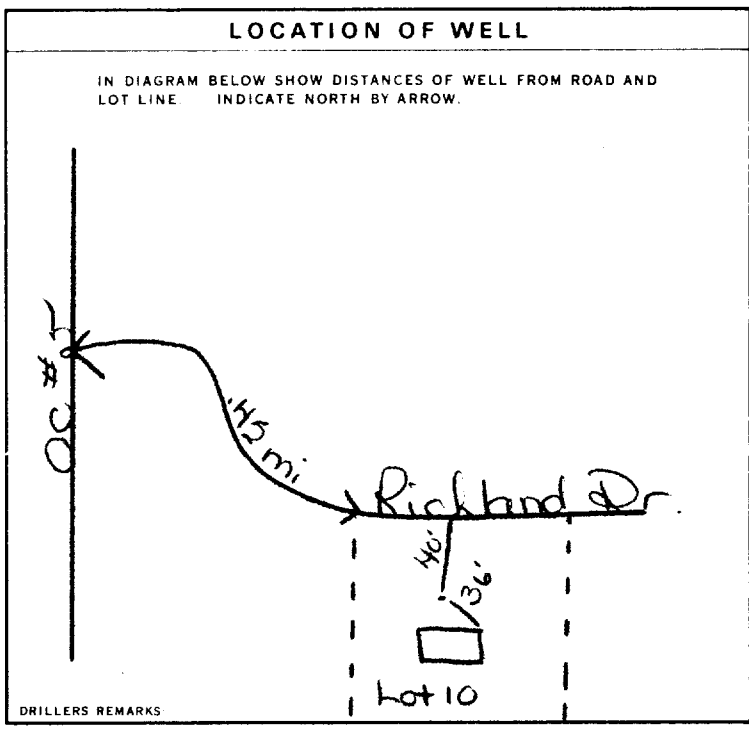
WATER SUPPLY  ABANDONED, INSUFFICIENT SUPPLY  
 OBSERVATION WELL  ABANDONED, POOR QUALITY  
 TEST HOLE  UNFINISHED  
 RECHARGE WELL

**WATER USE**

DOMESTIC  COMMERCIAL  
 STOCK  MUNICIPAL  
 IRRIGATION  PUBLIC SUPPLY  
 INDUSTRIAL  COOLING OR AIR CONDITIONING  
 OTHER  NOT USED

**METHOD OF DRILLING**

CABLE TOOL  BORING  
 ROTARY (CONVENTIONAL)  DIAMOND  
 ROTARY (REVERSE)  JETTING  
 ROTARY (AIR)  DRIVING  
 AIR PERCUSSION



**CONTRACTOR**

NAME OF WELL CONTRACTOR: **Capital Water Supply Ltd.** LICENCE NUMBER: **1558**

ADDRESS: **Box 890, Stittsville, Ontario K0A 3G0**

NAME OF DRILLER OR BORER: **S. Miller** LICENCE NUMBER: \_\_\_\_\_

SIGNATURE OF CONTRACTOR: *[Signature]* SUBMISSION DATE: DAY **15** MO **08** YR **79**

**OFFICE USE ONLY**

DATA SOURCE: **1** CONTRACTOR: **1558** DATE RECEIVED: **14 02 80**

DATE OF INSPECTION: \_\_\_\_\_ INSPECTOR: *[Signature]*

REMARKS: \_\_\_\_\_



# The Ontario Water Resources Act WATER WELL RECORD

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

11 1517321

MUNICIPALITY: 15003 CON. NO.: CON

COUNTY OR DISTRICT: Carleton TOWNSHIP: Goulbourn CON. BLOCK, TRACT, SURVEY, ETC.: Con 2. LOT: 021

RICHMOND ONT. DATE COMPLETED: 30 06 80

WELL NO.: 002699 RC: 4 ELEVATION: 031.0 RC: 4 BASIN CODE: 26

### LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
grey	sand			0	5
grey	limestone			5	84



31 0005228 0084215

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER			
0045	<input checked="" type="checkbox"/> FRESH	<input type="checkbox"/> SALTY	<input type="checkbox"/> SULPHUR	<input type="checkbox"/> MINERAL
0080	<input checked="" type="checkbox"/> FRESH	<input type="checkbox"/> SALTY	<input type="checkbox"/> SULPHUR	<input type="checkbox"/> MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
6.5	STEEL	1.88	0	20

SCREEN

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

61 PLUGGING & SEALING RECORD

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

71 PUMPING TEST

PUMPING TEST METHOD:  PUMP  BAILER

PUMPING RATE: 00/0 GPM

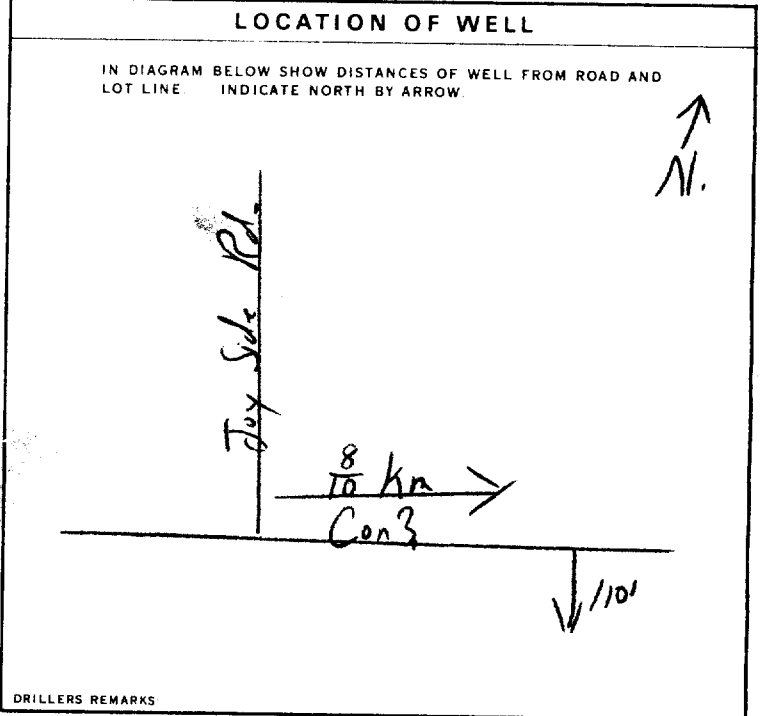
DURATION OF PUMPING: 01 00 HOURS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING PUMPING					
0/0	080	15 MINUTES: 080	30 MINUTES: 080	45 MINUTES: 080	60 MINUTES: 080	75 MINUTES: 080	90 MINUTES: 080

RECOMMENDED PUMP TYPE:  SHALLOW  DEEP

RECOMMENDED PUMP SETTING: 080 FEET

RECOMMENDED PUMPING RATE: 0008 GPM



FINAL STATUS OF WELL: 1

WATER USE: 06

METHOD OF DRILLING: 5

CONTRACTOR: Denny Mains Well Drilling

ADDRESS: Box 326, Richmond Ont.

SIGNATURE OF CONTRACTOR: Denny Mains

SUBMISSION DATE: 30 06 80

OFFICE USE ONLY

CONTRACTOR: 3644

DATE RECEIVED: 110780

INSPECTOR: K

# WATER WELL RECORD

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

11

1517691

MUNICIPALITY 15.701

CON. 03

0.3

COUNTY OR DISTRICT: Carleton Place TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: Richmond CON. BLOCK TRACT, SURVEY, ETC.: Ottawa St 623 LOT: 748  
Richmond Ont. DATE COMPLETED: DAY 23 MO 11 YR 81  
 DISTRICT: 003299 RC: 4 ELEVATION: 0310 RC: 4 BASIN CODE: 26

## LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
grey	clay	stones		0	27
grey	limestone			27	125

31 002720512 0125215

### 41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER			
10-13 <u>0120</u>	1 <input checked="" type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR	2 <input type="checkbox"/> SALTY	4 <input type="checkbox"/> MINERAL
15-18	1 <input type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR	2 <input type="checkbox"/> SALTY	4 <input type="checkbox"/> MINERAL
20-23	1 <input type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR	2 <input type="checkbox"/> SALTY	4 <input type="checkbox"/> MINERAL
25-28	1 <input type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR	2 <input type="checkbox"/> SALTY	4 <input type="checkbox"/> MINERAL
30-33	1 <input type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR	2 <input type="checkbox"/> SALTY	4 <input type="checkbox"/> MINERAL

### 51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET
<u>96</u>	1 <input checked="" type="checkbox"/> STEEL	<u>188</u>	<u>0 to 30</u>
<u>64</u>	2 <input type="checkbox"/> GALVANIZED		
	3 <input type="checkbox"/> CONCRETE		
	4 <input type="checkbox"/> OPEN HOLE		

### SCREEN

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

### 61 PLUGGING & SEALING RECORD

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

### 71 PUMPING TEST METHOD

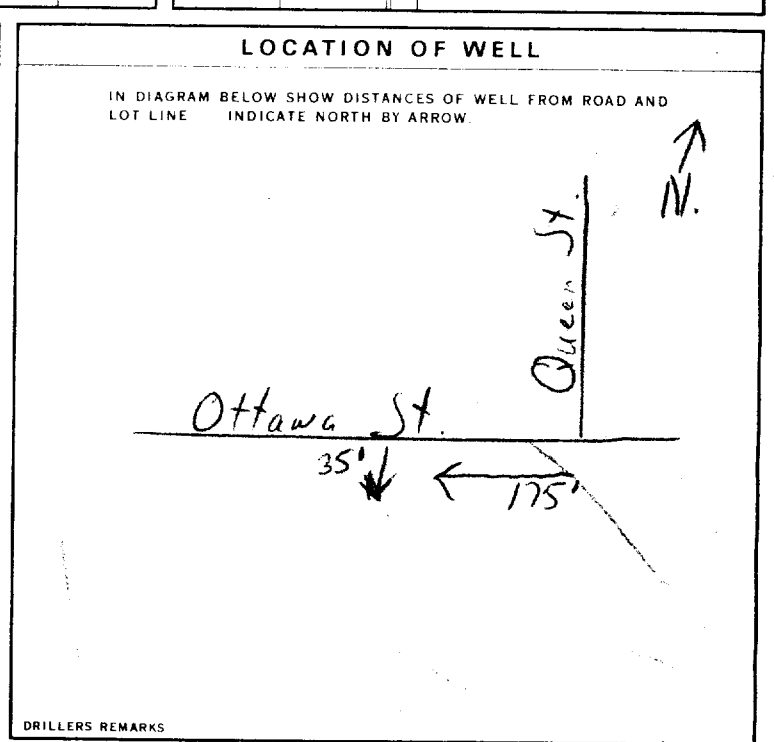
1  PUMP 2  BAILER

PUMPING RATE: 0007 GPM DURATION OF PUMPING: 01 HOUR 00 MINS

STATIC LEVEL FEET	WATER LEVEL END OF PUMPING FEET	WATER LEVELS DURING PUMPING			
<u>003</u>	<u>080</u>	15 MINUTES: <u>080</u>	30 MINUTES: <u>080</u>	45 MINUTES: <u>080</u>	60 MINUTES: <u>080</u>

RECOMMENDED PUMP TYPE:  SHALLOW  DEEP

RECOMMENDED PUMP SETTING: 080 FEET



### FINAL STATUS OF WELL

1  WATER SUPPLY

### WATER USE

1  DOMESTIC

### METHOD OF DRILLING

5  AIR PERCUSSION

CONTRACTOR: Herry Mairis Well Drilling LICENCE NUMBER: 3644  
 ADDRESS: Box 326, Richmond Ont.  
 NAME OF DRILLER OR BORER: Herry Mairis LICENCE NUMBER:  
 SIGNATURE OF CONTRACTOR: Herry Mairis SUBMISSION DATE: DAY 28 MO 11 YR 81

OFFICE USE ONLY

DATA SOURCE: 1 CONTRACTOR: 3644 DATE RECEIVED: 12 01 82  
 DATE OF INSPECTION: INSPECTOR:  
 REMARKS:

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

11

1517707

MUNICIP. 15701

CON. CON

03

COUNTY OR DISTRICT: **Compton** TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: **Compton** CON. BLOCK TRACT, SURVEY ETC: **3** LOT: **023** **025** **22**

DATE COMPLETED: DAY **24** MO **04** YR **81**

ADDRESS: **Burke St., Richmond, Ont.**

NG: **03499** RC: **4** ELEVATION: **0310** RC: **4** BASIN CODE: **26**

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
Blue	Clay			0	9
	Broken Rock			9	11
	Hard Limestone			11	35



31 **9999395** **9911** **1271** **0035** **1573**

32

**41 WATER RECORD**

WATER FOUND AT - FEET	KIND OF WATER
10-13 <b>0025</b>	1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
15-18	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
20-23	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
25-28	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
30-33	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL

**51 CASING & OPEN HOLE RECORD**

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET
			FROM TO
10-11	1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE		13-16
17-18	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE	<b>.188</b>	0 0018
24-25	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE		27-30

**SCREEN**

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
	INCHES	FEET
		41-44
		30

MATERIAL AND TYPE: \_\_\_\_\_ DEPTH TO TOP OF SCREEN: \_\_\_\_\_

**61 PLUGGING & SEALING RECORD**

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

**71 PUMPING TEST**

PUMPING TEST METHOD: 1  PUMP 2  BAILER

PUMPING RATE: **0009** GPM

DURATION OF PUMPING: 15-16 HOURS **30** 17-18 MINS.

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING	RECOVERY
19-21	22-24	15 MINUTES 26-28 30 MINUTES 29-31 45 MINUTES 32-34 60 MINUTES 35-37	1 <input type="checkbox"/> PUMPING 2 <input checked="" type="checkbox"/> RECOVERY
<b>009</b> FEET	<b>030</b> FEET	<b>009</b> FEET <b>009</b> FEET <b>009</b> FEET <b>009</b> FEET	

IF FLOWING, GIVE RATE: \_\_\_\_\_ GPM

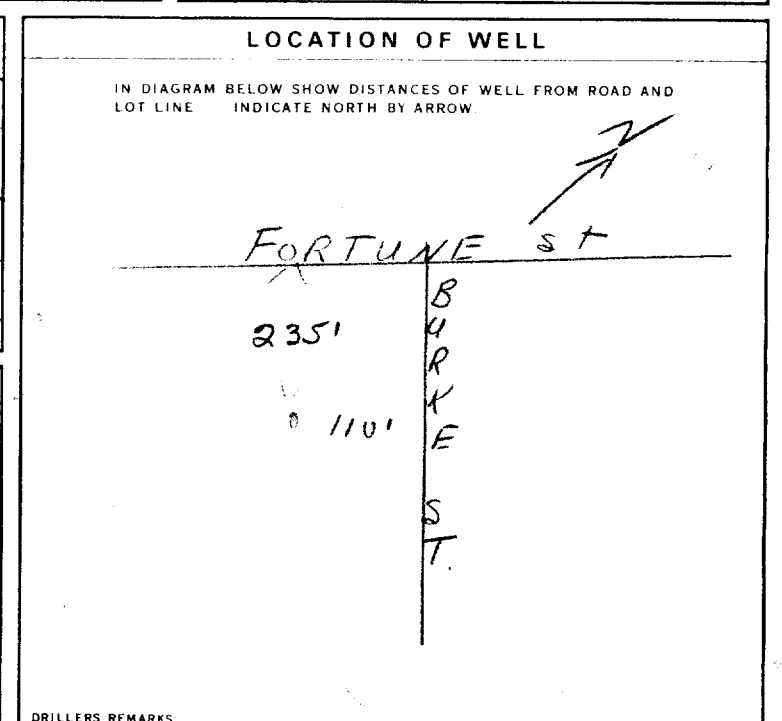
PUMP INTAKE SET AT: \_\_\_\_\_ FEET

WATER AT END OF TEST: \_\_\_\_\_ FEET

RECOMMENDED PUMP TYPE: 1  SHALLOW 2  DEEP

RECOMMENDED PUMP SETTING: **025** FEET

RECOMMENDED PUMPING RATE: **0005** GPM



**FINAL STATUS OF WELL**

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

**WATER USE**

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

**METHOD OF DRILLING**

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

**CONTRACTOR**

NAME OF WELL CONTRACTOR: **McLean Water Supply Ltd.** LICENCE NUMBER: **3504**

ADDRESS: **1532 Raven Ave. Ottawa, Ont.**

NAME OF DRILLER OR BORER: **A. Scharf** LICENCE NUMBER: \_\_\_\_\_

SIGNATURE OF CONTRACTOR: \_\_\_\_\_

SUBMISSION DATE: DAY **24** MO **4** YR **81**

**OFFICE USE ONLY**

DATA SOURCE: **1** CONTRACTOR: **3504** DATE RECEIVED: **11 02 82**

DATE OF INSPECTION: \_\_\_\_\_ INSPECTOR: \_\_\_\_\_

REMARKS: \_\_\_\_\_





Ontario

31648

# WATER WELL RECORD

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

11 1517733 MUNICIPAL 15701 CON. C/N 02

COUNTY OR DISTRICT: Ottawa-Carleton TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: Gaulebourn CON., BLOCK, TRACT, SURVEY, ETC.: Conc. 2 LOT: 023

OWNER (SURNAME FIRST): Star Quality Homes ADDRESS: Richmond, Ontario KOA 2Z0 DATE COMPLETED: DAY 30 MO. 09 YR. 81

ZONE: 18 EASTING: 434499 NORTHING: 5003199 RC: 4 ELEVATION: 0310 RC: 4 BASIN CODE: 26

### LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
Brown	Hardpan	Boulders & Gravel		0	20
Gray	Limestone			20	40

31 00206141311 0040215

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER			
10-13	1 <input checked="" type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR	4 <input type="checkbox"/> MINERAL	14
0038	2 <input checked="" type="checkbox"/> SALTY	4 <input type="checkbox"/>		
15-18	1 <input type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR	4 <input type="checkbox"/> MINERAL	19
	2 <input type="checkbox"/> SALTY			
20-23	1 <input type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR	4 <input type="checkbox"/> MINERAL	24
	2 <input type="checkbox"/> SALTY			
25-28	1 <input type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR	4 <input type="checkbox"/> MINERAL	29
	2 <input type="checkbox"/> SALTY			
30-33	1 <input type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR	4 <input type="checkbox"/> MINERAL	34-60
	2 <input type="checkbox"/> SALTY			

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
06	1 <input checked="" type="checkbox"/> STEEL	12	0	0022
6 1/2	2 <input type="checkbox"/> GALVANIZED			
	3 <input type="checkbox"/> CONCRETE	188		
	4 <input type="checkbox"/> OPEN HOLE			
06	1 <input type="checkbox"/> STEEL	19	22	0040
	2 <input type="checkbox"/> GALVANIZED			
	3 <input type="checkbox"/> CONCRETE			
	4 <input checked="" type="checkbox"/> OPEN HOLE			
24-25	1 <input type="checkbox"/> STEEL	26		27-30
	2 <input type="checkbox"/> GALVANIZED			
	3 <input type="checkbox"/> CONCRETE			
	4 <input type="checkbox"/> OPEN HOLE			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
	34-38 INCHES	39-40 FEET
		41-44 FEET
		50 FEET

MATERIAL AND TYPE

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET	MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER, ETC.)
10-13	14-17
18-21	22-25
26-29	30-33 60

71 PUMPING TEST METHOD

1  PUMP 2  BAILER

PUMPING RATE: 0030 GPM

DURATION OF PUMPING: 01 HOURS 00 MINS

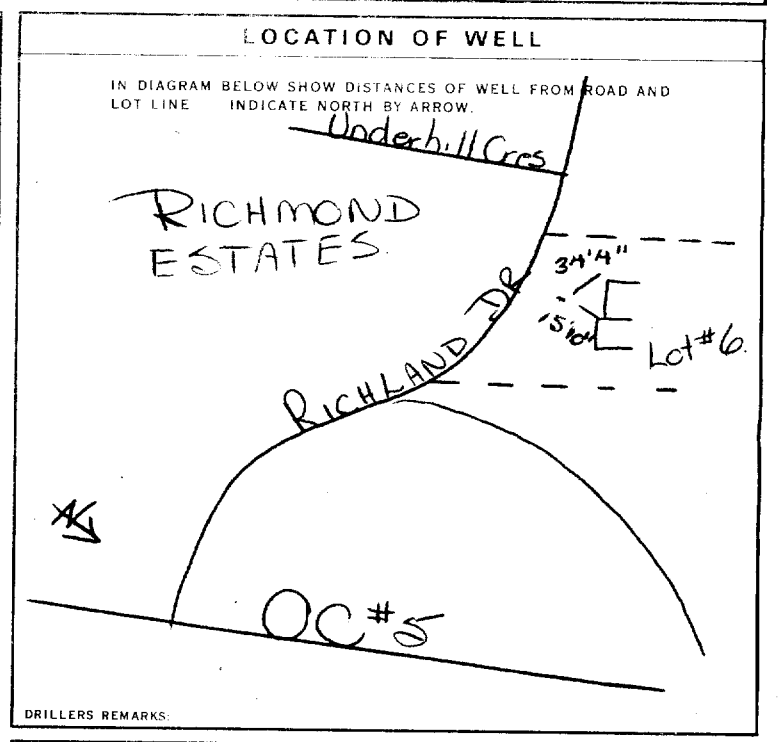
WATER LEVELS DURING PUMPING:

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING PUMPING
008	020	020
		020
		020
		020
		020

PUMP INTAKE SET AT: 030 FEET

RECOMMENDED PUMP TYPE:  SHALLOW  DEEP

RECOMMENDED PUMP SETTING: 0005



FINAL STATUS OF WELL: 1  WATER SUPPLY

WATER USE: 01

METHOD OF DRILLING: 5

CONTRACTOR: Capital Water Supply Ltd. LICENCE NUMBER: 1558

ADDRESS: Box 490, Stittsville, Ontario KOA3G0

NAME OF DRILLER OR BORER: S. Miller

SIGNATURE OF CONTRACTOR: [Signature]

SUBMISSION DATE: DAY 01 MO. 10 YR. 81

OFFICE USE ONLY

DATE OF INSPECTION: 1/1558

CONTRACTOR: 1558

DATE RECEIVED: 03 03 82

INSPECTOR: [Signature]

REMARKS:

P

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Ministry of the Environment  
Ontario

The Ontario Water Resources Act

# WATER WELL RECORD

31648

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

11

1517855

MUNICIPALITY 15701

CON. CN

03

COUNTY OR DISTRICT: Coquitla TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: Richmond (Loudoun) CON. BLOCK, TRAIL, SURVEY, ETC.: Ottawa St LOT: 022  
Richmond Ont DATE COMPLETED: DAY 04 MO 06 YR 82

RC: 03099 ELEVATION: 4 0310 4 BASIN CODE: 26

## LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
grey	clay			0	8
grey	hardpan			8	15
grey	gravel			15	25
grey	limestone			25	25

31: 0008205 0015214 0025211 0125215

### 41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER			
0/20	<input checked="" type="checkbox"/> FRESH	<input type="checkbox"/> SALTY	<input type="checkbox"/> SULPHUR	<input type="checkbox"/> MINERAL
15-18	<input type="checkbox"/> FRESH	<input type="checkbox"/> SALTY	<input type="checkbox"/> SULPHUR	<input type="checkbox"/> MINERAL
20-23	<input type="checkbox"/> FRESH	<input type="checkbox"/> SALTY	<input type="checkbox"/> SULPHUR	<input type="checkbox"/> MINERAL
25-28	<input type="checkbox"/> FRESH	<input type="checkbox"/> SALTY	<input type="checkbox"/> SULPHUR	<input type="checkbox"/> MINERAL
30-33	<input type="checkbox"/> FRESH	<input type="checkbox"/> SALTY	<input type="checkbox"/> SULPHUR	<input type="checkbox"/> MINERAL

### 51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
6 1/4	STEEL	1/8	0	27
17-18	STEEL			20-23
24-25	STEEL			27-30

### SCREEN

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

### 61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET	MATERIAL AND TYPE	(CEMENT GROUT LEAD PACKER ETC.)
10-13		
18-21		
26-29		

### 71 PUMPING TEST

PUMPING TEST METHOD:  PUMP  BAILER

PUMPING RATE: 00/5 GPM

DURATION OF PUMPING: 01 HOURS 00 MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING PUMPING			
<u>008</u>	<u>030</u>	15 MINUTES: <u>030</u>	30 MINUTES: <u>030</u>	45 MINUTES: <u>030</u>	60 MINUTES: <u>030</u>

RECOMMENDED PUMP TYPE:  SHALLOW  DEEP

RECOMMENDED PUMP SETTING: 030 FEET

RECOMMENDED PUMPING RATE: 00/10 GPM

### LOCATION OF WELL

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

DRILLERS REMARKS:

### FINAL STATUS OF WELL

WATER SUPPLY

### WATER USE

DOMESTIC

### METHOD OF DRILLING

AIR PERCUSSION

CONTRACTOR: Henry Mains Well Drilling LICENCE NUMBER: 3644

ADDRESS: Box 326, Richmond Ont

NAME OF DRILLER OR BORER: Henry Mains LICENCE NUMBER:

SIGNATURE OF CONTRACTOR: [Signature] SUBMISSION DATE: DAY 5 MO 6 YR 82

OFFICE USE ONLY

DATA SOURCE: 1 CONTRACTOR: 3644 DATE RECEIVED: 08 07 82

DATE OF INSPECTION: \_\_\_\_\_ INSPECTOR: \_\_\_\_\_

REMARKS: \_\_\_\_\_



Ministry of the Environment Ontario

# The Ontario Water Resources Act WATER WELL RECORD

3164t

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

11 1517895 MUNICIPAL 15701 CON. C0N 103

COUNTY OR DISTRICT: Carleton TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: Goulbourn CON. BLOCK, TRACT, SURVEY, ETC: Fortune Street 023 Pa 023

DATE COMPLETED 48-53 DAY 12 MO 03 YR 82

RC 4 ELEVATION 0310 RC 4 BASIN CODE 26

**LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)**

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
Blue	Clay			0	16
	Limestone			16	53

31 0016305 0053 15

**41 WATER RECORD**

WATER FOUND AT - FEET	KIND OF WATER
10-13 0024	1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
15-18 0053	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input checked="" type="checkbox"/> #5 4 <input type="checkbox"/> MINERAL
20-23	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
25-28	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
30-33	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL

**51 CASING & OPEN HOLE RECORD**

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET
10-11	1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE	.188	FROM TO 0 0021
17-18	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE		20-23
24-25	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE		27-30

**SCREEN**

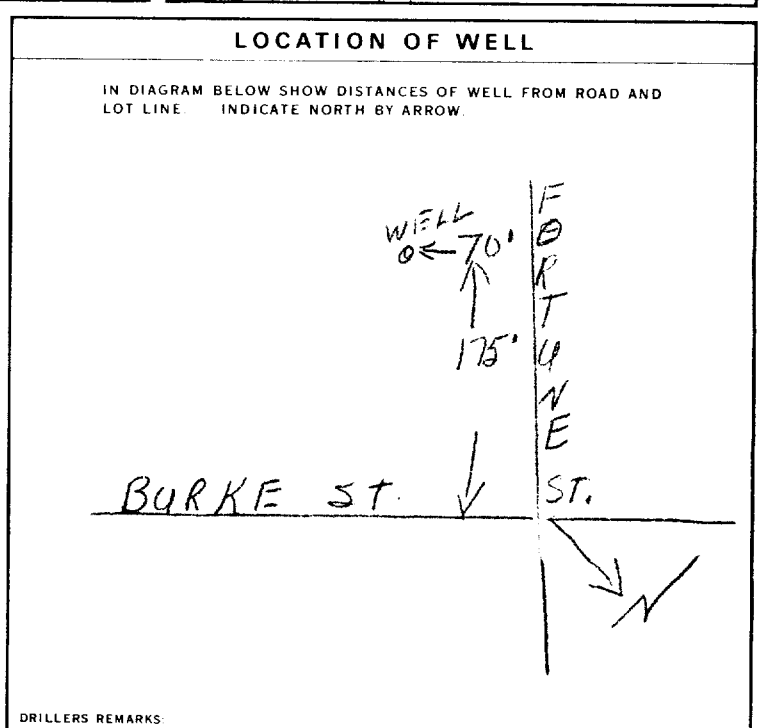
SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
	INCHES	FEET
	DEPTH TO TOP OF SCREEN	FEET

**61 PLUGGING & SEALING RECORD**

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

**71 PUMPING TEST**

1 <input checked="" type="checkbox"/> PUMP 2 <input type="checkbox"/> BAILER	PUMPING RATE 0004 GPM	DURATION OF PUMPING 00 HOURS 30 MINS
STATIC LEVEL 008 FEET	WATER LEVEL END OF PUMPING 050 FEET	WATER LEVELS DURING
		15 MINUTES 26-28 FEET 008
		30 MINUTES 29-31 FEET 008
		45 MINUTES 32-34 FEET 008
		60 MINUTES 35-37 FEET 008
IF FLOWING, GIVE RATE	PUMP INTAKE SET	WATER AT END OF TEST
	GPM	FEET
RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
<input checked="" type="checkbox"/> SHALLOW <input type="checkbox"/> DEEP	035 FEET	0004 GPM



**FINAL STATUS OF WELL**

1 <input checked="" type="checkbox"/> WATER SUPPLY	5 <input type="checkbox"/> ABANDONED, INSUFFICIENT SUPPLY
2 <input type="checkbox"/> OBSERVATION WELL	6 <input type="checkbox"/> ABANDONED POOR QUALITY
3 <input type="checkbox"/> TEST HOLE	7 <input type="checkbox"/> UNFINISHED
4 <input type="checkbox"/> RECHARGE WELL	

**WATER USE** 01

1 <input checked="" type="checkbox"/> DOMESTIC	5 <input type="checkbox"/> COMMERCIAL
2 <input type="checkbox"/> STOCK	6 <input type="checkbox"/> MUNICIPAL
3 <input type="checkbox"/> IRRIGATION	7 <input type="checkbox"/> PUBLIC SUPPLY
4 <input type="checkbox"/> INDUSTRIAL	8 <input type="checkbox"/> COOLING OR AIR CONDITIONING
<input type="checkbox"/> OTHER	9 <input type="checkbox"/> NOT USED

**METHOD OF DRILLING** 4

1 <input type="checkbox"/> CABLE TOOL	6 <input type="checkbox"/> BORING
2 <input type="checkbox"/> ROTARY (CONVENTIONAL)	7 <input type="checkbox"/> DIAMOND
3 <input type="checkbox"/> ROTARY (REVERSE)	8 <input type="checkbox"/> JETTING
4 <input checked="" type="checkbox"/> ROTARY (AIR)	9 <input type="checkbox"/> DRIVING
5 <input type="checkbox"/> AIR PERCUSSION	

**CONTRACTOR**

NAME OF WELL CONTRACTOR: McLean Water Supply Ltd.	LICENCE NUMBER: 3504
ADDRESS: 1532 Raven Ave., Ottawa, Ont.	
NAME OF DRILLER OR BORER: A. Scharf	LICENCE NUMBER:
SIGNATURE OF CONTRACTOR: [Signature]	SUBMISSION DATE: DAY 12 MO 3 YR 82

**OFFICE USE ONLY**

DATA SOURCE: 1	CONTRACTOR: 3504	DATE RECEIVED: 10 09 82
DATE OF INSPECTION:	INSPECTOR:	
REMARKS:		



Ministry of the Environment  
Ontario

The Ontario Water Resources Act

# WATER WELL RECORD

31648

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

11

1517896

MUNICIP. 15701

CON. CON

03

COUNTY OR DISTRICT: Carleton  
TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: Goulbourn  
CON. BLOCK, TRACT, SURVEY, ETC: Burke Street 023  
Part 18023

6 Burke St., Richmond, Ont.  
DATE COMPLETED: DAY 12 MO 03 YR 82

MINING: 0, 03, 5, 9, 9  
RC: 4  
ELEVATION: 031.0  
RC: 4  
BASIN CODE: 26

## LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
	Clay			0	8
	Limestone			8	52

31 0098 05 0952 15  
32

**41 WATER RECORD**

WATER FOUND AT - FEET	KIND OF WATER
0025	1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
0052	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
20-23	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
25-28	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
30-33	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL

**51 CASING & OPEN HOLE RECORD**

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET
10-11	1 <input checked="" type="checkbox"/> STEEL		13-16
06	2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE	.188	0 0017
17-18	1 <input type="checkbox"/> STEEL		20-23
24-25	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE		27-30

**SCREEN**

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

**61 PLUGGING & SEALING RECORD**

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

**71 PUMPING TEST**

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 <input checked="" type="checkbox"/> PUMP 2 <input type="checkbox"/> BAILER	0005 GPM	00 15-16 HOURS 30 17-18 MINS
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING
009 FEET	050 FEET	1 <input type="checkbox"/> PUMPING 2 <input checked="" type="checkbox"/> RECOVERY
19-21	22-24	15 MINUTES 30 MINUTES 45 MINUTES 60 MINUTES
26-28	29-31	009 FEET 009 FEET 009 FEET
IF FLOWING GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
	GPM	FEET
RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
1 <input checked="" type="checkbox"/> SHALLOW 2 <input type="checkbox"/> DEEP	045 FEET	0005 GPM

**LOCATION OF WELL**

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

← 60' ↑ 60' N  
BURKE ST

DRILLERS REMARKS:

**FINAL STATUS OF WELL**

1 <input checked="" type="checkbox"/> WATER SUPPLY	5 <input type="checkbox"/> ABANDONED, INSUFFICIENT SUPPLY
2 <input type="checkbox"/> OBSERVATION WELL	6 <input type="checkbox"/> ABANDONED, POOR QUALITY
3 <input type="checkbox"/> TEST HOLE	7 <input type="checkbox"/> UNFINISHED
4 <input type="checkbox"/> RECHARGE WELL	

**WATER USE**

1 <input checked="" type="checkbox"/> DOMESTIC	5 <input type="checkbox"/> COMMERCIAL
2 <input type="checkbox"/> STOCK	6 <input type="checkbox"/> MUNICIPAL
3 <input type="checkbox"/> IRRIGATION	7 <input type="checkbox"/> PUBLIC SUPPLY
4 <input type="checkbox"/> INDUSTRIAL	8 <input type="checkbox"/> COOLING OR AIR CONDITIONING
9 <input type="checkbox"/> OTHER	9 <input type="checkbox"/> NOT USED

**METHOD OF DRILLING**

1 <input type="checkbox"/> CABLE TOOL	6 <input type="checkbox"/> BORING
2 <input type="checkbox"/> ROTARY (CONVENTIONAL)	7 <input type="checkbox"/> DIAMOND
3 <input type="checkbox"/> ROTARY (REVERSE)	8 <input type="checkbox"/> JETTING
4 <input checked="" type="checkbox"/> ROTARY (AIR)	9 <input type="checkbox"/> DRIVING
5 <input type="checkbox"/> AIR PERCUSSION	

**CONTRACTOR**

NAME OF WELL CONTRACTOR: McLean Water Supply Ltd., LICENCE NUMBER: 3504  
ADDRESS: 1532 Raven Ave., Ottawa, Ont.  
NAME OF DRILLER OR BORER: A. Scharf  
SIGNATURE OF CONTRACTOR: [Signature]  
SUBMISSION DATE: DAY 12 MO 3 YR 82

**OFFICE USE ONLY**

DATE RECEIVED: 10 09 82  
CONTRACTOR: 3504  
DATE OF INSPECTION: \_\_\_\_\_  
INSPECTOR: \_\_\_\_\_  
REMARKS: \_\_\_\_\_

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

11

1517929

MUNICIPALITY 15701

CON. CDN

0.2

COUNTY OR DISTRICT: Ottawa-Carleton  
TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: Goulbourn  
CON. BLOCK, TRACT, SURVEY, ETC: Conc. 2  
LOT: 25-27 023  
OWNER (SURNAME FIRST): Star Quality Homes  
ADDRESS: Richmond, Ontario  
DATE COMPLETED: DAY 17 MO 05 YR 82

ZONE: U 1, V 1, W 1, X 1, Y 1, Z 1  
EASTING: 434699  
NORTHING: 5003299  
RC: 4  
ELEVATION: 0310  
RC: 4  
BASIN CODE: 26

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MCST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
Brown	Sand	Clay & Stones	Packed	0	4
Gray	Limestone			4	46

31 00046280512 0046215  
32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
10-13 0043'	1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
15-18	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
20-23	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
25-28	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
30-33	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET
06 6 1/4	1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE	188	0 0022
06 6 1/4	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input checked="" type="checkbox"/> OPEN HOLE		22 0046

SCREEN

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

MATERIAL AND TYPE: \_\_\_\_\_  
DEPTH TO TOP OF SCREEN: \_\_\_\_\_

61 PLUGGING & SEALING RECORD

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

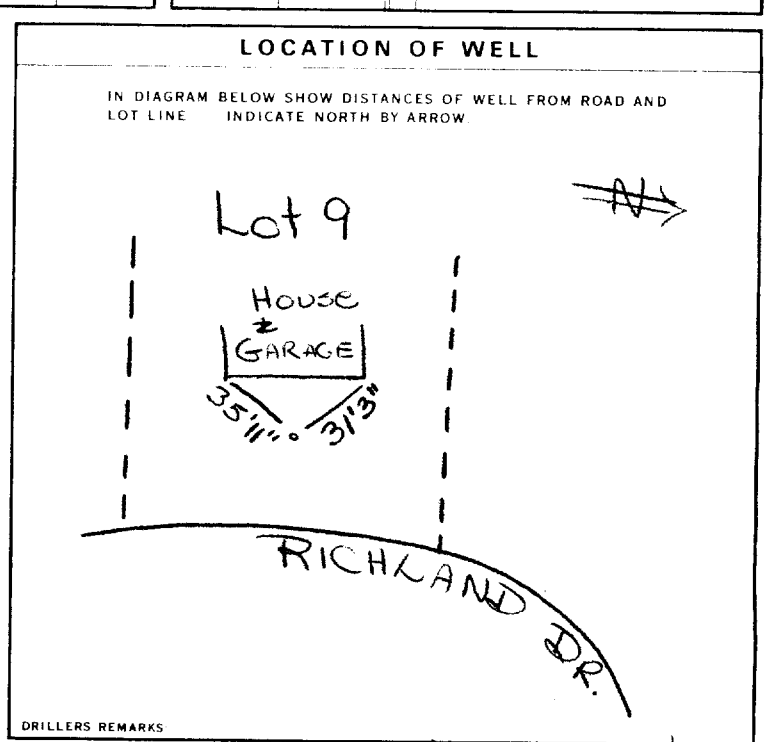
71 PUMPING TEST

PUMPING TEST METHOD: 1  PUMP 2  BAILER  
PUMPING RATE: 0030 GPM  
DURATION OF PUMPING: 01 HOURS 00 MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING					
19-21 008 FEET	22-24 025 FEET	15 MINUTES 26-28 025 FEET	30 MINUTES 29-31 025 FEET	45 MINUTES 32-34 025 FEET	60 MINUTES 35-37 025 FEET		

IF FLOWING, GIVE RATE: \_\_\_\_\_  
PUMP INTAKE SET AT: \_\_\_\_\_  
WATER AT END OF TEST: \_\_\_\_\_

RECOMMENDED PUMP TYPE:  SHALLOW  DEEP  
RECOMMENDED PUMP SETTING: 030 FEET  
RECOMMENDED PUMPING RATE: 0005 GPM



FINAL STATUS OF WELL: 1  WATER SUPPLY  
WATER USE: 01 (DOMESTIC)  
METHOD OF DRILLING: 1 (CABLE TOOL)

CONTRACTOR: Capital Water Supply Ltd. Licence Number: 1558  
Address: Box 490; Stittsville, Ont. KOA 3G0  
Name of Driller or Borer: J. Moore  
Signature of Contractor: [Signature]  
Submission Date: DAY 17 MO 05 YR 82

OFFICE USE ONLY

DATA SOURCE: 1  
CONTRACTOR: 1558  
DATE RECEIVED: 05 10 82  
DATE OF INSPECTION: \_\_\_\_\_  
INSPECTOR: \_\_\_\_\_  
REMARKS: \_\_\_\_\_

31648

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

11 1517930 15.70.1 CDR 02

COUNTY OR DISTRICT Ottawa-Carleton	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE Goulbourn	CON. BLOCK, TRACT, SURVEY, ETC. Conc. 2	LOT 25-27 023
OWNER (SURNAME FIRST) Star Quality Homes	ADDRESS Richmond, Ontario. KOA 220	DATE COMPLETED DAY 17 MO 07 YR 02	
ZONE 118	EASTING 434599	NORTHING 5003299	RC 4
		ELEVATION 0310	RC 4
		BASIN CODE 26	

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)					
GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
Reddish	Sand	Fill	Loose	0	3
Brown	Clay	Boulders & Gravel	Packed	3	7
Gray	Limestone		Medium	7	40

MOE  
VF-18

31 0003728 0177 0007605 13111 004021578

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0030'	1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
0035'	1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
20-23	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
25-28	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
30-33	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
06	1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE	1.88	0	0022
06	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input checked="" type="checkbox"/> OPEN HOLE		22	0040
	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE			

SCREEN

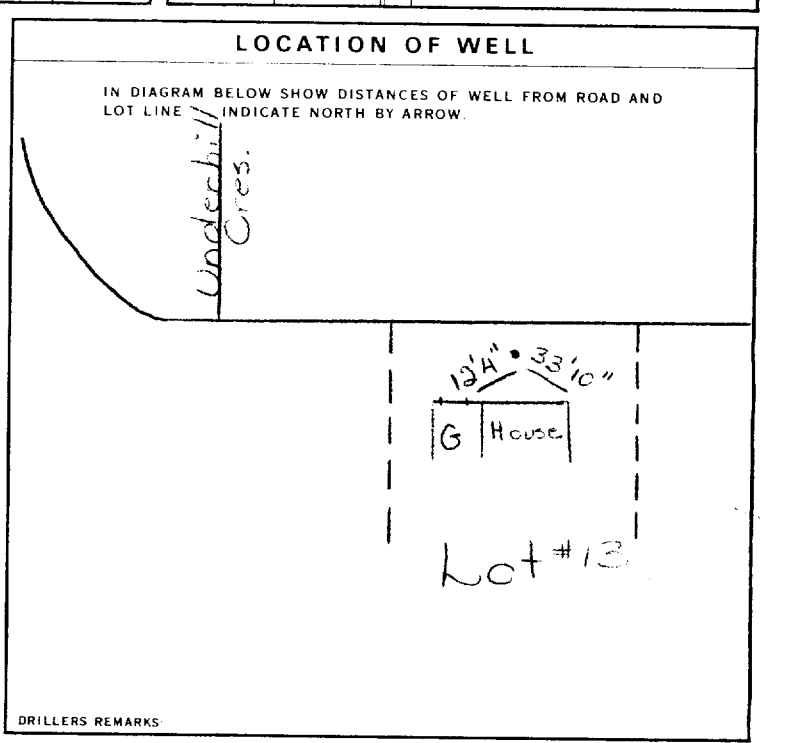
SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET
MATERIAL AND TYPE		DEPTH TO TOP OF SCREEN FEET

61 PLUGGING & SEALING RECORD

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

71 PUMPING TEST

PUMPING TEST METHOD 1 <input checked="" type="checkbox"/> PUMP 2 <input type="checkbox"/> BAILER	PUMPING RATE 000 5 GPM	DURATION OF PUMPING 01 15-16 00 HOURS MINS
STATIC LEVEL 015 FEET	WATER LEVEL END OF PUMPING 025 FEET	WATER LEVELS DURING PUMPING 15 MINUTES 025 FEET 30 MINUTES 025 FEET 45 MINUTES 025 FEET 60 MINUTES 025 FEET
IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST 1 <input checked="" type="checkbox"/> CLEAR 2 <input type="checkbox"/> CLOUDY
RECOMMENDED PUMP TYPE <input checked="" type="checkbox"/> SHALLOW <input type="checkbox"/> DEEP	RECOMMENDED PUMP SETTING 030 FEET	RECOMMENDED PUMPING RATE 000 5 GPM



FINAL STATUS OF WELL 1

WATER USE 01

METHOD OF DRILLING 5

1 <input checked="" type="checkbox"/> WATER SUPPLY	5 <input type="checkbox"/> ABANDONED, INSUFFICIENT SUPPLY
2 <input type="checkbox"/> OBSERVATION WELL	6 <input type="checkbox"/> ABANDONED POOR QUALITY
3 <input type="checkbox"/> TEST HOLE	7 <input type="checkbox"/> UNFINISHED
4 <input type="checkbox"/> RECHARGE WELL	
1 <input checked="" type="checkbox"/> DOMESTIC	5 <input type="checkbox"/> COMMERCIAL
2 <input type="checkbox"/> STOCK	6 <input type="checkbox"/> MUNICIPAL
3 <input type="checkbox"/> IRRIGATION	7 <input type="checkbox"/> PUBLIC SUPPLY
4 <input type="checkbox"/> INDUSTRIAL	8 <input type="checkbox"/> COOLING OR AIR CONDITIONING
<input type="checkbox"/> OTHER	9 <input type="checkbox"/> NOT USED
1 <input type="checkbox"/> CABLE TOOL	6 <input type="checkbox"/> BORING
2 <input type="checkbox"/> ROTARY (CONVENTIONAL)	7 <input type="checkbox"/> DIAMOND
3 <input type="checkbox"/> ROTARY (REVERSE)	8 <input type="checkbox"/> JETTING
4 <input type="checkbox"/> ROTARY (AIR)	9 <input type="checkbox"/> DRIVING
5 <input checked="" type="checkbox"/> AIR PERCUSSION	

CONTRACTOR

NAME OF WELL CONTRACTOR  
Capital Water Supply Ltd.

LICENCE NUMBER  
1558

ADDRESS  
Box 490; Stittsville, Ont. KOA 3G0

NAME OF DRILLER OR BORER  
S. Miller

LICENCE NUMBER

SIGNATURE OF CONTRACTOR  
*S. Miller*

SUBMISSION DATE  
DAY 21 MO 07 YR 02

OFFICE USE ONLY

DATA SOURCE 1

CONTRACTOR 1558

DATE RECEIVED 05 10 82

DATE OF INSPECTION

INSPECTOR

REMARKS

# WATER WELL RECORD

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

11 1518067 MUNICIPAL 15701 CON. CON 03

COUNTY OR DISTRICT: Carleton  
TOWNSHIP, BROUGH, CITY, TOWN, VILLAGE: Haliburton (Richmond)  
CON. BLOCK, TRACT, SURVEY, ETC: Con 2, Ottawa St  
LOT: 022  
DATE COMPLETED: 09 09 82  
MUNICIPALITY: 03, 09, 9  
ELEVATION: 4 0.3, 1.0  
BASIN CODE: 4 2.6

## LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
grey	clay			0	23
grey	hardpan	gravel		23	27
grey	limestone			27	25

31 0023205 0027214/11 0125215

### 41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0080	1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
0120	1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL

### 51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET
06	1 <input checked="" type="checkbox"/> STEEL	188	0-130
17-18	1 <input type="checkbox"/> STEEL		20-23
24-25	1 <input type="checkbox"/> STEEL		27-30

### SCREEN

SIZE (S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET
	31-33	34-38

### 61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET	MATERIAL AND TYPE
10-13	14-17
18-21	22-25
26-29	30-33

### 71 PUMPING TEST

PUMPING TEST METHOD: 1  PUMP 2  BAILER

PUMPING RATE: 0007 GPM

DURATION OF PUMPING: 01 00 HOURS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING PUMPING
006	080	15 MINUTES: 080, 30 MINUTES: 080, 45 MINUTES: 080, 60 MINUTES: 080

RECOMMENDED PUMP TYPE:  SHALLOW  DEEP

RECOMMENDED PUMP SETTING: 080 FEET

RECOMMENDED PUMPING RATE: 0007 GPM

### LOCATION OF WELL

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

DRILLER'S REMARKS:

### FINAL STATUS OF WELL

1  WATER SUPPLY

### WATER USE

01 1  DOMESTIC

### METHOD OF DRILLING

5 1  CABLE TOOL

### CONTRACTOR

NAME OF WELL CONTRACTOR: Henry Mains Well Drilling  
ADDRESS: Box 326 Richmond Ont  
SIGNATURE OF CONTRACTOR: [Signature]  
SUBMISSION DATE: 9 9 82

### OFFICE USE ONLY

DATA SOURCE: 1  
CONTRACTOR: 3644  
DATE RECEIVED: 11 01 83  
DATE OF INSPECTION: [Blank]  
INSPECTOR: [Blank]  
REMARKS: [Blank]

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

(11) 1518068 MUNICIP. 157011 CON. 03

COUNTY OR DISTRICT: Carleton TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: Leavelle (Richmond) CON. BLOCK, TRACT, SURVEY ETC.: Ottawa St. LOT: 150  
 OWNER (SURNAME FIRST): Henry Company Ltd ADDRESS: Richmond Ont DATE COMPLETED: 09 11 82

ZONE: 118 EASTING: 434399 NORTHING: 5003099 RC: 4 ELEVATION: 103.10 RC: 4 BASIN CODE: 26

**LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)**

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
grey	clay			0	12
grey	hardpan	gravel		12	24
grey	limestone			24	125

MOE WF-18

31 6012205 00242141 0125215

**41 WATER RECORD**

WATER FOUND AT - FEET	KIND OF WATER
0/00	1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
0/20	1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL

**51 CASING & OPEN HOLE RECORD**

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET
8 1/2	STEEL	1/8	0/00
8 1/2	GALVANIZED	1/8	0/00
8 1/2	CONCRETE	1/8	0/00
8 1/2	OPEN HOLE		0/00
6	STEEL	1/8	26/25
6	GALVANIZED	1/8	26/25
6	CONCRETE	1/8	26/25
6	OPEN HOLE		26/25

**SCREEN**

SIZE(S) OF OPENING (SLOT NO)	DIAMETER	LENGTH
	INCHES	FEET
		41-44

**61 PLUGGING & SEALING RECORD**

DEPTH SET AT - FEET	MATERIAL AND TYPE
10-13	14-17
18-21	22-25
26-29	30-33

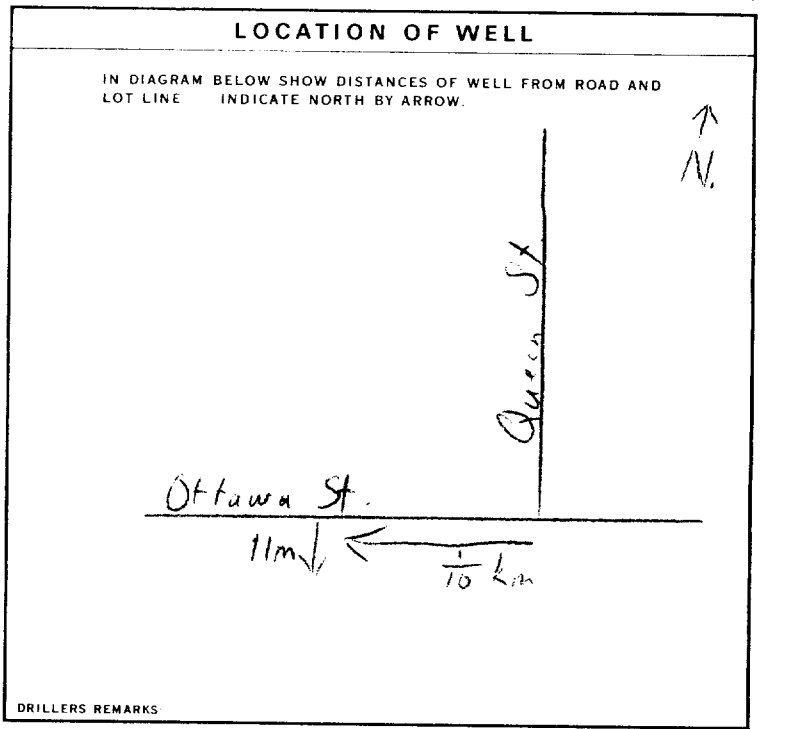
**71 PUMPING TEST METHOD**

1  PUMP 2  BAILER

PUMPING RATE: 0005 GPM DURATION OF PUMPING: 01 15-16 00 HOURS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING
003	100	15 MINUTES: 100 30 MINUTES: 100 45 MINUTES: 100 60 MINUTES: 100

RECOMMENDED PUMP TYPE:  SHALLOW  DEEP



**FINAL STATUS OF WELL** 1  WATER SUPPLY

**WATER USE** 01 1  DOMESTIC

**METHOD OF DRILLING** 5 1  CABLE TOOL 2  ROTARY (CONVENTIONAL) 3  ROTARY (REVERSE) 4  ROTARY (AIR) 5  AIR PERCUSSION

**CONTRACTOR** Henry Mains Well Drilling 3644  
 ADDRESS: 264 326, Richmond Ont  
 NAME OF DRILLER OR BORER: Mains  
 SIGNATURE OF CONTRACTOR: [Signature] SUBMISSION DATE: 20 11 82

**OFFICE USE ONLY**

DATA SOURCE: 1 CONTRACTOR: 3644 DATE RECEIVED: 11 01 83  
 DATE OF INSPECTION: INSPECTOR: [Signature]  
 REMARKS:



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

11 1518250 15701 CON. CAN 02

COUNTY OR DISTRICT: Ottawa-Carleton TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: Goulbourn CON. BLOCK, TRACT, SURVEY, ETC.: Conc. 2 LOT: 023

OWNER (SURNAME FIRST): Star Quality Homes ADDRESS: Richmond Ontario KOA 220 DATE COMPLETED: DAY 28 MO 04 YR 83

ZONE: 18 EASTING: 434699 NORTHING: 5003299 RC: 4 ELEVATION: 0310 RC: 4 BASIN CODE: 26

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
Red	Sand		Fill	0	2
Brown	Top Soil	Small Boulders	Packed	2	5
Gray	Hardpan		Packed	5	9
Gray	Limestone			9	115

MOE VF-18

31 000272891 00056021379 0009214179 0115215

**41 WATER RECORD**

WATER FOUND AT - FEET	KIND OF WATER
10-13	1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
15-18	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
20-23	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
25-28	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
30-33	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL

**51 CASING & OPEN HOLE RECORD**

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET
10-11	1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE		0 0020
11-18	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input checked="" type="checkbox"/> OPEN HOLE	188	20 0115
18-25	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE		

**SCREEN**

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

**61 PLUGGING & SEALING RECORD**

DEPTH SET AT - FEET	MATERIAL AND TYPE	CEMENT GROUT LEAD PACKER, ETC.
10-13		
18-21		
26-29		

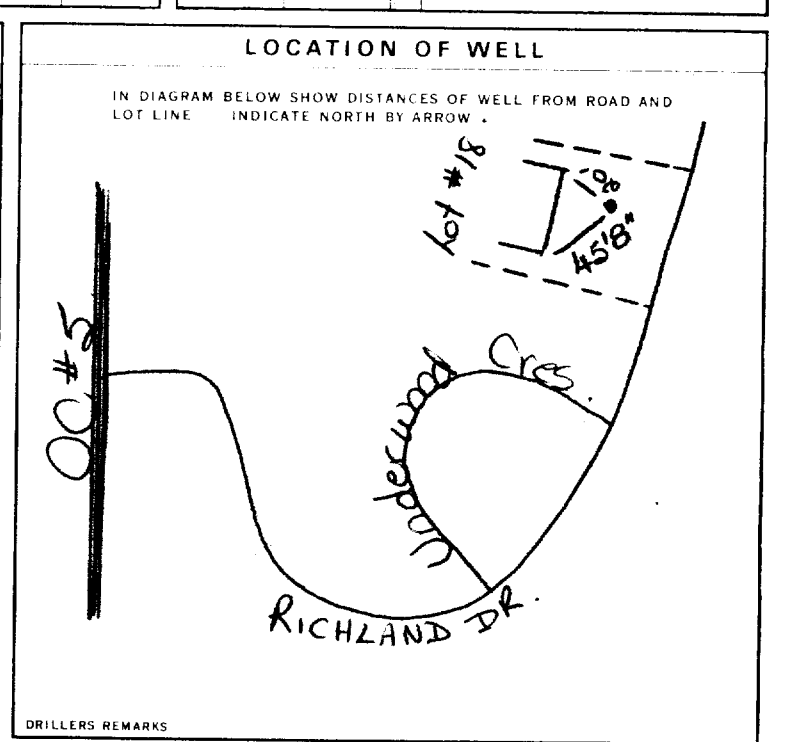
**71 PUMPING TEST**

PUMPING TEST METHOD: 1  PUMP 2  BAILER

PUMPING RATE: 0010 GPM DURATION OF PUMPING: 01 HOURS 00 MINS.

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING PUMPING					
<u>004</u> FEET	<u>050</u> FEET	15 MINUTES: <u>050</u> FEET	30 MINUTES: <u>050</u> FEET	45 MINUTES: <u>050</u> FEET	60 MINUTES: <u>050</u> FEET	35-37: <u>050</u> FEET	38-41: <u>050</u> FEET

RECOMMENDED PUMP TYPE:  SHALLOW  DEEP



**FINAL STATUS OF WELL** 1

**WATER USE** 01

**METHOD OF DRILLING** 5

**CONTRACTOR**

NAME OF WELL CONTRACTOR: Capital Water Supply Ltd. LICENCE NUMBER: 1558

ADDRESS: Box 490; Stittsville, Ont. KOA 390

NAME OF DRILLER OR BORER: W. Kavanagh LICENCE NUMBER: \_\_\_\_\_

SIGNATURE OF CONTRACTOR: [Signature] SUBMISSION DATE: DAY 28 MO 04 YR 83

**OFFICE USE ONLY**

DATA SOURCE: 1 CONTRACTOR: 1558 DATE RECEIVED: 02 06 83

DATE OF INSPECTION: \_\_\_\_\_ INSPECTOR: \_\_\_\_\_

REMARKS: \_\_\_\_\_



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Environment  
Ontario

The Ontario Water Resources Act

31648

# WATER WELL RECORD

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

(11)

1518349

MUNICIPALITY 15701

CON. PART 03

COUNTY OR DISTRICT: **OTTAWA CARLETON** TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: **GOULBOURN** CON. BLOCK, TRACT, SURVEY ETC: **3** LOT: **023** DATE COMPLETED: **28** MO **07** YR **83**

NG: **03599** RC: **4** ELEVATION: **0310** RC: **4** BASIN CODE: **26**

## LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
BROWN	SAND	CLAY	PACKED	0'	8'
GRAY	LIMESTONE		SLABS	8'	16'
GRAY	LIMESTONE		HARD	16'	84'

31: **0008280579 0016215 008421573**

### 41 WATER RECORD

WATER FOUND AT FEET	KIND OF WATER			
10-13	1 <input checked="" type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR	4 <input type="checkbox"/> MINERAL	2 <input type="checkbox"/> SALTY
15-18	1 <input checked="" type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR	4 <input type="checkbox"/> MINERAL	2 <input type="checkbox"/> SALTY
20-23	1 <input type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR	4 <input type="checkbox"/> MINERAL	2 <input type="checkbox"/> SALTY
25-28	1 <input type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR	4 <input type="checkbox"/> MINERAL	2 <input type="checkbox"/> SALTY
30-33	1 <input type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR	4 <input type="checkbox"/> MINERAL	2 <input type="checkbox"/> SALTY

### 51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
6 1/4	1 <input checked="" type="checkbox"/> STEEL	1.88	0'	22'
6	2 <input type="checkbox"/> GALVANIZED		22'	84'
6	3 <input type="checkbox"/> CONCRETE			
6	4 <input checked="" type="checkbox"/> OPEN HOLE			
6	1 <input type="checkbox"/> STEEL			
6	2 <input type="checkbox"/> GALVANIZED			
6	3 <input type="checkbox"/> CONCRETE			
6	4 <input checked="" type="checkbox"/> OPEN HOLE			

### 61 PLUGGING & SEALING RECORD

DEPTH SET AT FEET	MATERIAL AND TYPE	CEMENT GROUT LEAD PACKER ETC.
10-13		
18-21		
26-29		

### 71 PUMPING TEST

PUMPING TEST METHOD: 1  PUMP 2  BAILER

PUMPING RATE: **0010** GPM

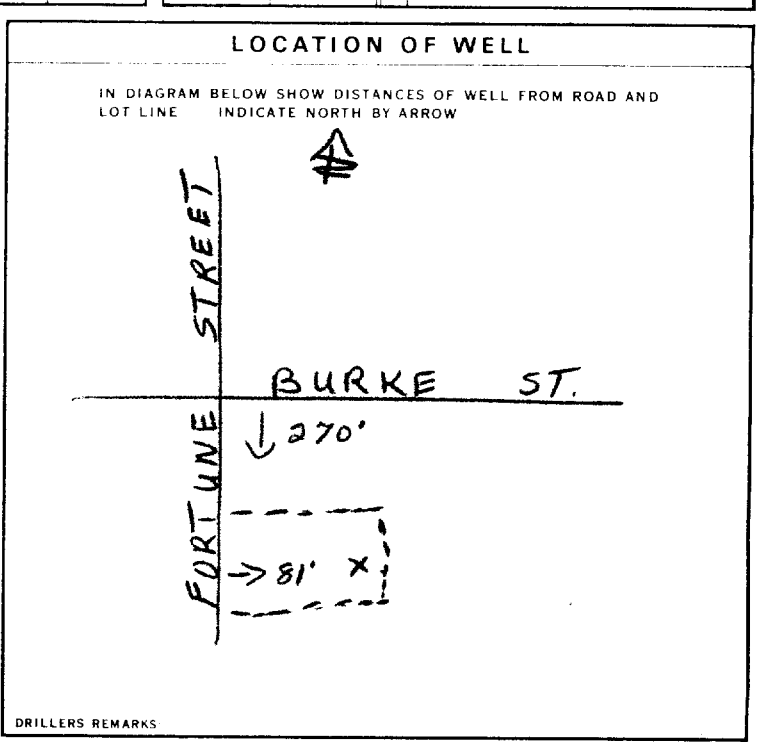
DURATION OF PUMPING: **01** HOURS **00** MIN.

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING				
022 FEET	047 FEET	15 MINUTES: 047 FEET	30 MINUTES: 047 FEET	45 MINUTES: 047 FEET	60 MINUTES: 047 FEET	

RECOMMENDED PUMP TYPE:  SHALLOW  DEEP

RECOMMENDED PUMP SETTING: **060** FEET

RECOMMENDED PUMPING RATE: **0005** GPM



### FINAL STATUS OF WELL

1  WATER SUPPLY

### WATER USE

1  DOMESTIC

### METHOD OF DRILLING

1  CABLE TOOL

### CONTRACTOR

NAME OF WELL CONTRACTOR: **M. KAVANAGH & SON** LICENCE NUMBER: **3142**

ADDRESS: **RR 2 CARLETON PLACE**

NAME OF DRILLER OR BORER: **MIKE KAVANAGH** LICENCE NUMBER: **3142**

SIGNATURE OF CONTRACTOR: *Michael Kavanagh* SUBMISSION DATE: **30** MO **7** YR **83**

### OFFICE USE ONLY

DATA SOURCE: **1** CONTRACTOR: **3142** DATE RECEIVED: **040883**

DATE OF INSPECTION: \_\_\_\_\_ INSPECTOR: \_\_\_\_\_

REMARKS: \_\_\_\_\_



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**WATER WELL RECORD**

31648

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

11

1518535

MUNICIP 15701

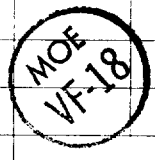
CON. CON

03

COUNTY OR DISTRICT: **Compton** TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: **Richmond** CON. BLOCK, TRACT, SURVEY, ETC.: **023/023**  
**Burke St. Richmond, Ont.**  
 DATE COMPLETED: **03-08-83**  
 NG: **03299** RC: **4** ELEVATION: **0310** RC: **4** BASIN CODE: **26**

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
Blue	Clay			0	14
	Limestone	Broken		14	63
	Limestone		Hard	63	85



31: **0014305** 32: **0063 1571** 33: **0085 1573**

**41 WATER RECORD**

WATER FOUND AT - FEET	KIND OF WATER			
10-13	1 <input checked="" type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR	2 <input type="checkbox"/> SALTY	4 <input type="checkbox"/> MINERAL
15-18	1 <input checked="" type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR	2 <input type="checkbox"/> SALTY	4 <input type="checkbox"/> MINERAL
20-23	1 <input checked="" type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR	2 <input type="checkbox"/> SALTY	4 <input type="checkbox"/> MINERAL
25-28	1 <input type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR	2 <input type="checkbox"/> SALTY	4 <input type="checkbox"/> MINERAL
30-33	1 <input type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR	2 <input type="checkbox"/> SALTY	4 <input type="checkbox"/> MINERAL

**51 CASING & OPEN HOLE RECORD**

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
10-11	1 <input type="checkbox"/> STEEL	12	FROM	TO
17-18	1 <input type="checkbox"/> STEEL	19	0	0018
24-25	1 <input type="checkbox"/> STEEL	26		

**SCREEN**

SIZE/SLIT OF OPENING (SLOT NO. 1)	DIAMETER INCHES	LENGTH FEET
	34-38	39-40
MATERIAL AND TYPE		DEPTH TO TOP OF SCREEN FEET
		41-44

**61 PLUGGING & SEALING RECORD**

DEPTH SET AT - FEET	MATERIAL AND TYPE	CEMENT GROUT LEAD PACKER ETC.
10-13	18	Cement grout
14-17		
18-21		
22-25		
26-29		
30-33		
34-40		

**71 PUMPING TEST**

1  PUMP 2  BAILER

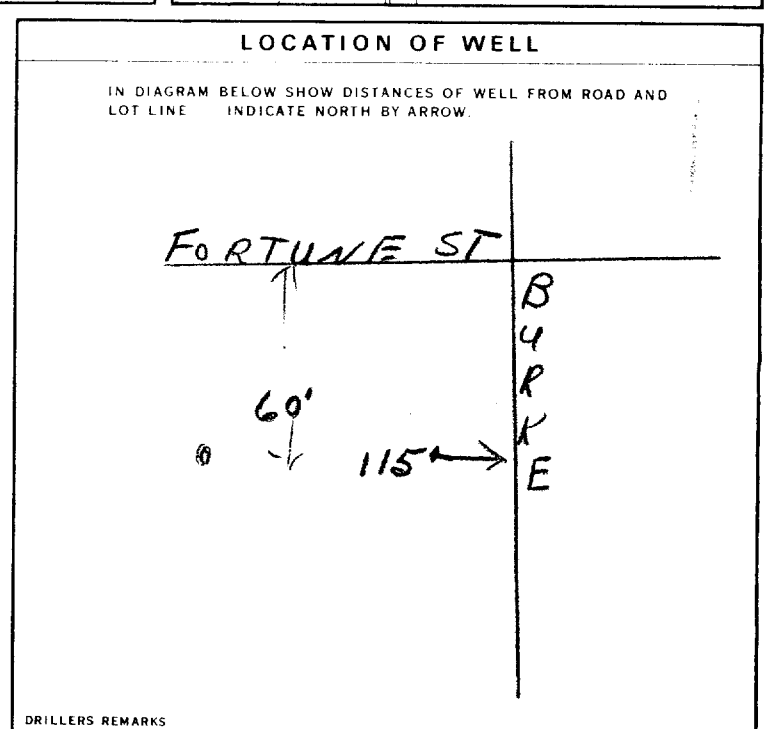
PUMPING RATE: **0005** GPM

DURATION OF PUMPING: **00** HOURS **30** MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING					
19-21	22-24	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES	75 MINUTES	90 MINUTES
018 FEET	050 FEET	021 FEET	018 FEET	018 FEET	018 FEET		

RECOMMENDED PUMP TYPE:  SHALLOW  DEEP

RECOMMENDED PUMP SETTING: **070** FEET



**FINAL STATUS OF WELL** 1

**WATER USE** 01

**METHOD OF DRILLING** 4

**CONTRACTOR**

NAME OF WELL CONTRACTOR: **McLean Water Supply Ltd.** LICENCE NUMBER: **3504**

ADDRESS: **1532 R ven Ave. Ottawa, O t.**

NAME OF DRILLER OR BORER: **A. Scharf** LICENCE NUMBER: \_\_\_\_\_

SIGNATURE OF CONTRACTOR: *[Signature]* SUBMISSION DATE: DAY **4** NO. **8** YR **83**

**OFFICE USE ONLY**

DATA SOURCE: **1** CONTRACTOR: **3504** DATE RECEIVED: **17 10 83**

DATE OF INSPECTION: \_\_\_\_\_ INSPECTOR: \_\_\_\_\_

REMARKS: \_\_\_\_\_

# WATER WELL RECORD

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

(11)

1518709

MUNICIPALITY 15701

CON. COON

0.3

COUNTY OR DISTRICT: **Carleton** TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: **Richmond** CON. BLOCK, TRACT, SURVEY, ETC.: **Queen St.** LOT: **6022**

OWNER (SURNAME FIRST): **Tri Star Inc.** ADDRESS: **74 Colonel Rd North, Nepean** DATE COMPLETED: DAY **28** MO **10** YR **83**

U 7 **18** V 10 **18** EASTING **434399** NORTHING **5003199** RC **4** SECTION **0310** BASIN CODE **4 26**

## LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
grey	clay	stones		0	15
grey	limestone			15	84

(31) 001520512 0084215

32

(41) WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
10-13 0079	1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
15-18	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
20-23	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
25-28	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
30-33	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL

(51) CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
96 64	1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE	188	0	21
17-18 06	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE		21	84
24-25	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE		27	30

(61) PLUGGING & SEALING RECORD

DEPTH SET AT - FEET	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
0-13 18-21 22-25	0 21 cement grouted
26-29	30-33 80

(71) PUMPING TEST

PUMPING TEST METHOD: 1  PUMP 2  BAILER

PUMPING RATE: 0020 GPM

DURATION OF PUMPING: 01:00 HOURS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING PUMPING					
007	030	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES		
007	030	030	030	030	030	030	030

IF FLOWING GIVE RATE: 38-41 GPM

PUMP INTAKE SET AT: 030 FEET

WATER AT END OF TEST: 1  CLEAR 2  CLOUDY

RECOMMENDED PUMP TYPE: 1  SHALLOW 2  DEEP

RECOMMENDED PUMP SETTING: 030 FEET

RECOMMENDED PUMPING RATE: 0010 GPM

LOCATION OF WELL

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

DRILLERS REMARKS

FINAL STATUS OF WELL: 1  WATER SUPPLY

WATER USE: 01 DOMESTIC

METHOD OF DRILLING: 5 AIR PERCUSSION

CONTRACTOR: **Henry Moring Well Drilling** LICENCE NUMBER: **3644**

ADDRESS: **Box 326 Richmond Ont.**

NAME OF DRILLER OR BORER: **Jim Moring** LICENCE NUMBER:

SIGNATURE OF CONTRACTOR: *[Signature]* SUBMISSION DATE: DAY **29** MO **10** YR **83**

OFFICE USE ONLY

DATA SOURCE: 1 CONTRACTOR: 3644 DATE COMPLETED: 08 11 83

DATE OF INSPECTION: INSPECTOR:

REMARKS:



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# WATER WELL RECORD

31645

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

11

1518712

MUNICIP. 15701

CON. Cdn

03

COUNTY OR DISTRICT: Carleton TOWNSHIP, BOROUGH, CY. TOVN. VILLAGE: Richmond CON. BLOCK TRACT. SURVEY NO.: Queen St. LOT: 022  
Richmond Ont. DATE COMPLETED: DAY 13 MO 10 YR 83

RC. 003299 RC. 4 ELEVATION 0310 RC. 4 BASIN CODE 26

## LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
grey	fill			0	5
grey	limestone			5	43

31 0005201 0003215

### 41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0038	1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
15-18	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
20-23	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
25-28	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
30-33	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL

### 51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET
96	1 <input checked="" type="checkbox"/> STEEL	188	0 to 21
87	2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE		21 to 43
06	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE		43 to 80

### SCREEN

SIZES (S) OF OPENING (SLOT NO. 1)	31-33	DIAMETER	34-38	LENGTH	39-40
MATERIAL AND TYPE	INCHES		FEET		
	DEPTH TO TOP OF SCREEN		41-44		
			FEET		

### 61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET	MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER, ETC.)
0 10-13	21 14-17
	Cement grouted

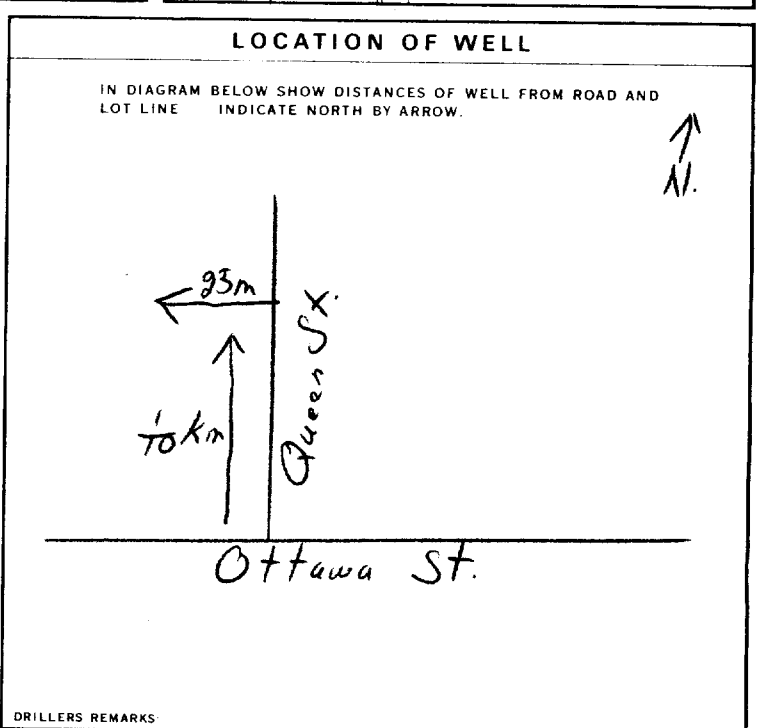
### 71 PUMPING TEST

PUMPING TEST METHOD: 1  PUMP 2  BAILER

PUMPING RATE: 0020 GPM

DURATION OF PUMPING: 01 15-16 HOURS 00 17-18 MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING	RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
010	025	025	1 <input checked="" type="checkbox"/> SHALLOW 2 <input type="checkbox"/> DEEP	025	0010



### FINAL STATUS OF WELL

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

### WATER USE

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

### METHOD OF DRILLING

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

### CONTRACTOR

NAME OF WELL CONTRACTOR: Henry Main's Well Drilling LICENCE NUMBER: 3644  
 ADDRESS: 326 Richmond Ont.  
 NAME OF DRILLER OR BORER: Henry Main LICENCE NUMBER:  
 SIGNATURE OF CONTRACTOR: [Signature] SUBMISSION DATE: DAY 15 MO 10 YR 83

### OFFICE USE ONLY

DATA SOURCE: 1 CONTRACTOR: 3644 DATE RECEIVED: 09 11 83  
 DATE OF INSPECTION: INSPECTOR:  
 REMARKS:

# WATER WELL RECORD

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

11

1518776

MUNICIPALITY 1570.1

CON. 022

03

COUNTY OR DISTRICT: Carleton TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: Richmond CON. BLOCK, TRACT, SURVEY: Queen St. DATE COMPLETED: DAY 15 MO 12 YR 83

ING: 03299 RC: 4 ELEVATION: 031.0 RC: 4 BASIN CODE: 26

## LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
grey	clay	stone		0	6
grey	limestone			6	63

31 0006265/12 0063215

32

### 41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
10-13 <u>0058</u>	1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
15-18	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
20-23	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
25-28	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
30-33	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL

### 51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
<u>96</u> <u>89</u>	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE	<u>188</u>	<u>0</u>	<u>21</u>
<u>06</u>	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE		<u>21</u>	<u>63</u>

### 61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET	MATERIAL AND TYPE	(CEMENT GROUT LEAD PACKER, ETC.)
FROM <u>0</u> TO <u>21</u>	<u>cement</u>	

### 71 PUMPING TEST

PUMPING TEST METHOD: 1  PUMP 2  BAILER

PUMPING RATE: 0020 GPM

DURATION OF PUMPING: 01 HOURS 00 MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING			
19-21 <u>005</u>	22-24 <u>025</u>	15 MINUTES <u>025</u>	30 MINUTES <u>025</u>	45 MINUTES <u>025</u>	60 MINUTES <u>025</u>

IF FLOWING, GIVE RATE: \_\_\_\_\_ GPM

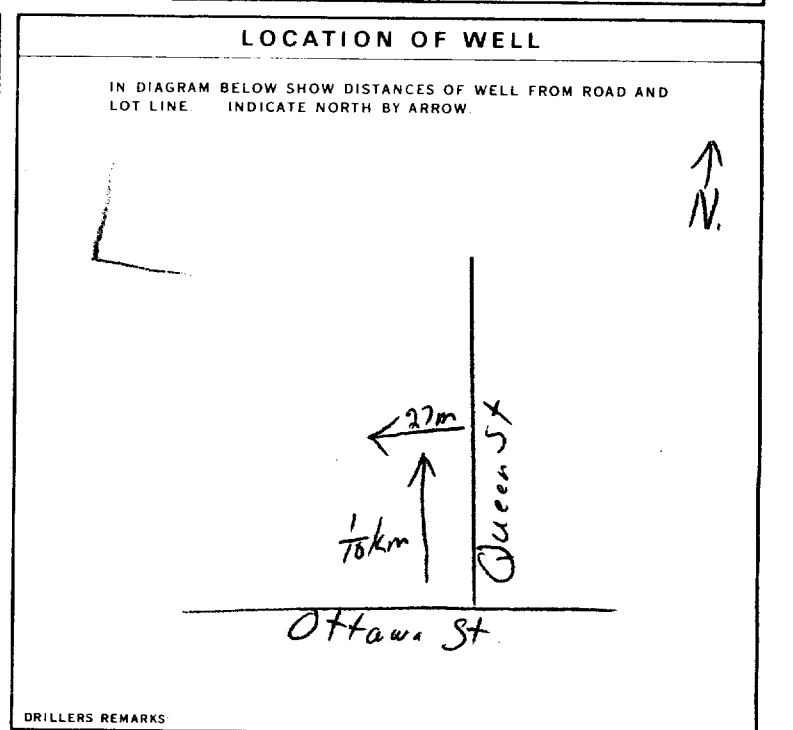
PUMP INTAKE SET AT: \_\_\_\_\_ FEET

WATER AT END OF TEST: 1  CLEAR 2  CLOUDY

RECOMMENDED PUMP TYPE:  SHALLOW  DEEP

RECOMMENDED PUMP SETTING: 025 FEET

RECOMMENDED PUMPING RATE: 0010 GPM



### FINAL STATUS OF WELL

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

### WATER USE

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

### METHOD OF DRILLING

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

### CONTRACTOR

NAME OF WELL CONTRACTOR: Henry Mains Well Drilling LICENCE NUMBER: 3644

ADDRESS: 136 326, Richmond Ont.

NAME OF DRILLER OR BORER: Henry Mains LICENCE NUMBER: \_\_\_\_\_

SIGNATURE OF CONTRACTOR: \_\_\_\_\_ SUBMISSION DATE: DAY 19 MO 12 YR 83

### OFFICE USE ONLY

DATA SOURCE: 1 CONTRACTOR: 3644 DATE RECEIVED: 10 01 84

DATE OF INSPECTION: \_\_\_\_\_ INSPECTOR: \_\_\_\_\_

REMARKS: \_\_\_\_\_

# WATER WELL RECORD

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

11 1518777 MUNICIPAL 15.701 CON. CPN 03  
COUNTY OR DISTRICT *Carleton* TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE *Richmond* CON. BLOCK, TRACT, SURVEY, ETC. *Queen St.* LOT 22 23 24 *#022*  
DATE COMPLETED DAY 07 MO 11 YR 83  
ELEVATION 03.10 BASIN CODE 2.6

## LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
<i>grey</i>	<i>clay</i>	<i>stones</i>		0	2
<i>grey</i>	<i>limestone</i>			2	63

31 000220512 0062215  
32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
10-13 <i>0059</i>	1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
15-18	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
20-23	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
25-28	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
30-33	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
<i>001 1/4</i>	1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE	<i>1/88</i>	<i>0</i>	<i>21</i>
<i>06</i>	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input checked="" type="checkbox"/> OPEN HOLE		<i>21</i>	<i>63</i>

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET	MATERIAL AND TYPE	(CEMENT GROUT LEAD PACKER, ETC.)
10-13		
18-21		
26-29		

71 PUMPING TEST METHOD

1  PUMP 2  BAILER

PUMPING RATE *0050* GPM DURATION OF PUMPING *01 00* HOURS

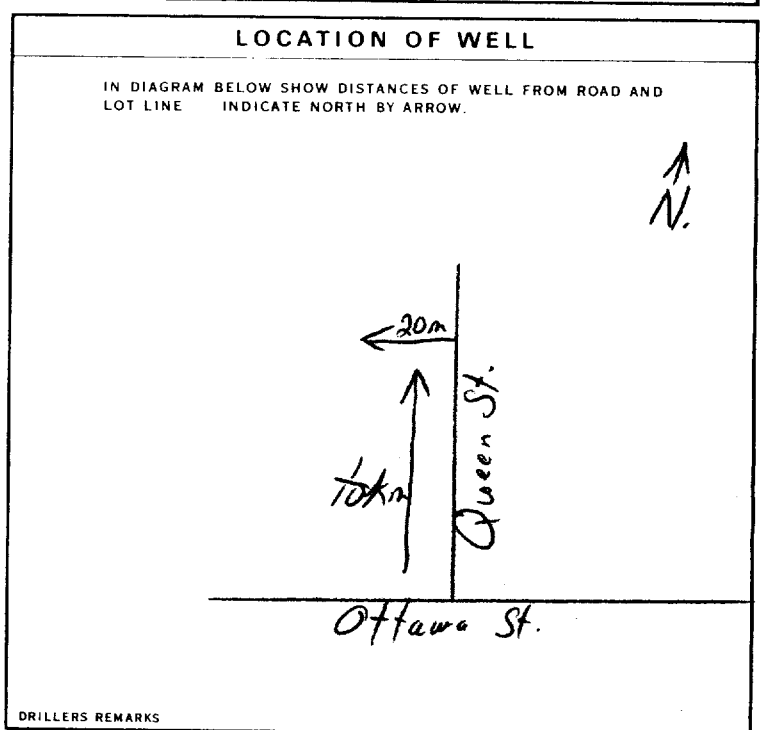
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING			
19-21 <i>006</i>	22-24 <i>025</i>	15 MINUTES <i>025</i>	30 MINUTES <i>025</i>	45 MINUTES <i>025</i>	60 MINUTES <i>025</i>

IF FLOWING, GIVE RATE \_\_\_\_\_ GPM PUMP INTAKE SET AT \_\_\_\_\_ FEET

RECOMMENDED PUMP TYPE  SHALLOW  DEEP

RECOMMENDED PUMP SETTING *025* FEET

RECOMMENDED PUMPING RATE *0010* GPM



FINAL STATUS OF WELL

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

WATER USE

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

METHOD OF DRILLING

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

CONTRACTOR

NAME OF WELL CONTRACTOR *Sherry Marie Well Drilling* LICENCE NUMBER *3644*  
ADDRESS *B6 326, Richmond Ont.*  
NAME OF DRILLER OR BORER *Sherry Marie* LICENCE NUMBER  
SIGNATURE OF CONTRACTOR \_\_\_\_\_ SUBMISSION DATE DAY *12* MO *11* YR *83*

OFFICE USE ONLY

DATA SOURCE *1* CONTRACTOR *3644* DATE RECEIVED *10 01 84*  
DATE OF INSPECTION \_\_\_\_\_ INSPECTOR \_\_\_\_\_  
REMARKS \_\_\_\_\_

# WATER WELL RECORD

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

11

1519025

MUNICIPALITY 15.70.1

CON. C.M.

03

COUNTY OR DISTRICT: Carleton Place TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: Richmond CON. BLOCK, TRACT, SURVEY, ETC.: Queen St. LOT: 5022

Richmond Ont. DATE COMPLETED: DAY 18 MO 05 YR 84

ING: 03299 RC: 4 ELEVATION: 0310 RC: 4 BASIN CODE: 26

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)				
GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	DEPTH - FEET	
			FROM	TO
grey	clay	gravel	0	10
grey	limestone		10	63

31 001020511 0063315

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
10-15 <u>0058</u>	1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
15-18	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
20-23	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
25-28	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
30-33	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET
10-11 <u>06 1/4</u>	1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE	<u>-188</u>	FROM: <u>0</u> TO: <u>22</u>
17-18 <u>06</u>	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE		FROM: <u>22</u> TO: <u>63</u>
24-25	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE		FROM: <u>27</u> TO: <u>30</u>

SCREEN

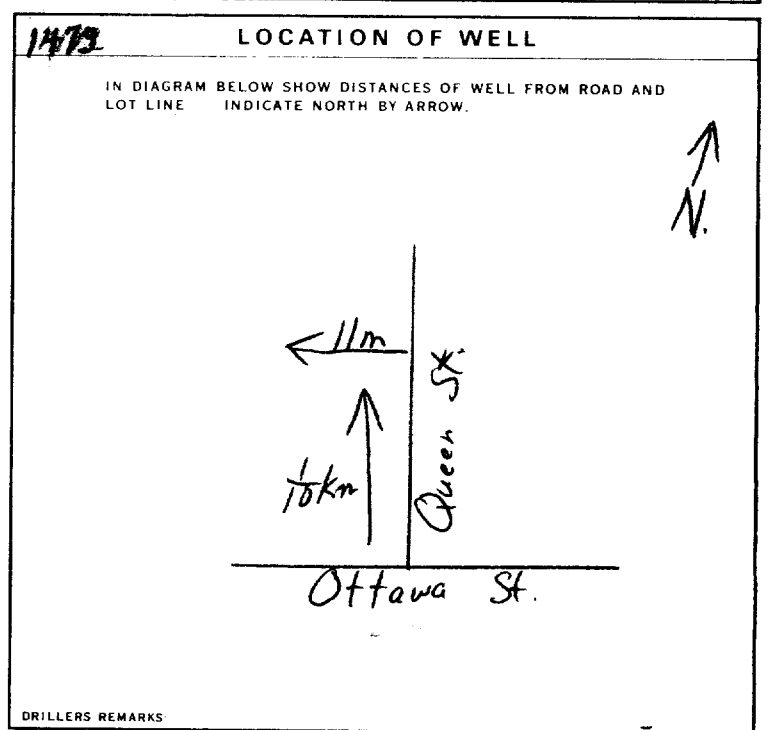
SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
	INCHES	FEET
MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN	
	INCHES	FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
FROM: <u>0</u> TO: <u>22</u>	<u>cannot grouted</u>
18-21	<u>22-25</u>
26-29	<u>30-33</u>

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 <input type="checkbox"/> PUMP 2 <input type="checkbox"/> BAILER	<u>0020</u> GPM	<u>01/00</u> HOURS
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING
<u>006</u> FEET	<u>030</u> FEET	15 MINUTES: <u>030</u> FEET 30 MINUTES: <u>030</u> FEET 45 MINUTES: <u>030</u> FEET 60 MINUTES: <u>030</u> FEET
IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
	<u>030</u> FEET	1 <input type="checkbox"/> CLEAR 2 <input checked="" type="checkbox"/> CLOUDY
RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
<input type="checkbox"/> SHALLOW <input type="checkbox"/> DEEP	<u>030</u> FEET	<u>00/0</u> GPM



FINAL STATUS OF WELL

WATER USE

METHOD OF DRILLING

CONTRACTOR

NAME OF WELL CONTRACTOR: Henry Maine Well Drilling LICENCE NUMBER: 3644

ADDRESS: Box 326 Richmond Ont.

NAME OF DRILLER OR BORER: [Signature] LICENCE NUMBER:

SIGNATURE OF CONTRACTOR: [Signature] SUBMISSION DATE: DAY 20 MO 5 YR 84

OFFICE USE ONLY

DATA SOURCE: 1 CONTRACTOR: 3644 DATE RECEIVED: 030784

DATE OF INSPECTION: INSPECTOR:

REMARKS:



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

11

1519027

MUNICIPALITY 15701

CON. C9N

03

COUNTY OR DISTRICT: Carleton Place TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: Richmond CON. BLOCK, TRACT, SURVEY ETC.: Queen St LOT: 023  
Richmond Ont. DATE COMPLETED: DAY 02 MO 05 YR 84  
 GRID: 03199 4 0310 4 26

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)					
GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
grey	clay	stone		0	12
grey	hardpan			12	19
grey	limestone			19	84

31 001270512 0019214 0084215  
32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER			
10-13	1 <input checked="" type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR	4 <input type="checkbox"/> MINERAL	14
15-18	1 <input type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR	4 <input type="checkbox"/> MINERAL	19
20-23	1 <input type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR	4 <input type="checkbox"/> MINERAL	24
25-28	1 <input type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR	4 <input type="checkbox"/> MINERAL	29
30-33	1 <input type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR	4 <input type="checkbox"/> MINERAL	34

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
06-11	1 <input checked="" type="checkbox"/> STEEL	12	0	13-16
12-17	2 <input type="checkbox"/> GALVANIZED	188	0	17-18
17-18	1 <input type="checkbox"/> CONCRETE			20-23
18-19	4 <input type="checkbox"/> OPEN HOLE			24-25
20-23	1 <input type="checkbox"/> STEEL			27-30
24-25	2 <input type="checkbox"/> GALVANIZED			
26-27	3 <input type="checkbox"/> CONCRETE			
28-29	4 <input type="checkbox"/> OPEN HOLE			

SCREEN

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

61 PLUGGING & SEALING RECORD

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

71 PUMPING TEST METHOD

1  PUMP 2  BAILER

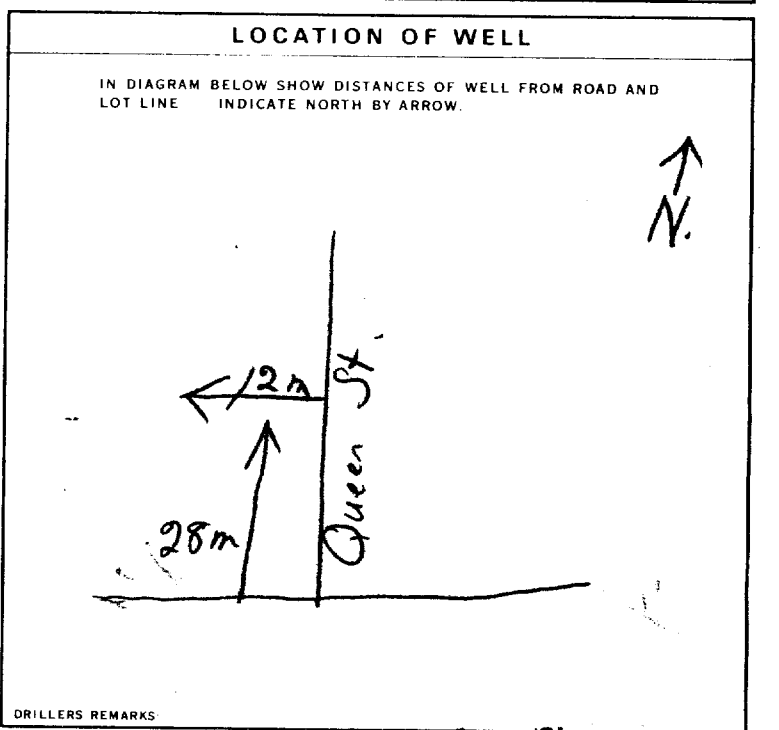
PUMPING RATE: 0020 GPM DURATION OF PUMPING: 01:00 HOURS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING PUMPING			
19-21	030	15-MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
FEET	FEET	FEET	FEET	FEET	FEET
	030	030	030	030	030

IF FLOWING, GIVE RATE: 38-41 GPM PUMP INTAKE SET AT: FEET WATER AT END OF TEST: 42

RECOMMENDED PUMP TYPE: 1  SHALLOW 2  DEEP

RECOMMENDED PUMP SETTING: 030 FEET RECOMMENDED PUMPING RATE: 0006 GPM



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

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

METHOD OF DRILLING: 5  AIR PERCUSSION 1  CABLE TOOL 6  BORING 2  ROTARY (CONVENTIONAL) 7  DIAMOND 3  ROTARY (REVERSE) 8  JETTING 4  ROTARY (AIR) 9  DRIVING

CONTRACTOR: Henry Mains Well Drilling 3644  
 ADDRESS: Box 326 Richmond Ont.  
 SIGNATURE: H. Mains  
 SUBMISSION DATE: DAY 2 MO 5 YR 84

OFFICE USE ONLY

DATA SOURCE: 1 CONTRACTOR: 3644 DATE RECEIVED: 030784

DATE OF INSPECTION: INSPECTOR:

REMARKS:



Ministry of the Environment  
Ontario

# The Ontario Water Resources Act

# WATER WELL RECORD

31647

1519329

MUNICIPALITY: 15701 CON: COW LOT: 03

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

11

COUNTY OR DISTRICT: Ottawa-Carleton  
TOWNSHIP, BOROUGH, CITY TOWN, VILLAGE: Village of Richmond  
CON. BLOCK TRACT SURVEY ETC: Burke St.  
LOT: 128  
DATE COMPLETED: DAY 25 MO 08 YR 84  
ADDRESS: [Redacted] Richmond, Ontario.

ENCLOSURE: 03599 RC: 4 ELEVATION: 0310 RC: 4 BASIN CODE: 26

### LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
	Sandy clay			0	7
Grey	Limestone			7	53

31 0007 0581 005315

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0043	1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
06	1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE	.188"	0	16
06	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input checked="" type="checkbox"/> OPEN HOLE		16	53

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET	MATERIAL AND TYPE	CEMENT GROUT LEAD PACKER ETC.
10-13		
18-21		
26-29		

71 PUMPING TEST

PUMPING TEST METHOD: 1  PUMP 2  BAILER

PUMPING RATE: 0008 GPM

DURATION OF PUMPING: 01 HOUR 00 MINS

STATIC LEVEL: 010 FEET

WATER LEVEL END OF PUMPING: 045 FEET

WATER LEVELS DURING:

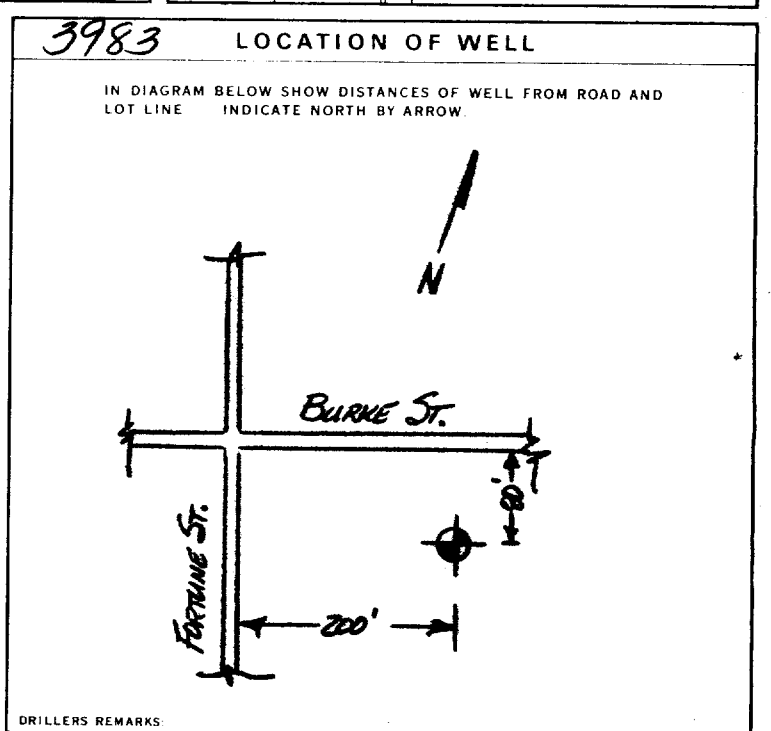
15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
010	010	010	010

PUMP INTAKE SET AT: 45 FEET

RECOMMENDED PUMP TYPE:  SHALLOW  DEEP

RECOMMENDED PUMP SETTING: 030 FEET

RECOMMENDED PUMP RATE: 0005 GPM



FINAL STATUS OF WELL: 1

WATER USE: 01

METHOD OF DRILLING: 5

CONTRACTOR: Stanton Drilling Inc. LICENCE NUMBER: 4875  
ADDRESS: Box 219, Pakenham, Ontario.  
NAME OF DRILLER OR BORER: Peter Stanton LICENCE NUMBER:  
SIGNATURE OF CONTRACTOR: [Signature] SUBMISSION DATE: DAY 19 MO 09 YR 84

OFFICE USE ONLY

DATA SOURCE: 1 CONTRACTOR: 4875 DATE RECEIVED: 011084  
DATE OF INSPECTION: INSPECTOR:  
REMARKS:

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

11 1524982 15704 CON 102

COUNTY OR DISTRICT: *Carleton* TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: *Richmond (Leadbarn)* CON. BLOCK, TRACT, SURVEY, ETC.: *Com 2* LOT: *22*

DATE COMPLETED: DAY *29* MO *8* YR *90*

**LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)**

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
<i>grey</i>	<i>clay</i>	<i>gravel</i>		<i>0</i>	<i>5</i>
<i>grey</i>	<i>limestone</i>			<i>5</i>	<i>83</i>

31 32

**41 WATER RECORD**

WATER FOUND AT - FEET	KIND OF WATER					
<i>76</i>	<input checked="" type="checkbox"/> FRESH	<input type="checkbox"/> SALTY	<input type="checkbox"/> SULPHUR	<input type="checkbox"/> MINERALS	<input type="checkbox"/> GAS	
	<input type="checkbox"/> FRESH	<input type="checkbox"/> SALTY	<input type="checkbox"/> SULPHUR	<input type="checkbox"/> MINERALS	<input type="checkbox"/> GAS	
	<input type="checkbox"/> FRESH	<input type="checkbox"/> SALTY	<input type="checkbox"/> SULPHUR	<input type="checkbox"/> MINERALS	<input type="checkbox"/> GAS	
	<input type="checkbox"/> FRESH	<input type="checkbox"/> SALTY	<input type="checkbox"/> SULPHUR	<input type="checkbox"/> MINERALS	<input type="checkbox"/> GAS	

**51 CASING & OPEN HOLE RECORD**

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
<i>69</i>	<input checked="" type="checkbox"/> STEEL <input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input type="checkbox"/> OPEN HOLE <input type="checkbox"/> PLASTIC	<i>188</i>	<i>0</i>	<i>22</i>
<i>6</i>	<input checked="" type="checkbox"/> STEEL <input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input type="checkbox"/> OPEN HOLE <input type="checkbox"/> PLASTIC		<i>22</i>	<i>83</i>

**SCREEN**

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

MATERIAL AND TYPE: \_\_\_\_\_ DEPTH TO TOP OF SCREEN: \_\_\_\_\_ FEET

**61 PLUGGING & SEALING RECORD**

DEPTH SET AT - FEET	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
<i>0-22</i>	<i>Cement grouted</i>

**71 PUMPING TEST**

PUMPING TEST METHOD:  *Ac*  BAILER

PUMPING RATE: *25* GPM

DURATION OF PUMPING: *1* HOUR *0* MIN.

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING			
<i>8</i>	<i>70</i>	15 MINUTES: <i>70</i>	30 MINUTES: <i>70</i>	45 MINUTES: <i>70</i>	60 MINUTES: <i>70</i>

RECOMMENDED PUMP TYPE:  SHALLOW  DEEP

RECOMMENDED PUMP SETTING: *70* FEET

RECOMMENDED PUMPING RATE: *20* GPM

**LOCATION OF WELL**

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

68468

**FINAL STATUS OF WELL**

TEST HOLE

**WATER USE**

DOMESTIC

**METHOD OF CONSTRUCTION**

AIR PERCUSSION

**CONTRACTOR**

NAME OF WELL CONTRACTOR: *H. Marris Well Drilling*

WELL CONTRACTOR'S LICENCE NUMBER: *3644*

ADDRESS: *Box 326, Richmond Ont.*

NAME OF WELL TECHNICIAN: *[Signature]*

WELL TECHNICIAN'S LICENCE NUMBER: \_\_\_\_\_

SIGNATURE OF TECHNICIAN/CONTRACTOR: *[Signature]*

SUBMISSION DATE: \_\_\_\_\_

**OFFICE USE ONLY**

DATA SOURCE: \_\_\_\_\_

CONTRACTOR: *3644*

DATE RECEIVED: *SEP 17 1990*

DATE OF INSPECTION: \_\_\_\_\_

INSPECTOR: \_\_\_\_\_

REMARKS: \_\_\_\_\_



Ministry of the Environment  
Ontario

# The Ontario Water Resources Act WATER WELL RECORD

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

11

1524983

MUNICIPALITY 15704

CON. 102

COUNTY OR DISTRICT: *Carleton Place* TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: *Richmond (Okauchena)* CON. BLOCK, TRACT, SURVEY, ETC.: *Con 2* LOT: *22*

DATE COMPLETED: DAY *29* MO *8* YR *90*

## LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
<i>grey</i>	<i>clay</i>	<i>gravel</i>		<i>0</i>	<i>1</i>
<i>grey</i>	<i>limestone</i>			<i>1</i>	<i>123</i>

31 32

### 41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER					
10-13 <i>118</i>	<input checked="" type="checkbox"/> FRESH	<input type="checkbox"/> SALTY	<input type="checkbox"/> SULPHUR	<input type="checkbox"/> MINERALS	<input type="checkbox"/> GAS	
15-18	<input type="checkbox"/> FRESH	<input type="checkbox"/> SALTY	<input type="checkbox"/> SULPHUR	<input type="checkbox"/> MINERALS	<input type="checkbox"/> GAS	
20-23	<input type="checkbox"/> FRESH	<input type="checkbox"/> SALTY	<input type="checkbox"/> SULPHUR	<input type="checkbox"/> MINERALS	<input type="checkbox"/> GAS	
25-28	<input type="checkbox"/> FRESH	<input type="checkbox"/> SALTY	<input type="checkbox"/> SULPHUR	<input type="checkbox"/> MINERALS	<input type="checkbox"/> GAS	
30-33	<input type="checkbox"/> FRESH	<input type="checkbox"/> SALTY	<input type="checkbox"/> SULPHUR	<input type="checkbox"/> MINERALS	<input type="checkbox"/> GAS	

### 51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
<i>6 7/8</i>	<input checked="" type="checkbox"/> STEEL <input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input type="checkbox"/> OPEN HOLE <input type="checkbox"/> PLASTIC	<i>1/88</i>	<i>0</i>	<i>22</i>
<i>6</i>	<input checked="" type="checkbox"/> STEEL <input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input type="checkbox"/> OPEN HOLE <input type="checkbox"/> PLASTIC		<i>22</i>	<i>123</i>
24-25	<input type="checkbox"/> STEEL <input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input type="checkbox"/> OPEN HOLE <input type="checkbox"/> PLASTIC			27-30

### SCREEN

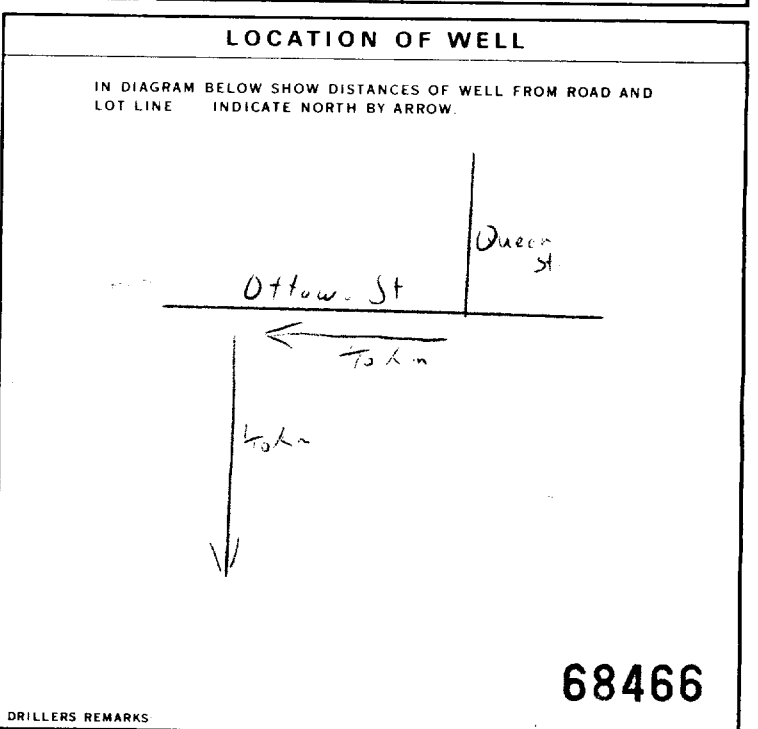
SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET

### 61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
<i>0</i> to <i>22</i>	<i>Cement grouted</i>
<i>18-21</i> to <i>22-25</i>	
26-29	30-33

### 71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE GPM	DURATION OF PUMPING HOURS
<input checked="" type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER	<i>5</i>	<i>1</i> HOURS <i>0</i> MINS
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING
<i>8</i> FEET	<i>110</i> FEET	15 MINUTES: <i>110</i> FEET 30 MINUTES: <i>110</i> FEET 45 MINUTES: <i>110</i> FEET 60 MINUTES: <i>110</i> FEET
IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
	<i>110</i> FEET	<i>5</i> FEET
RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
<input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/> DEEP	<i>110</i> FEET	<i>5</i> GPM



### FINAL STATUS OF WELL

<input type="checkbox"/> WATER SUPPLY	<input type="checkbox"/> ABANDONED, INSUFFICIENT SUPPLY
<input type="checkbox"/> OBSERVATION WELL	<input type="checkbox"/> ABANDONED POOR QUALITY
<input checked="" type="checkbox"/> TEST HOLE	<input type="checkbox"/> UNFINISHED
<input type="checkbox"/> RECHARGE WELL	<input type="checkbox"/> DEWATERING

### WATER USE

<input checked="" type="checkbox"/> DOMESTIC	<input type="checkbox"/> COMMERCIAL
<input type="checkbox"/> STOCK	<input type="checkbox"/> MUNICIPAL
<input type="checkbox"/> IRRIGATION	<input type="checkbox"/> PUBLIC SUPPLY
<input type="checkbox"/> INDUSTRIAL	<input type="checkbox"/> COOLING OR AIR CONDITIONING
<input type="checkbox"/> OTHER	<input type="checkbox"/> NOT USED

### METHOD OF CONSTRUCTION

<input type="checkbox"/> CABLE TOOL	<input type="checkbox"/> BORING
<input type="checkbox"/> ROTARY (CONVENTIONAL)	<input type="checkbox"/> DIAMOND
<input type="checkbox"/> ROTARY (REVERSE)	<input type="checkbox"/> JETTING
<input type="checkbox"/> ROTARY (AIR)	<input type="checkbox"/> DRIVING
<input checked="" type="checkbox"/> AIR PERCUSSION	<input type="checkbox"/> DIGGING <input type="checkbox"/> OTHER

### CONTRACTOR

NAME OF WELL CONTRACTOR: *The Maine Well Drilling*  
WELL CONTRACTOR'S LICENCE NUMBER: *3644*

ADDRESS: *Box 326, Richmond Ont.*

NAME OF WELL TECHNICIAN: *[Signature]*  
WELL TECHNICIAN'S LICENCE NUMBER: \_\_\_\_\_

SIGNATURE OF TECHNICIAN/CONTRACTOR: *[Signature]*  
SUBMISSION DATE: DAY \_\_\_\_\_ MO \_\_\_\_\_ YR \_\_\_\_\_

### OFFICE USE ONLY

DATA SOURCE: \_\_\_\_\_ CONTRACTOR: **3644** DATE RECEIVED: **SEP 17 1990**

DATE OF INSPECTION: \_\_\_\_\_ INSPECTOR: \_\_\_\_\_

REMARKS: \_\_\_\_\_

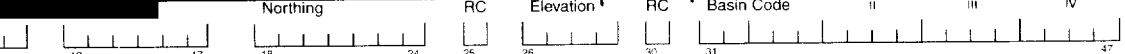
Print only in spaces provided. Mark correct box with a checkmark, where applicable.

11

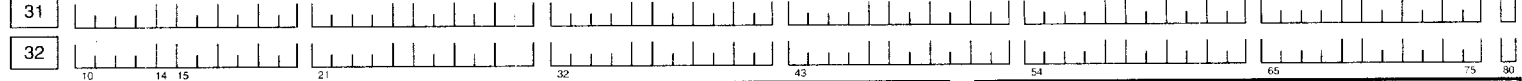
1531697

Municipality 15003 Con. COX 03

County or District: Ottawa-Carleton; Township/Borough/City/Town/Village: Goulbourn; Con block tract survey, etc.: 3; Lot: 24; Address: Richmond, Ont; Date completed: 29 11 00



LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions). Table with columns: General colour, Most common material, Other materials, General description, Depth - feet (From, To). Handwritten entry: grey limestone, Deepened, 140 to 220.



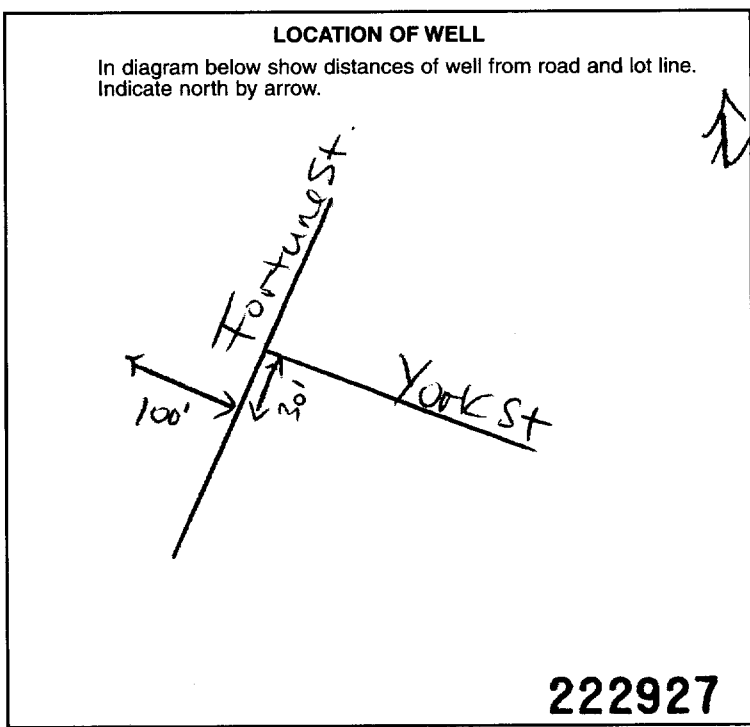
41 WATER RECORD. Table with columns: Water found at - feet, Kind of water. Entries: 204, 176.

51 CASING & OPEN HOLE RECORD. Table with columns: Inside diam inches, Material, Wall thickness inches, Depth - feet (From, To). Includes handwritten notes and a diagonal line through the table.

SCREEN. Table with columns: Sizes of opening (Slot No.), Diameter inches, Length feet, Material and type, Depth at top of screen feet.

61 PLUGGING & SEALING RECORD. Table with columns: Depth set at - feet (From, To), Material and type (Cement grout, bentonite, etc.).

71 PUMPING TEST. Table with columns: Pumping test method, Pumping rate, Duration of pumping, Static level, Water level end of pumping, Water levels during, If flowing give rate, Recommended pump type, Recommended pump setting, Recommended pump rate.



FINAL STATUS OF WELL, WATER USE, METHOD OF CONSTRUCTION. Multiple choice sections for well status, use, and construction method.

Name of Well Contractor: Air-Rock Drilling Co Ltd; Well Contractor's Licence No.: 1119; Name of Well Technician: Kenny Desautels; Well Technician's Licence No.: TY; Submission date: 07 12 00.

MINISTRY USE ONLY. Data source: 1119; Date received: JAN 05 2001; Inspector; Remarks: CSS.ES1.

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

11

1531858

Municipality 15003 Con. CON 03

County or District <b>Ottawa Carleton</b>		Township/Borough/City/Town/Village <b>Goulbourn</b>		Con block tract survey, etc. <b>3</b>		Lot <b>25-27</b>	
Owner's surname <b>St. Philips School</b>		First Name <b>O/C/C/S/B/</b>		Address <b>1695 Merivale Rd., Nepean ON. K2G 3R4</b>		Date completed <b>05 04 01</b> day month year	

Zone	Easting	Northing	RC	Elevation	RC	Basin Code	ii	iii	iv
10	12	17	18	24	25	26	30	31	47

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)					
General colour	Most common material	Other materials	General description	Depth - feet	
				From	To
	<b>WELL ABANDONMENT.</b>				77

31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50

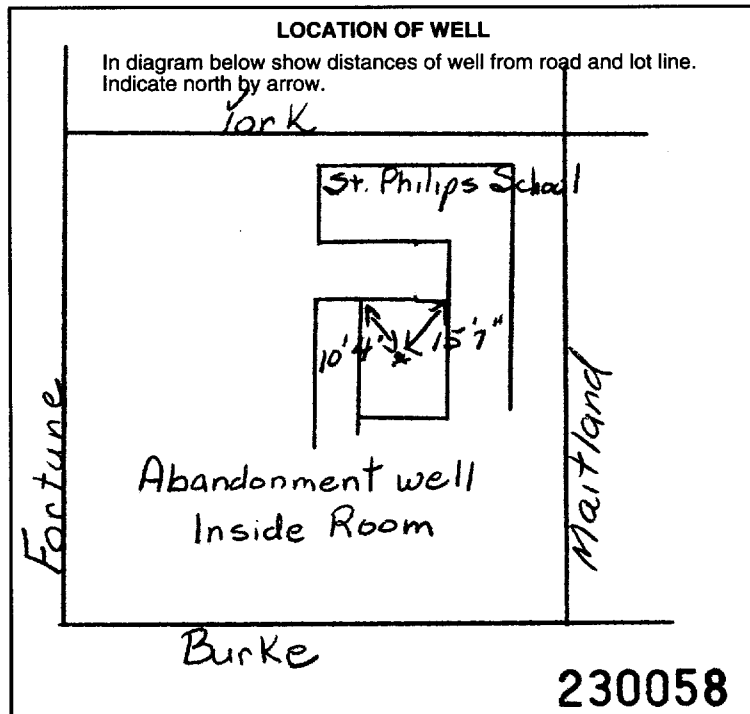
41 WATER RECORD			
Water found at - feet	Kind of water		
10-13	<input type="checkbox"/> Fresh	<input type="checkbox"/> Sulphur	<input type="checkbox"/> Minerals
	<input type="checkbox"/> Salty	<input type="checkbox"/> Gas	
15-18	<input type="checkbox"/> Fresh	<input type="checkbox"/> Sulphur	<input type="checkbox"/> Minerals
	<input type="checkbox"/> Salty	<input type="checkbox"/> Gas	
20-23	<input type="checkbox"/> Fresh	<input type="checkbox"/> Sulphur	<input type="checkbox"/> Minerals
	<input type="checkbox"/> Salty	<input type="checkbox"/> Gas	
25-28	<input type="checkbox"/> Fresh	<input type="checkbox"/> Sulphur	<input type="checkbox"/> Minerals
	<input type="checkbox"/> Salty	<input type="checkbox"/> Gas	
30-33	<input type="checkbox"/> Fresh	<input type="checkbox"/> Sulphur	<input type="checkbox"/> Minerals
	<input type="checkbox"/> Salty	<input type="checkbox"/> Gas	

51 CASING & OPEN HOLE RECORD				
Inside diam inches	Material	Wall thickness inches	Depth - feet	
			From	To
10-11	<input type="checkbox"/> Steel			13-16
	<input type="checkbox"/> Galvanized			
	<input type="checkbox"/> Concrete			
	<input type="checkbox"/> Open hole			
	<input type="checkbox"/> Plastic			
17-18	<input type="checkbox"/> Steel			20-23
	<input type="checkbox"/> Galvanized			
	<input type="checkbox"/> Concrete			
	<input type="checkbox"/> Open hole			
	<input type="checkbox"/> Plastic			
24-25	<input type="checkbox"/> Steel			27-30
	<input type="checkbox"/> Galvanized			
	<input type="checkbox"/> Concrete			
	<input type="checkbox"/> Open hole			
	<input type="checkbox"/> Plastic			

SCREEN	Sizes of opening (Slot No.)	Diameter	Length
	31-33	34-38 inches	39-40 feet
	Material and type		Depth at top of screen 41-44 feet

61 PLUGGING & SEALING RECORD			
<input type="checkbox"/> Annular space		<input checked="" type="checkbox"/> Abandonment	
Depth set at - feet		Material and type (Cement grout, bentonite, etc.)	
From	To		
0	77	3/8" holeplug (40)	
18-21	22-25		
26-29	30-33		

71 PUMPING TEST	Pumping test method		Pumping rate		Duration of pumping	
	1 <input type="checkbox"/> Pump 2 <input type="checkbox"/> Bailor		GPM		Hours Mins	
	Static level	Water level end of pumping	Water levels during			
	19-21 feet	22-24 feet	15 minutes 26-28 feet	30 minutes 29-31 feet	45 minutes 32-34 feet	60 minutes 35-37 feet
	If flowing give rate	GPM	Pump intake set at	feet	Water at end of test	feet
<input type="checkbox"/> Shallow <input type="checkbox"/> Deep		Recommended pump setting	feet	Recommended pump rate	GPM	



FINAL STATUS OF WELL			
<input type="checkbox"/> Water supply	<input type="checkbox"/> Abandoned, insufficient supply	<input type="checkbox"/> Unfinished	
<input type="checkbox"/> Observation well	<input type="checkbox"/> Abandoned, poor quality	<input type="checkbox"/> Replacement well	
<input type="checkbox"/> Test hole	<input type="checkbox"/> Abandoned (Other)		
<input type="checkbox"/> Recharge well	<input type="checkbox"/> Dewatering		

WATER USE			
<input type="checkbox"/> Domestic	<input type="checkbox"/> Commercial	<input type="checkbox"/> Not use	
<input type="checkbox"/> Stock	<input type="checkbox"/> Municipal	<input type="checkbox"/> Other	
<input type="checkbox"/> Irrigation	<input type="checkbox"/> Public supply		
<input type="checkbox"/> Industrial	<input type="checkbox"/> Cooling & air conditioning		

METHOD OF CONSTRUCTION			
<input type="checkbox"/> Cable tool	<input type="checkbox"/> Air percussion	<input type="checkbox"/> Driving	
<input type="checkbox"/> Rotary (conventional)	<input type="checkbox"/> Boring	<input type="checkbox"/> Digging	
<input type="checkbox"/> Rotary (reverse)	<input type="checkbox"/> Diamond	<input type="checkbox"/> Other	
<input type="checkbox"/> Rotary (air)	<input type="checkbox"/> Jetting		

Name of Well Contractor <b>Capital Water Supply Ltd.</b>	Well Contractor's Licence No. <b>1558</b>
Address <b>Box 490, Stittsville, ON. K2S 1A6</b>	
Name of Well Technician <b>S. Miller</b>	Well Technician's Licence No. <b>T0097</b>
Signature of Technician/Contractor <i>S. Miller</i>	Submission date <b>09 mo 04 yr 01</b>

MINISTRY USE ONLY	Data source <b>1558</b>	Date received <b>MAY 25 2001</b>
	Date of inspection	Inspector
	Remarks <b>CSS.ES1</b>	

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

11

1532281

Municipality 15701 Con. Parts Plan 4R16195

County or District <b>Ottawa-Carleton</b>		Township/Borough/City/Town/Village <b>Richmond</b>		Con block tract survey, etc. <b>6297 Ottawa St #3</b>		Lot <b>23</b>	
Owner's surname <b>Glennon Holmes</b>		First Name <b>Richmond, Ont</b>		Address <b>Richmond, Ont</b>		Date completed <b>01 08 01</b> day month year	

Zone Easting Northing RC Elevation RC Basin Code

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)					
General colour	Most common material	Other materials	General description	Depth - feet	
				From	To
	<b>Sand</b>	<b>gravel</b>		<b>0</b>	<b>28</b>
<b>grey</b>	<b>limestone</b>			<b>28</b>	<b>63</b>

31 32

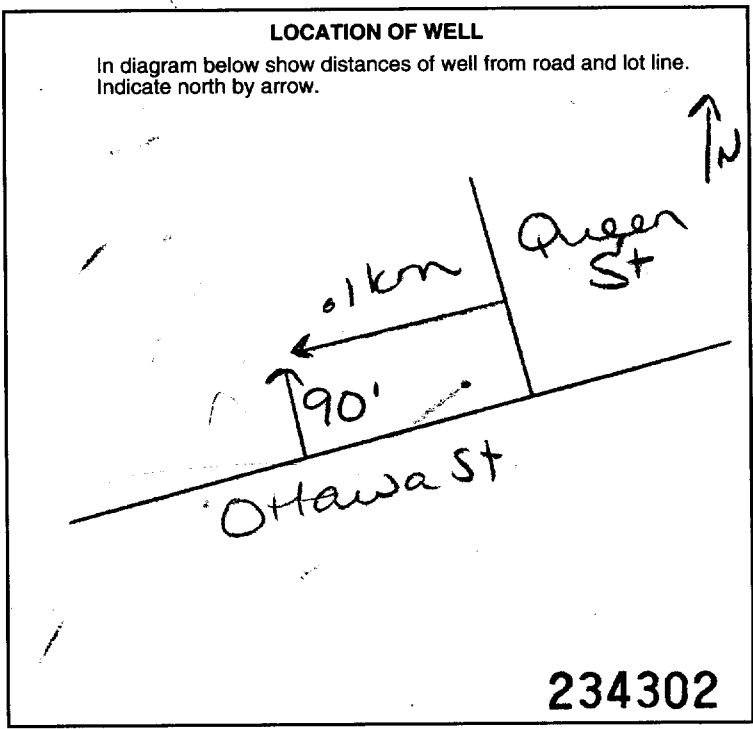
41 WATER RECORD			
Water found at - feet	Kind of water		
<b>50</b>	<input checked="" type="checkbox"/> Fresh	<input type="checkbox"/> Sulphur	<input type="checkbox"/> Minerals
	<input type="checkbox"/> Salty	<input type="checkbox"/> Gas	
<b>53</b>	<input checked="" type="checkbox"/> Fresh	<input type="checkbox"/> Sulphur	<input type="checkbox"/> Minerals
	<input type="checkbox"/> Salty	<input type="checkbox"/> Gas	
<b>55</b>	<input checked="" type="checkbox"/> Fresh	<input type="checkbox"/> Sulphur	<input type="checkbox"/> Minerals
	<input type="checkbox"/> Salty	<input type="checkbox"/> Gas	

51 CASING & OPEN HOLE RECORD				
Inside diam inches	Material	Wall thickness inches	Depth - feet	
			From	To
<b>6 1/4</b>	<input checked="" type="checkbox"/> Steel	<b>188</b>	<b>0</b>	<b>33</b>
<b>8 3/4</b>	<input type="checkbox"/> Steel		<b>0</b>	<b>31</b>
<b>6</b>	<input checked="" type="checkbox"/> Open hole		<b>31</b>	<b>63</b>

SCREEN	Sizes of opening (Slot No.)	Diameter inches	Length feet

61 PLUGGING & SEALING RECORD		
Depth set at - feet		Material and type (Cement grout, bentonite, etc.)
From	To	
<b>2</b>	<b>33</b>	<b>Cement grout</b>

71 PUMPING TEST		Pumping rate	Duration of pumping
<input checked="" type="checkbox"/> Pump	<input type="checkbox"/> Bailor	<b>25</b> GPM	<b>1</b> Hours <b>17</b> Mins
Static level	Water level end of pumping	Water levels during	
<b>13</b> feet	<b>50</b> feet	<b>13</b> feet	<b>13</b> feet
If flowing give rate	Pump intake set at	Water at end of test	
	<b>50</b> feet	<input type="checkbox"/> Clear <input checked="" type="checkbox"/> Cloudy	
Recommended pump type	Recommended pump setting	Recommended pump rate	
<input checked="" type="checkbox"/> Shallow <input type="checkbox"/> Deep	<b>50</b> feet	<b>25</b> GPM	



54 FINAL STATUS OF WELL		
<input checked="" type="checkbox"/> Water supply	<input type="checkbox"/> Abandoned, insufficient supply	<input type="checkbox"/> Unfinished
<input type="checkbox"/> Observation well	<input type="checkbox"/> Abandoned, poor quality	<input type="checkbox"/> Replacement well
<input type="checkbox"/> Test hole	<input type="checkbox"/> Abandoned (Other)	
<input type="checkbox"/> Recharge well	<input type="checkbox"/> Dewatering	

55-56 WATER USE		
<input checked="" type="checkbox"/> Domestic	<input type="checkbox"/> Commercial	<input type="checkbox"/> Not use
<input type="checkbox"/> Stock	<input type="checkbox"/> Municipal	<input type="checkbox"/> Other
<input type="checkbox"/> Irrigation	<input type="checkbox"/> Public supply	
<input type="checkbox"/> Industrial	<input type="checkbox"/> Cooling & air conditioning	

57 METHOD OF CONSTRUCTION		
<input type="checkbox"/> Cable tool	<input checked="" type="checkbox"/> Air percussion	<input type="checkbox"/> Driving
<input type="checkbox"/> Rotary (conventional)	<input type="checkbox"/> Boring	<input type="checkbox"/> Digging
<input type="checkbox"/> Rotary (reverse)	<input type="checkbox"/> Diamond	<input type="checkbox"/> Other
<input type="checkbox"/> Rotary (air)	<input type="checkbox"/> Jetting	

Name of Well Contractor <b>Arko Drilling Ltd</b>	Well Contractor's Licence No. <b>1119</b>
Address <b>RR #2 Jasper, Ont</b>	
Name of Well Technician <b>Shannon Purcell</b>	Well Technician's Licence No. <b>Ta122</b>
Signature of Technician/Contractor <i>[Signature]</i>	Submission date <b>12 08 01</b>

MINISTRY USE ONLY	Data source	Contractor	Date received
		<b>1119</b>	<b>SEP 20 2001</b>
	Date of inspection	Inspector	
Remarks			<b>CSS.ES1</b>

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

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1532446

Municipality 15701 Con.

93A Queen St

County or District: Ottawa Carleton; Township/Borough/City/Town/Village: Richmond; Con block tract survey, etc.: NA; Lot: NA; Owner's surname: Glenlyn Homes; First Name: Richmond, ont; Date completed: 18 09 01

Zone, Easting, Northing, RC, Elevation, RC, Basin Code scales

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions) table with columns: General colour, Most common material, Other materials, General description, Depth - feet (From, To)

31, 32 scales

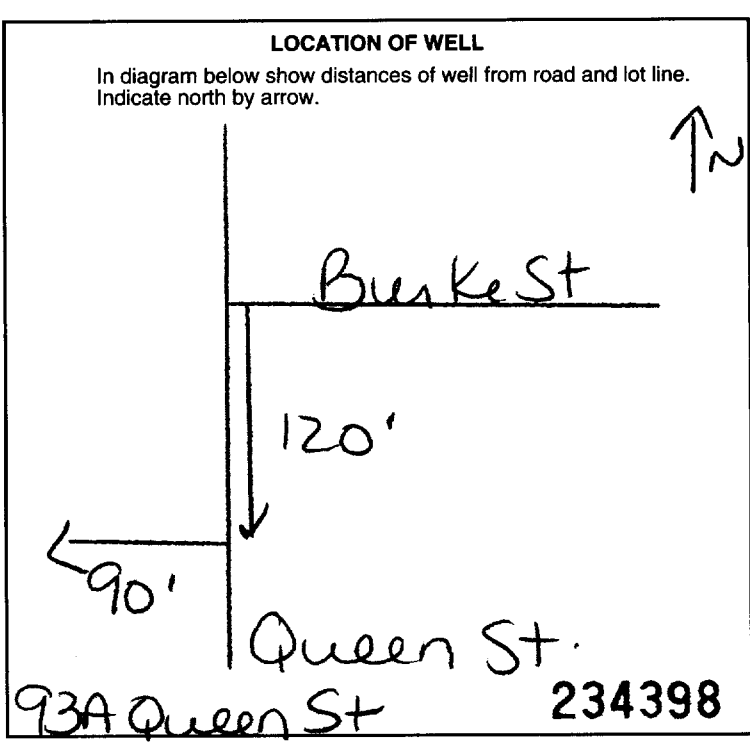
41 WATER RECORD table with columns: Water found at - feet, Kind of water

51 CASING & OPEN HOLE RECORD table with columns: Inside diam inches, Material, Wall thickness inches, Depth - feet (From, To)

SCREEN table with columns: Sizes of opening (Slot No.), Diameter inches, Length feet, Material and type, Depth at top of screen feet

61 PLUGGING & SEALING RECORD table with columns: Annular space, Abandonment, Depth set at - feet (From, To), Material and type (Cement grout, bentonite, etc.)

71 PUMPING TEST table with columns: Pumping test method, Pumping rate, Duration of pumping, Water levels during, Pump intake set at, Recommended pump type, Recommended pump setting



FINAL STATUS OF WELL, WATER USE, METHOD OF CONSTRUCTION sections with checkboxes for various well types and construction methods.

Name of Well Contractor: Airloch Drilling Ltd; Well Contractor's Licence No.: 1119; Address: RR#2 Jasper, Ont; Name of Well Technician: Shannon Purcell; Well Technician's Licence No.: T2122; Submission date: 10 10 01

MINISTRY USE ONLY section with Data source: 1119; Date received: NOV 02 2001; Inspector; Remarks: CSS.ES1



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

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1532447

Municipality **15701** Con.

95 Queen St

County or District <b>Ottawa-Carleton</b>		Township/Borough/City/Town/Village <b>Richmond</b>		Con block tract survey, etc. <b>NA</b>		Lot <b>NA</b>	
Owner's surname <b>Glennlyn Homes</b>		First Name		Address <b>Richmond, Ont</b>		Date completed <b>18 09 01</b> day month year	

Zone Easting Northing RC Elevation RC Basin Code ii iii iv

General colour	Most common material	Other materials	General description	Depth - feet	
				From	To
	Sand	boulders		0	12
grey	limestone			12	65

31 32

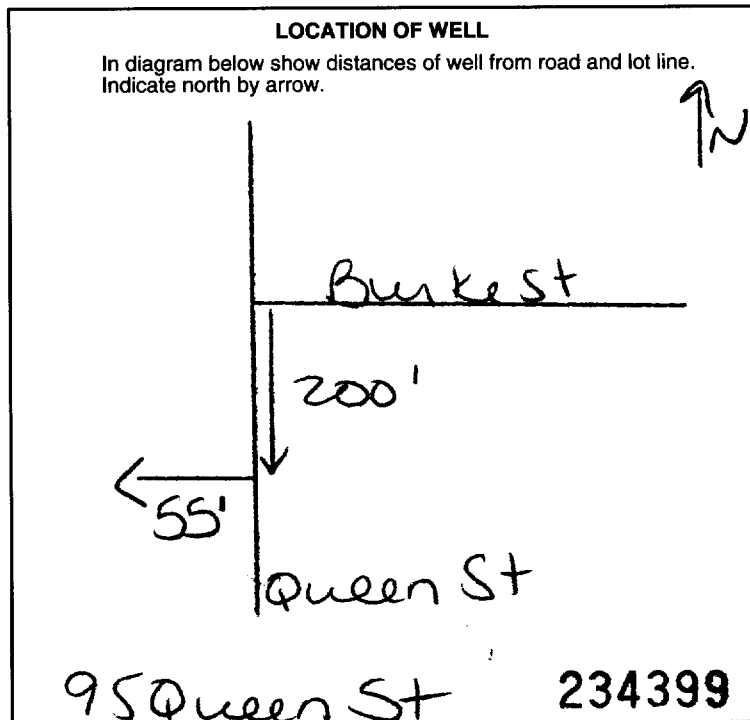
Water found at - feet	Kind of water
58	<input checked="" type="checkbox"/> Fresh <input type="checkbox"/> Salty <input type="checkbox"/> Sulphur <input type="checkbox"/> Minerals <input type="checkbox"/> Gas

Inside diam inches	Material	Wall thickness inches	Depth - feet	
			From	To
6 1/4	Steel	188	0	22
8 3/4	Steel		0	20
6	Steel		20	65

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

Depth set at - feet		Material and type (Cement grout, bentonite, etc.)
From	To	
2	22	Cement grout

Pumping test method <input checked="" type="checkbox"/> Pump	Pumping rate <b>25</b> GPM	Duration of pumping <b>1</b> Hours
Static level <b>13</b> feet	Water level end of pumping <b>55</b> feet	Water levels during
		15 minutes <b>13</b> feet 30 minutes <b>13</b> feet 45 minutes <b>13</b> feet 60 minutes <b>13</b> feet



<input checked="" type="checkbox"/> Water supply	<input type="checkbox"/> Abandoned, insufficient supply	<input type="checkbox"/> Unfinished
<input type="checkbox"/> Observation well	<input type="checkbox"/> Abandoned, poor quality	<input type="checkbox"/> Replacement well
<input type="checkbox"/> Test hole	<input type="checkbox"/> Abandoned (Other)	
<input type="checkbox"/> Recharge well	<input type="checkbox"/> Dewatering	

<input checked="" type="checkbox"/> Domestic	<input type="checkbox"/> Commercial	<input type="checkbox"/> Not use
<input type="checkbox"/> Stock	<input type="checkbox"/> Municipal	<input type="checkbox"/> Other
<input type="checkbox"/> Irrigation	<input type="checkbox"/> Public supply	
<input type="checkbox"/> Industrial	<input type="checkbox"/> Cooling & air conditioning	

<input type="checkbox"/> Cable tool	<input checked="" type="checkbox"/> Air percussion	<input type="checkbox"/> Driving
<input type="checkbox"/> Rotary (conventional)	<input type="checkbox"/> Boring	<input type="checkbox"/> Digging
<input type="checkbox"/> Rotary (reverse)	<input type="checkbox"/> Diamond	<input type="checkbox"/> Other
<input type="checkbox"/> Rotary (air)	<input type="checkbox"/> Jetting	

Name of Well Contractor <b>Hi-Rock Drilling Ltd</b>	Well Contractor's Licence No. <b>1119</b>
Address <b>RR#2 Jaoper, Ont</b>	
Name of Well Technician <b>Shannon Purcell</b>	Well Technician's Licence No. <b>12122</b>
Signature of Technician/Contractor	Submission date <b>08 10 01</b> day mo yr

Data source	Contractor <b>1119</b>	Date received <b>NOV 02 2001</b>
Date of inspection	Inspector	
Remarks <b>OPS ES1</b>		



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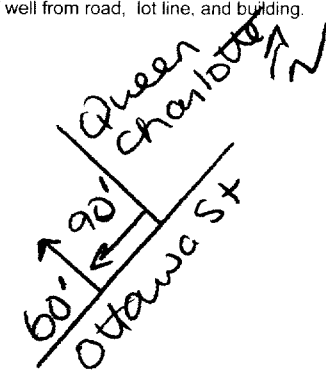
Ministry Use Only

Address of Well Location (County/District/Municipality) Ottawa Carleton Township Goulbourn Lot 22 Concession 3 RR#/Street Number/Name 6291 Ottawa St City/Town/Village Site/Compartment/Block/Tract etc. Lot 112 Plan 4R1675 GPS Reading NAD Zone Easting Northing Unit Make/Model Mode of Operation: Undifferentiated Averaged Differentiated, specify

Log of Overburden and Bedrock Materials (see instructions)

Table with columns: General Colour, Most common material, Other Materials, General Description, Depth From, Metres To. Handwritten entries: grey clay + gravel, limestone, 0 to 5.18, 5.18 to 30.5.

Hole Diameter, Construction Record, Test of Well Yield, Water Record, Plugging and Sealing Record, Location of Well, Method of Construction, Water Use, Final Status of Well, Well Contractor/Technician Information. Includes handwritten data for hole diameter (0-30.5m), casing (1588 Galvanized, .48m wall, 6.7m depth), pumping test results, and plugging details (6.1m cement slurry, 0.2724 cubic metres).



Method of Construction, Water Use, Final Status of Well, Well Contractor/Technician Information. Includes checkboxes for construction methods (Air percussion checked), water use (Domestic checked), and contractor details (Ani Rock Drilling Co Ltd, Shannon).

Location of Well, Ministry Use Only. Includes audit number Z 04931, completion date 2004 05 11, and well record number 1534653.

**A 013715**

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- Please print clearly in blue or black ink only.

**Well Owner's Information and Location of Well Information**

**Ministry Use Only**

MUN **15002** CON **CON** 02 LOT **22**

**Ottawa Carleton**  
RR#/Street Number/Name: **441 Sargeet Place**

**Goulbourn**  
City/Town/Village: **Richmond** Site/Compartment/Block/Tract etc.: **22 2**

GPS Reading: **8 3 18 43 39 18 50 02 89 8** Unit Make/Model: **Garmin** Mode of Operation:  Undifferentiated  Averaged  Differentiated, specify

**Log of Overburden and Bedrock Materials (see instructions)**

General Colour	Most common material	Other Materials	General Description	Depth	
				From	Metres To
Gray	Limestone		Hard	0	36.57

Hole Diameter			Construction Record				Test of Well Yield							
Depth From	Metres To	Diameter Centimetres	Inside diam centimetres	Material	Wall thickness centimetres	Depth From	Metres To	Pumping test method	Draw Down Time min	Water Level Metres	Recovery Time min	Water Level Metres		
0	6.55	22.75	15.86	<input checked="" type="checkbox"/> Steel <input type="checkbox"/> Fibreglass <input type="checkbox"/> Plastic <input type="checkbox"/> Concrete <input type="checkbox"/> Galvanized	0.48	1.82	6.55	<b>submersible</b>	1	4.86	1	6.38		
6.55	36.57	15.23	<b>Casing</b>				Pump intake set at - (metres) <b>30.47</b>							
<b>Water Record</b>			<b>Screen</b>				Pumping rate - (litres/min) <b>54.6</b>							
Water found at Metres	Kind of Water		Outside diam	<input type="checkbox"/> Steel <input type="checkbox"/> Fibreglass <input type="checkbox"/> Plastic <input type="checkbox"/> Concrete <input type="checkbox"/> Galvanized	Slot No.			Duration of pumping <b>1</b> hrs + ___ min						
15.24	<input type="checkbox"/> Fresh <input type="checkbox"/> Sulphur <input type="checkbox"/> Gas <input type="checkbox"/> Salty <input type="checkbox"/> Minerals		<b>No Casing or Screen</b>				Final water level end of pumping <b>9.05</b> metres							
33.52	<input type="checkbox"/> Fresh <input type="checkbox"/> Sulphur <input type="checkbox"/> Gas <input type="checkbox"/> Salty <input type="checkbox"/> Minerals		<b>Open hole</b>				Recommended pump type <input type="checkbox"/> Shallow <input checked="" type="checkbox"/> Deep							
After test of well yield, water was <input checked="" type="checkbox"/> Clear and sediment free <input type="checkbox"/> Other, specify			15.23				6.55		10		8.52		10	
Chlorinated <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No							36.57		15		8.72		15	

**Plugging and Sealing Record**  Annular space  Abandonment

Depth set at - Metres From **6.55** To **0** Material and type (bentonite slurry, neat cement slurry) etc. **Grouted - Bentonite Slurry** Volume Placed (cubic metres) **0.11m3**

**Method of Construction**

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

**Water Use**

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

**Final Status of Well**

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

**Well Contractor/Technician Information**

Name of Well Contractor: **Capital Water Supply Ltd.** Well Contractor's Licence No.: **1558**

Business Address (street name, number, city etc.): **P.O. Box 490 Stittsville, Ontario K2S 1A6**

Name of Well Technician (last name, first name): **Miller, Stephen** Well Technician's Licence No.: **T0097**

Signature of Technician/Contractor: *[Signature]* Date Submitted: **2004 7 15**

**Location of Well**

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

Audit No. **Z 13694** Date Well Completed: **2004 7 9**

Was the well owner's information package delivered?  Yes  No Date Delivered: **2004 7 12**

**Ministry Use Only**

Data Source: Contractor **1558**

Date Received: **SEP 10 2004** Date of Inspection: **2004 7 12**

Remarks: Well Record Number **1534948**

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- Please print clearly in blue or black ink only.

**Well Owner's Information and Location of Well Information**

Ministry Use Only										
MUN	15003	CON	CON					03	LOT	21

<b>Ottawa Carleton</b> RR#/Street Number/Name <b>Ottawa Carleton Lot 7, Ottawa Street</b>	<b>Goulbourn</b> City/Town/Village <b>Richmond</b>	<b>21</b>	<b>3</b>
GPS Reading NAD Zone Easting Northing <b>8 3 18 43 43 11 50 03 249</b>	Unit Make/Model <b>Garmin</b>	Mode of Operation: <input type="checkbox"/> Undifferentiated <input checked="" type="checkbox"/> Averaged <input type="checkbox"/> Differentiated, specify	

**Log of Overburden and Bedrock Materials (see instructions)**

General Colour	Most common material	Other Materials	General Description	Depth Metres	
				From	To
Brown	Clay	Stones	Packed	0	3.96
Gray	Hardpan	Boulders	Packed	3.96	7.92
Gray	Limestone	Brown Layers	Medium	7.92	39.62

Hole Diameter			Construction Record				Test of Well Yield					
Depth From	Metres To	Diameter Centimetres	Inside diam centimetres	Material	Wall thickness centimetres	Depth From	Metres To	Pumping test method	Draw Down Time min	Water Level Metres	Recovery Time min	Water Level Metres
0	8.53	22.75						<b>submersible</b>				
8.53	39.62	15.23	15.86	<input checked="" type="checkbox"/> Steel <input type="checkbox"/> Fibreglass <input type="checkbox"/> Plastic <input type="checkbox"/> Concrete <input type="checkbox"/> Galvanized	0.48	+ 0.45	8.53	Pump intake set at - (metres) <b>30.48</b>	Static Level <b>2.01</b>			
<b>Water Record</b>			<b>Casing</b>				Pumping rate - (litres/min) <b>36.4</b>					
Water found at Metres	Kind of Water		<b>Screen</b>				Duration of pumping <b>1</b> hrs + ___ min					
<b>37.79</b>	<input type="checkbox"/> Fresh <input type="checkbox"/> Sulphur <input type="checkbox"/> Gas <input type="checkbox"/> Salty <input type="checkbox"/> Minerals <input type="checkbox"/> Other: <b>not tested</b>		<input type="checkbox"/> Steel <input type="checkbox"/> Fibreglass <input type="checkbox"/> Plastic <input type="checkbox"/> Concrete <input type="checkbox"/> Galvanized				Final water level end of pumping <b>9.81</b> metres					
___ m	<input type="checkbox"/> Fresh <input type="checkbox"/> Sulphur <input type="checkbox"/> Gas <input type="checkbox"/> Salty <input type="checkbox"/> Minerals <input type="checkbox"/> Other:		<input type="checkbox"/> Steel <input type="checkbox"/> Fibreglass <input type="checkbox"/> Plastic <input type="checkbox"/> Concrete <input type="checkbox"/> Galvanized				Recommended pump type. <input type="checkbox"/> Shallow <input checked="" type="checkbox"/> Deep					
___ m	<input type="checkbox"/> Fresh <input type="checkbox"/> Sulphur <input type="checkbox"/> Gas <input type="checkbox"/> Salty <input type="checkbox"/> Minerals <input type="checkbox"/> Other:		<b>Screen</b>				Recommended pump depth <b>22.85</b> metres					
After test of well yield, water was			<b>No Casing or Screen</b>				Recommended pump rate. <b>36.4</b> (litres/min)					
<input checked="" type="checkbox"/> Clear and sediment free			Outside diam				If flowing give rate - (litres/min)					
<input type="checkbox"/> Other, specify			<input checked="" type="checkbox"/> Steel <input type="checkbox"/> Fibreglass <input type="checkbox"/> Plastic <input type="checkbox"/> Concrete <input type="checkbox"/> Galvanized				If pumping discontinued, give reason.					
Chlorinated <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			Slot No.				20 <b>8.85</b> 20 <b>2.18</b>					
			<b>No Casing or Screen</b>				25 <b>9.11</b> 25 <b>2.10</b>					
			15.23 <input checked="" type="checkbox"/> Open hole				30 <b>9.30</b> 30 <b>2.15</b>					
							40 <b>9.57</b> 40 <b>2.14</b>					
							50 <b>9.70</b> 50 <b>2.14</b>					
							60 <b>9.81</b> 60 <b>2.13</b>					

Plugging and Sealing Record			<input checked="" type="checkbox"/> Annular space	<input type="checkbox"/> Abandonment
Depth set at - Metres From	To	Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)	
8.53	0	<b>Grouted - Cement &amp; Bentonite</b>	<b>0.232m3</b>	

Method of Construction			
<input type="checkbox"/> Cable Tool	<input checked="" type="checkbox"/> Rotary (air)	<input type="checkbox"/> Diamond	<input type="checkbox"/> Digging
<input type="checkbox"/> Rotary (conventional)	<input checked="" type="checkbox"/> Air percussion	<input type="checkbox"/> Jetting	<input type="checkbox"/> Other
<input type="checkbox"/> Rotary (reverse)	<input type="checkbox"/> Boring	<input type="checkbox"/> Driving	
Water Use			
<input checked="" type="checkbox"/> Domestic	<input type="checkbox"/> Industrial	<input type="checkbox"/> Public Supply	<input type="checkbox"/> Other
<input type="checkbox"/> Stock	<input type="checkbox"/> Commercial	<input type="checkbox"/> Not used	
<input type="checkbox"/> Irrigation	<input type="checkbox"/> Municipal	<input type="checkbox"/> Cooling & air conditioning	
Final Status of Well			
<input checked="" type="checkbox"/> Water Supply	<input type="checkbox"/> Recharge well	<input type="checkbox"/> Unfinished	<input type="checkbox"/> Abandoned, (Other)
<input type="checkbox"/> Observation well	<input type="checkbox"/> Abandoned, insufficient supply	<input type="checkbox"/> Dewatering	
<input type="checkbox"/> Test Hole	<input type="checkbox"/> Abandoned, poor quality	<input type="checkbox"/> Replacement well	

Well Contractor/Technician Information	
Name of Well Contractor <b>Capital Water Supply Ltd.</b>	Well Contractor's Licence No. <b>1558</b>
Business Address (street name, number, city etc.) <b>P.O. Box 490 Stittsville, Ontario K2S 1A6</b>	
Name of Well Technician (last name, first name) <b>S. Miller</b>	Well Technician's Licence No. <b>T0097</b>
Signature of Technician/Contractor <i>S. Miller</i>	Date Submitted <b>2004 6 21</b>

Location of Well		
In diagram below show distances of well from road, lot line, and building. Indicate north by arrow.		
Audit No. <b>Z 13672</b>	Date Well Completed <b>2004 6 17</b>	
Was the well owner's information package delivered? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date Delivered <b>2008 6 18</b>	

Ministry Use Only	
Data Source	Contractor <b>1558</b>
Date Received <b>SEP 10 2004</b>	Date of Inspection YYYY MM DD
Remarks	Well Record Number <b>1534958</b>

**A018985**

**A018985**

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**Well Owner's Information and Location of Well Information**

**Ministry Use Only**

MUN **15003** CON **CON** LOT **02**

**OTTAWA-CARLETON** **GOULBURN** **22** **3**  
RR#/Street Number/Name **#6299 OTTAWA STREET** City/Town/Village **RICHMOND** Site/Compartment/Block/Tract etc. **PLAN 4R-16175 P/L6**  
GPS Reading NAD **8.3** Zone **18** Easting **434310** Northing **5003271** Unit Make/Model **MASELIAN** Mode of Operation:  Undifferentiated  Averaged  Differentiated, specify

**Log of Overburden and Bedrock Materials (see Instructions)**

General Colour	Most common material	Other Materials	General Description	Depth Metres	
				From	To
	<b>SANDY CLAY GRAVEL</b>			<b>0</b>	<b>5.48</b>
<b>GREY</b>	<b>LIMESTONE</b>			<b>5.48</b>	<b>24.99</b>

Hole Diameter			Construction Record				Test of Well Yield					
Depth From	Metres To	Diameter Centimetres	Inside diam centimetres	Material	Wall thickness centimetres	Depth From	Metres To	Pumping test method	Draw Down Time min	Water Level Metres	Recovery Time min	Water Level Metres
<b>0</b>	<b>24.99</b>	<b>15.23</b>	<b>15.88</b>	<input checked="" type="checkbox"/> Steel <input type="checkbox"/> Fibreglass <input type="checkbox"/> Plastic <input type="checkbox"/> Concrete <input type="checkbox"/> Galvanized	<b>.48</b>	<b>0</b>	<b>7.31</b>	<b>SUBPUMP</b>				
								Pump intake set at - (metres) <b>21.33</b>	Static Level <b>2.87</b>			<b>22.88</b>
								Pumping rate - (litres/min) <b>34.07</b>	<b>1</b>	<b>5.54</b>	<b>1</b>	<b>17.98</b>
								Duration of pumping <b>1</b> hrs + <b>0</b> min	<b>2</b>	<b>6.62</b>	<b>2</b>	<b>16.06</b>
								Final water level end of pumping <b>22.88</b> metres	<b>3</b>	<b>7.50</b>	<b>3</b>	<b>14.73</b>
								Recommended pump type. <input type="checkbox"/> Shallow <input checked="" type="checkbox"/> Deep	<b>4</b>	<b>8.06</b>	<b>4</b>	<b>13.32</b>
								Recommended pump depth <b>21.33</b> metres	<b>5</b>	<b>8.97</b>	<b>5</b>	<b>11.83</b>
								Recommended pump rate. (litres/min) <b>24.07</b>	<b>10</b>	<b>12.30</b>	<b>10</b>	<b>8.03</b>
								If flowing give rate - (litres/min)	<b>15</b>	<b>14.60</b>	<b>15</b>	<b>3.88</b>
									<b>20</b>	<b>16.08</b>	<b>20</b>	<b>3.50</b>
									<b>25</b>	<b>17.09</b>	<b>25</b>	<b>3.35</b>
									<b>30</b>	<b>18.06</b>	<b>30</b>	<b>3.26</b>
									<b>40</b>	<b>19.87</b>	<b>40</b>	<b>3.14</b>
									<b>50</b>	<b>21.47</b>	<b>50</b>	<b>3.09</b>
									<b>60</b>	<b>22.88</b>	<b>60</b>	<b>3.04</b>

**Plugging and Sealing Record**  Annular space  Abandonment

Depth set at - Metres From **6.70** To **0** Material and type (bentonite slurry, neat cement slurry) etc. **NEAT CEMENT SLURRY** Volume Placed (cubic metres) **.2724**

**Method of Construction**

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

**Water Use**

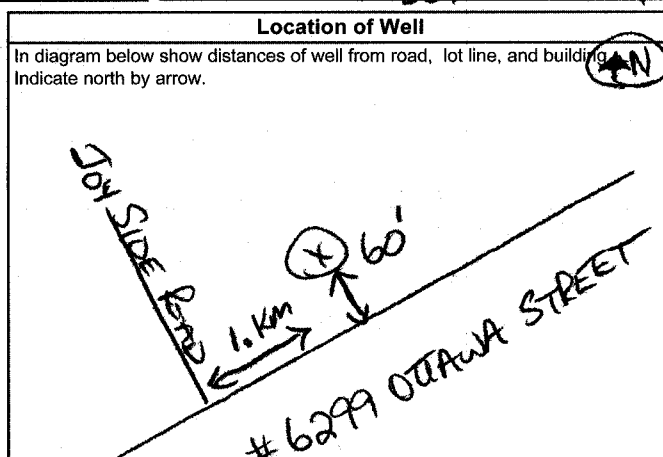
Domestic  Industrial  Public Supply  Other  Stock  Commercial  Not used  Irrigation  Municipal  Cooling & air conditioning

**Final Status of Well**

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

**Well Contractor/Technician Information**

Name of Well Contractor **AIR ROCK DRILLING CO. LTD** Well Contractor's Licence No. **1119**  
Business Address (street name, number, city etc.) **Rte 1 RICHMOND ONT K0A2Z0**  
Name of Well Technician (last name, first name) **PURCELL SHANNON** Well Technician's Licence No. **T2122**  
Signature of Technician/Contractor **[Signature]** Date Submitted **2004 11 04**



Audit No. **Z 19094** Date Well Completed **2004 10 27**

Was the well owner's information package delivered?  Yes  No Date Delivered **2004 10 27**

**Ministry Use Only**

Data Source Contractor **1119**

Date Received **NOV 16 2004** Date of Inspection **2004 11 04**

Remarks Well Record Number **1535184**

**A 023019**  
A. 023019

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- Please print clearly in blue or black ink only.

Ministry Use Only									
MUN							CON		LOT

Address of well Location (County/District/Municipality) **OTTAWA-CARLETON** Township **SOULBOURN** Section **22** Lot **3**

RR#/Street Number/Name **#91 QUEEN CHARLOTTE** City/Town/Village **RICHMOND** Site/Compartment/Block/Tract etc. **MAGELAN**

GPS Reading NAD Zone Existing Northing Unit Make/Model Mode of Operation:  Undifferentiated  Averaged  Differentiated, specify

**8.3 18 424219 3003569** **MAGELAN**

**Log of Overburden and Bedrock Materials (see instructions)**

General Colour	Most common material	Other Materials	General Description	Depth Metres	
				From	To
	<b>CLAY, SAND, BOULDERS</b>			<b>0</b>	<b>4.87</b>
	<b>GREY LIMESTONE</b>			<b>4.87</b>	<b>24.38</b>

Hole Diameter			Construction Record				Test of Well Yield					
Depth From	Metres To	Diameter Centimetres	Inside diam centimetres	Material	Wall thickness centimetres	Depth From	Metres To	Pumping test method	Draw Down Time min	Water Level Metres	Recovery Time min	Water Level Metres
<b>0</b>	<b>24.38</b>	<b>15.07</b>	<b>15.88</b>	<input checked="" type="checkbox"/> Steel <input type="checkbox"/> Fibreglass <input type="checkbox"/> Plastic <input type="checkbox"/> Concrete <input type="checkbox"/> Galvanized	<b>.48</b>	<b>0</b>	<b>6.70</b>	<b>Subpump</b>	<b>2.33</b>	<b>2.50</b>	<b>13.41</b>	
<b>Water Record</b>			<b>Screen</b>				<b>Recovery</b>					
Water found at <b>20.19</b> m Kind of Water <input type="checkbox"/> Fresh <input type="checkbox"/> Sulphur <input type="checkbox"/> Gas <input type="checkbox"/> Salty <input type="checkbox"/> Minerals <input type="checkbox"/> Other <b>NOT TESTED</b>			Outside diam <input type="checkbox"/> Steel <input type="checkbox"/> Fibreglass <input type="checkbox"/> Plastic <input type="checkbox"/> Concrete <input type="checkbox"/> Galvanized				Recommended pump type <input type="checkbox"/> Shallow <input checked="" type="checkbox"/> Deep					
After test of well yield, water was <input checked="" type="checkbox"/> Clear and sediment free <input type="checkbox"/> Other, specify <b>TESTED</b>			<b>No Casing or Screen</b>				Recommended pump rate <b>68.25</b> (litres/min)					
Chlorinated <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			<input checked="" type="checkbox"/> Open hole				If flowing give rate - (litres/min)					
			<b>6.09 24.38</b>				If pumping discontinued, give reason.					

**Plugging and Sealing Record**  Annular space  Abandonment

Depth set at - Metres From **6.09** To **0** Material and type (bentonite slurry, neat cement slurry) etc. **NEAT CEMENT SLURRY** Volume Placed (cubic metres) **.207**

**Method of Construction**

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

**Water Use**

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

**Final Status of Well**

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

**Location of Well**

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

Audit No. **2 23277** Date Well Completed **2005 05 18**

Was the well owner's information package delivered?  Yes  No Date Delivered **2005 05 17**

**Well Contractor/Technician Information**

Name of Well Contractor **AIR ROCK DRILLING CO LTD** Well Contractor's Licence No. **7119**

Business Address (street name, number, city etc.) **RR#1 RICHMOND, ONT K0A2Z0**

Name of Well Technician (last name, first name) **TOGAN DAN** Well Technician's Licence No. **73058**

Signature of Technician/Contractor **[Signature]** Date Submitted **2005 05 18**

**Ministry Use Only**

Data Source Contractor **1119**

Date Received **JUN 06 2005** Date of Inspection **2005 05 17**

Remarks Well Record Number



Well ID: **A 043579** (number below)  
**A043579**

**Instructions for Completing Form**

- For use in the **Province of Ontario** only. This document is a permanent **legal** document. Please retain for future reference.
- All Sections **must** be completed in full to avoid delays in processing. Further instructions and explanations are available on the back of this form.
- Questions regarding completing this application can be directed to the Water Well Help Desk (Toll Free) at 1-888-396-9355.
- All metre measurements shall be reported to 1/10<sup>th</sup> of a metre.**
- Please print clearly in blue or black ink only.

**Ministry Use Only**

Address of Well Location (County/District/Municipality): **Ottawa - Carleton** Township: **Goulbourn** Lot: **22** Concession: **3**  
 RR#/Street Number/Name: **# 6300 Ottawa Street** City/Town/Village: **Richmond** Plan/Block/Tract/etc.: **4D-23 Part 1**  
 GPS Reading: NAD: **83** Zone: **18** Easting: **434353** Northing: **5003237** Unit Make/Model: **Magellan** Mode of Operation:  Undifferentiated  Averaged  Differentiated, specify

**Log of Overburden and Bedrock Materials (see instructions)**

General Colour	Most common material	Other Materials	General Description	Depth Metres	
				From	To
	<b>Sand + Gravel</b>			<b>0</b>	<b>6.71</b>
	<b>Limestone</b>			<b>6.71</b>	<b>36.57</b>

**Hole Diameter**

Depth From	Metres To	Diameter Centimetres
<b>0</b>	<b>36.57</b>	<b>15.23</b>

**Construction Record**

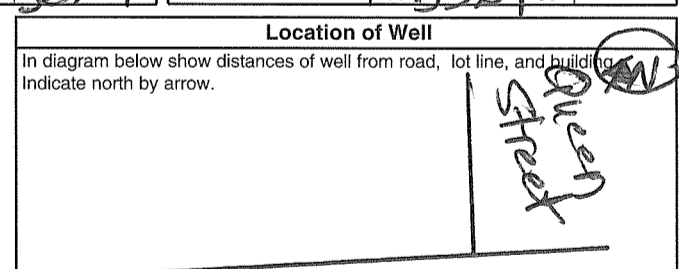
Inside diam centimetres	Material	Wall thickness centimetres	Depth Metres	
			From	To
<b>Casing</b>				
<b>15.88</b>	<input checked="" type="checkbox"/> Steel <input type="checkbox"/> Fibreglass	<b>480</b>	<b>0</b>	<b>9.45</b>
<b>Screen</b>				
	<input type="checkbox"/> Steel <input type="checkbox"/> Fibreglass	Slot No.		
<b>No Casing or Screen</b>				
	<input checked="" type="checkbox"/> Open hole		<b>8.84</b>	<b>36.57</b>

**Test of Well Yield**

Pumping test method	Draw Down		Recovery	
	Time min	Water Level Metres	Time min	Water Level Metres
<b>Sub Pump</b>				
Pump intake set at (metres)	<b>0.85</b>	<b>0.85</b>		<b>33.84</b>
Pumping rate (litres/min)	<b>1</b>	<b>3.70</b>	<b>1</b>	<b>28.92</b>
Duration of pumping	<b>2</b>	<b>5.10</b>	<b>2</b>	<b>25.80</b>
Final water level end of pumping (metres)	<b>3</b>	<b>6.54</b>	<b>3</b>	<b>24.50</b>
Recommended pump type	<b>4</b>	<b>7.80</b>	<b>4</b>	<b>23.00</b>
Recommended pump depth (metres)	<b>5</b>	<b>9.04</b>	<b>5</b>	<b>21.70</b>
Recommended pump rate (litres/min)	<b>10</b>	<b>14.80</b>	<b>10</b>	<b>16.30</b>
If flowing give rate - (litres/min)	<b>15</b>	<b>19.60</b>	<b>15</b>	<b>10.90</b>
	<b>20</b>	<b>24.40</b>	<b>20</b>	<b>6.60</b>
If pumping discontinued, give reason.	<b>25</b>	<b>27.23</b>	<b>25</b>	<b>2.41</b>
	<b>30</b>	<b>30.07</b>	<b>30</b>	<b>0.85</b>
	<b>40</b>	<b>31.32</b>	<b>40</b>	
	<b>50</b>	<b>32.57</b>	<b>50</b>	
	<b>60</b>	<b>33.84</b>	<b>60</b>	

**Plugging and Sealing Record**

Depth set at - Metres	Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)
<b>8.84</b>	<b>Neat Cement Slurry</b>	<b>0.1816</b>
<b>5.79</b>	<b>Bentonite Slurry</b>	<b>0.123</b>



**Method of Construction**

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

**Water Use**

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

**Final Status of Well**

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

**Well Contractor/Technician Information**

Name of Well Contractor: **AIR ROCK DRILLING CO LTD** Well Contractor's Licence No.: **119**  
 Business Address (street name, number, city etc.): **RR #1 RICHMOND ONT K0A2Z0**  
 Name of Well Technician (last name, first name): **Desautniers Ken** Well Technician's Licence No.: **14**  
 Signature of Technician/Contractor: **[Signature]** Date Submitted: **2007 01 22**

**#6300 Ottawa Street**

Audit No. **Z 55540** Date Well Completed **2006 11 21**  
 Was the well owner's information package delivered?  Yes  No Date Delivered **2006 11 21**

**Ministry Use Only**

Data Source: Contractor **1119**  
 Date Received: **FEB 12 2007** DD Date of Inspection: **2007 02 12** YYY MM DD  
 Remarks: \_\_\_\_\_ Well Record Number: \_\_\_\_\_

Measurements recorded in:  Metric  Imperial

Page \_\_\_ of \_\_\_

N/A

Address of Well Location (Street Number/Name) **122 Burke Street** Township **Goulbourn** Lot \_\_\_\_\_ Concession \_\_\_\_\_  
 County/District/Municipality **Ottawa Carleton** City/Town/Village **Richmond** Province **Ontario** Postal Code \_\_\_\_\_  
 UTM Coordinates Zone Easting Northing Municipal Plan and Sublot Number Other  
 NAD **83** **1843444** **5003776** **PLAND-18** **Unit 39**

**Overburden and Bedrock Materials/Abandonment Sealing Record** (see instructions on the back of this form)

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From To
			<b>4" Drilled Well Abandonment</b>	<b>0 42'</b>

**Annular Space**

Depth Set at (m/ft) From To	Type of Sealant Used (Material and Type)	Volume Placed (m <sup>3</sup> /ft <sup>3</sup> )
<b>42 0</b>	<b>hole plug</b>	

**Method of Construction**

Cable Tool  Diamond  Public  Commercial  Not used  
 Rotary (Conventional)  Jetting  Domestic  Municipal  Dewatering  
 Rotary (Reverse)  Driving  Livestock  Test Hole  Monitoring  
 Boring  Digging  Irrigation  Cooling & Air Conditioning  
 Air percussion  Industrial  Other, specify \_\_\_\_\_  
 Other, specify \_\_\_\_\_

**Construction Record - Casing**

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		Status of Well
			From	To	
					<input type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input type="checkbox"/> Dewatering Well <input type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input checked="" type="checkbox"/> Abandoned, other, specify <b>NOT USABLE</b> <input type="checkbox"/> Other, specify _____

**Construction Record - Screen**

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)		Status of Well
			From	To	
					<input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input checked="" type="checkbox"/> Abandoned, other, specify <b>NOT USABLE</b> <input type="checkbox"/> Other, specify _____

**Water Details**

Water found at Depth (m/ft)	Kind of Water	Depth (m/ft)	Diameter (cm/in)
	<input type="checkbox"/> Fresh <input type="checkbox"/> Untested	From To	
	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____		

**Well Contractor and Well Technician Information**

Business Name of Well Contractor **AIR ROCK DRILLING GOLD 1119** Well Contractor's Licence No. \_\_\_\_\_  
 Business Address (Street Number/Name) **RR#1** Municipality **RICHMOND**  
 Province **ONT** Postal Code **K0A2Z0** Business E-mail Address \_\_\_\_\_

Bus. Telephone No. (inc. area code) **6138382170** Name of Well Technician (Last Name, First Name) **Desautniers Ken**  
 Well Technician's Licence No. **TA** Signature of Technician and/or Contractor **Ken Desautniers** Date Submitted **20080806**

**Results of Well Yield Testing**

After test of well yield, water was:  
 Clear and sand free  
 Other, specify \_\_\_\_\_

If pumping discontinued, give reason: \_\_\_\_\_

Pump intake set at (m/ft) \_\_\_\_\_

Pumping rate (l/min / GPM) \_\_\_\_\_

Duration of pumping \_\_\_\_\_ hrs + \_\_\_\_\_ min

Final water level end of pumping (m/ft) \_\_\_\_\_

If flowing give rate (l/min / GPM) \_\_\_\_\_

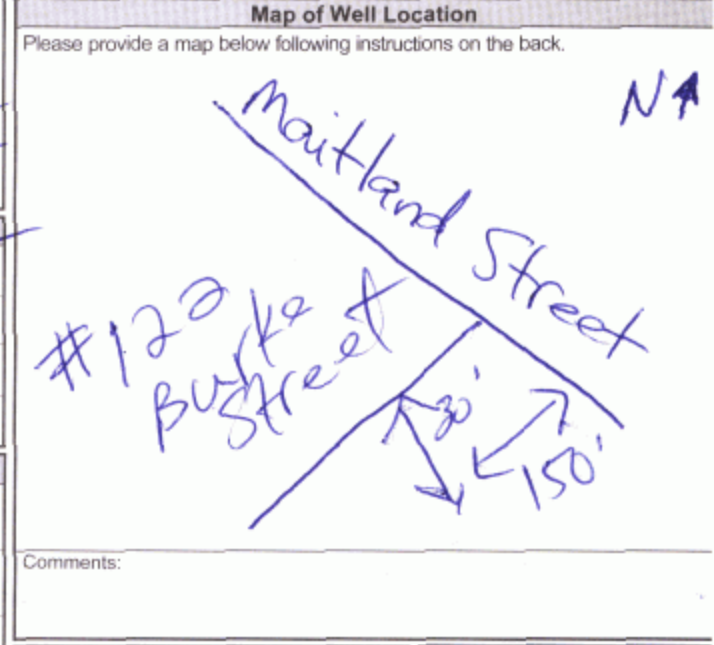
Recommended pump depth (m/ft) \_\_\_\_\_

Recommended pump rate (l/min / GPM) \_\_\_\_\_

Well production (l/min / GPM) \_\_\_\_\_

Disinfected?  Yes  No

Time (min)	Draw Down		Recovery	
	Water Level (m/ft)	Time (min)	Water Level (m/ft)	Time (min)
Static Level				
1		1		
2		2		
3		3		
4		4		
5		5		
10		10		
15		15		
20		20		
25		25		
30		30		
40		40		
50		50		
60		60		



Well owner's information package delivered  Yes  No

Date Package Delivered **20080722**

Date Work Completed \_\_\_\_\_

**Ministry Use Only**

Audit No. **Z 80764**

**AUG 14 2008**

Received \_\_\_\_\_



**Well Owner's Information**

First Name: \_\_\_\_\_ Last Name: \_\_\_\_\_ E-mail Address: \_\_\_\_\_  Well Constructed by Well Owner

Mailing Address (Street Number/Name, RR): **Davax Construction Ltd.** Municipality: **Gravenhurst** Province: **Ontario** Postal Code: **P1P1B8** Telephone No. (inc. area code): **705 687 0065**

**Part A Construction and/or Major Alteration of a Well**

Address of Well Location (Street Number/Name, RR): **6306 Ottawa Street** Township: **Goulbourn** Lot: **21** Concession: **2**

County/District/Municipality: **Ottawa Carleton** City/Town/Village: **Richmond** Province: **Ontario** Postal Code: \_\_\_\_\_

UTM Coordinates: Zone: **18** Easting: **434316** Northing: **5003216** GPS Unit Make: **Garmin** Model: \_\_\_\_\_ Mode of Operation:  Undifferentiated  Averaged  Differentiated, specify \_\_\_\_\_

**Overburden and Bedrock Materials** (see instructions on the back of this form)

General Colour	Most Common Material	Other Materials	General Description	Depth (Metres) From	Depth (Metres) To
Brown	Sandy Soil		Loose	0	1.21
Brown	Hardpan		Packed	1.21	3.35
Grey	Hardpan		Packed	3.35	7.61
Grey	Limestone		Medium Packed	7.61	37.48

**Annular Space/Abandonment Sealing Record**

Depth Set at (Metres) From	Depth Set at (Metres) To	Type of Sealant Used (Material and Type)	Volume Placed (Cubic Metres)
8.68	0	Grouted Cement	.027m <sup>3</sup>

**Results of Well Yield Testing**

Check box if after test of well yield, water was:

Clear and sand free  Cannot develop to sand-free state

If pumping discontinued, give reason: \_\_\_\_\_

Pumping test method: **Submersible**

Pump intake set at (Metres): **30.47**

Pumping rate (Litres/min): **54.6**

Duration of pumping: **1** hrs + \_\_\_\_\_ min

Final water level end of pumping (Metres): **26.88**

Recommended pump type:  Shallow  Deep

Recommended pump depth: **30.47** Metres

Recommended pump rate (Litres/min): **45.5**

If flowing give rate (Litres/min): \_\_\_\_\_

Time (Min)	Draw Down		Recovery	
	Water Level (Metres)	Time (Min)	Water Level (Metres)	Time (Min)
Static Level	1.23	Static Level		
1	3.50	1	23.57	
2	5.48	2	21.29	
3	6.64	3	19.36	
4	8.01	4	17.40	
5	9.05	5	15.52	
10	13.54	10	8.70	
15	16.67	15	4.64	
20	19.09	20	2.53	
25	20.95	25	1.76	
30	22.46	30	1.20	
40	24.30	40		
50	26.01	50		
60	26.88	60		

**Method of Construction**

Cable Tool  Diamond  Public  Commercial  Not used

Rotary (Conventional)  Jetting  Municipal  Dewatering

Rotary (Reverse)  Driving  Livestock  Test Hole  Monitoring

Rotary (Air)  Digging  Irrigation  Cooling & Air Conditioning

Air percussion  Boring  Industrial  Other, specify \_\_\_\_\_

Other, specify \_\_\_\_\_

**Water Use**

Domestic  Commercial  Not used

Municipal  Dewatering

Test Hole  Monitoring

Cooling & Air Conditioning

Industrial  Other, specify \_\_\_\_\_

**Status of Well**

Water Supply  Dewatering Well  Observation and/or Monitoring Hole

Replacement Well  Abandoned, Insufficient Supply  Alteration (Construction)

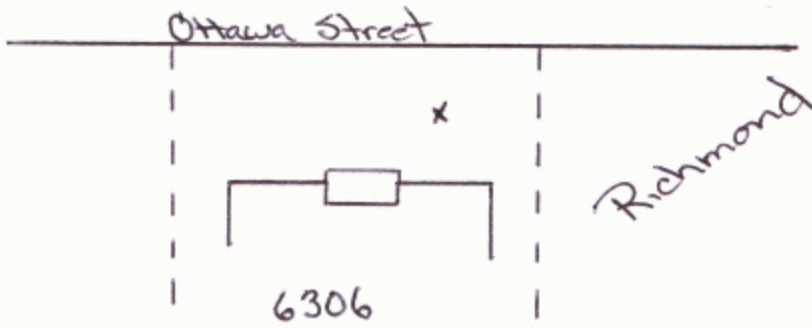
Test Hole  Abandoned, Poor Water Quality  Other, specify \_\_\_\_\_

Recharge Well  Abandoned, other, specify \_\_\_\_\_

**Location of Well**

Please provide a map below showing:

- all property boundaries, and measurements sufficient to locate the well in relation to fixed points
- an arrow indicating the North direction
- detailed drawings can be provided as attachments no larger than legal size (8.5" by 14")
- digital pictures of inside of well can also be provided



**Water Details**

Water found at Depth	Kind of Water
34.44 Metres <input type="checkbox"/> Gas <input type="checkbox"/> Fresh <input checked="" type="checkbox"/> Salty <input type="checkbox"/> Sulphur <input type="checkbox"/> Minerals	Not Tested
Metres <input type="checkbox"/> Gas <input type="checkbox"/> Fresh <input type="checkbox"/> Salty <input type="checkbox"/> Sulphur <input type="checkbox"/> Minerals	
Metres <input type="checkbox"/> Gas <input type="checkbox"/> Fresh <input type="checkbox"/> Salty <input type="checkbox"/> Sulphur <input type="checkbox"/> Minerals	

**Casing Used**

**Screen Used**

**Casing and Well Details**

Galvanized  Galvanized

Steel  Steel

Fibreglass  Fibreglass

Plastic  Plastic

Concrete  Concrete

Diameter of the Hole (Centimetres): **15.23**

Depth of the Hole (Metres): **37.48**

Wall Thickness (Metres): **0.48**

Inside Diameter of the Casing (Metres): **15.86**

Depth of the Casing (Metres): **=.45 to 8.68**

No Casing and Screen Used:  Open Hole

Disinfected?  Yes  No

Date Well Completed (yyyy/mm/dd): **2008/06/16** Was the well owner's information package delivered?  Yes  No

Date the Well Record and Package Delivered to Well Owner (yyyy/mm/dd): **2008/06/18**

**Well Contractor and Well Technician Information**

Business Name of Well Contractor: **Capital Water Supply Ltd.** Well Contractor's Licence No.: **1 5 5 8**

Business Address (Street No./Name, number, RR): **Box 490** Municipality: **Stittsville**

Province: **Ontario** Postal Code: **K2S1A6** Business E-mail Address: **office@capitalwater.ca**

Bus. Telephone No. (inc. area code): **6 13 836 1766** Name of Well Technician (Last Name, First Name): **Miller, Stephen**

Well Technician's Licence No.: **0 0 9 7** Signature of Technician: \_\_\_\_\_ Date Submitted (yyyy/mm/dd): **2008/06/20**

**Ministry Use Only**

Audit No.: **z 77377** Well Contractor No.: \_\_\_\_\_

Date Received (yyyy/mm/dd): **Oct 14 2008** Date of Inspection (yyyy/mm/dd): \_\_\_\_\_

Remarks: \_\_\_\_\_

Measurements recorded in:  Metric  Imperial

**Well Owner's Information**

First Name: \_\_\_\_\_ Last Name / Organization: **Mattamy (Jack River) Limited.** E-mail Address: \_\_\_\_\_  Well Constructed by Well Owner

Mailing Address (Street Number/Name): **123 Huntmar Drive** Municipality: **Ottawa.** Province: **On.** Postal Code: **K2S1B9** Telephone No. (inc. area code): **6138253439**

**Well Location**

Address of Well Location (Street Number/Name): \_\_\_\_\_ Township: **Goulbourn** Lot: **22** Concession: **3.**

County/District/Municipality: **Goulbourn.** City/Town/Village: **Richmond** Province: **Ontario** Postal Code: **K6A2Z0**

UTM Coordinates: Zone: **18** Easting: **7550** Northing: **47945** Municipal Plan and Sublot Number: **11081**

**Overburden and Bedrock Materials/Abandonment Sealing Record** (see instructions on the back of this form)

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft)	
				From	To
Brown.	Clay.		Packed Soft	0	14
black	Shale.			14	180
white	Sandstone			180	195
black	Shale			195	255

**Annular Space**

Depth Set at (m/ft)	Type of Sealant Used (Material and Type)	Volume Placed (m <sup>3</sup> /ft <sup>3</sup> )
0 to 150'	High Yearly Cement	103

**Method of Construction**

Cable Tool  Diamond  Rotary (Conventional)  Jetting  Rotary (Reverse)  Driving  Boring  Digging  Air percussion  Other, specify \_\_\_\_\_

**Well Use**

Public  Commercial  Not used  Domestic  Municipal  Dewatering  Livestock  Test Hole  Monitoring  Irrigation  Cooling & Air Conditioning  Industrial  Other, specify \_\_\_\_\_

**Construction Record - Casing**

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		Status of Well
			From	To	
10 7/8	Steel	1.88	0	150	<input type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input checked="" type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input type="checkbox"/> Dewatering Well <input type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input type="checkbox"/> Abandoned, other, specify _____ <input type="checkbox"/> Other, specify _____

**Construction Record - Screen**

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)	
			From	To

**Water Details**

Water found at Depth (m/ft)	Kind of Water:
73 (m/ft)	<input type="checkbox"/> Fresh <input checked="" type="checkbox"/> Untested
190 (m/ft)	<input type="checkbox"/> Fresh <input checked="" type="checkbox"/> Untested
210 (m/ft)	<input type="checkbox"/> Fresh <input checked="" type="checkbox"/> Untested

**Hole Diameter**

Depth (m/ft)	Diameter (cm/in)
0 to 255	10 7/8

**Well Contractor and Well Technician Information**

Business Name of Well Contractor: **J.R. Drilling Co. Ltd.** Well Contractor's Licence No.: **3749.**

Business Address (Street Number/Name): **23 Mitchem rd.** Municipality: **Clarendon.**

Province: **Qc.** Postal Code: **J0K2Y0** Business E-mail Address: **jrdrilling2@hotmail.com.**

Bus. Telephone No. (inc. area code): **6138609986** Name of Well Technician (Last Name, First Name): **Moloug hney Bill**

Well Technician's Licence No.: **T050** Signature of Technician and/or Contractor: **Bill Moloug hney** Date Submitted: **20100310**

**Results of Well Yield Testing**

After test of well yield, water was:  Clear and sand free  Other, specify \_\_\_\_\_

If pumping discontinued, give reason: \_\_\_\_\_

Pump intake set at (m/ft): \_\_\_\_\_

Pumping rate (l/min / GPM): **200**

Duration of pumping: \_\_\_\_\_ hrs + \_\_\_\_\_ min

Final water level end of pumping (m/ft): \_\_\_\_\_

If flowing give rate (l/min / GPM): **200**

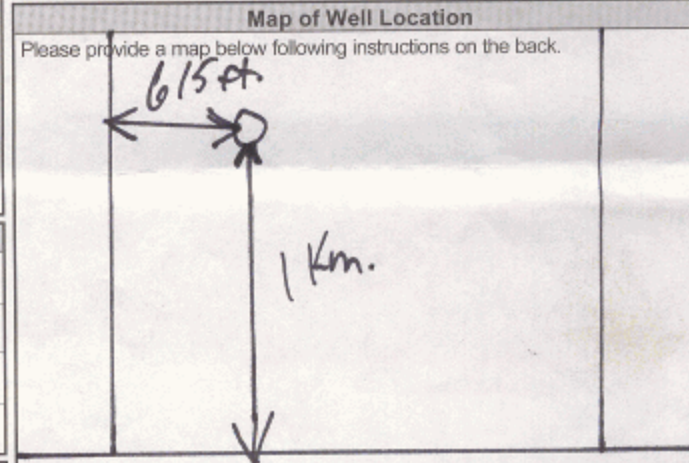
Recommended pump depth (m/ft): \_\_\_\_\_

Recommended pump rate (l/min / GPM): \_\_\_\_\_

Well production (l/min / GPM): \_\_\_\_\_

Disinfected?  Yes  No

Static Level	Draw Down		Recovery	
	Time (min)	Water Level (m/ft)	Time (min)	Water Level (m/ft)
1			1	
2			2	
3			3	
4			4	
5			5	
10			10	
15			15	
20			20	
25			25	
30			30	
40			40	
50			50	
60			60	



Comments: **Franktown Rd**

Well owner's information package delivered:  Yes  No

Date Package Delivered: **20100103**

Date Work Completed: **20100103**

**Ministry Use Only**

Audit No.: **2103267**

APR 06 2010

Measurements recorded in:  Metric  Imperial

Well Owner's Information

First Name: \_\_\_\_\_ Last Name / Organization: **Mattamy (Jack River) Limited.** E-mail Address: \_\_\_\_\_  Well Constructed by Well Owner

Mailing Address (Street Number/Name): **123 Huntman Drive.** Municipality: **Ottawa.** Province: **On.** Postal Code: **K2G 1B9.** Telephone No. (inc. area code): **613 825 3479**

Well Location

Address of Well Location (Street Number/Name): \_\_\_\_\_ Township: **Goulbourn.** Lot: **22.** Concession: **3.**

County/District/Municipality: **Goulbourn.** City/Town/Village: **Richmond.** Province: **Ontario** Postal Code: \_\_\_\_\_

UTM Coordinates Zone Easting Northing: **NAD 83 7550 49645 11105** Municipal Plan and Sublot Number: \_\_\_\_\_ Other: \_\_\_\_\_

Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft)	
				From	To
Brown	Clay		Packed.	0	11'
black.	Shale.		soft	11	150'
black	Shale			150	180
white.	sandstone			180	195
black	shale			195	255
black.	granite			255	395
				395	405

Annular Space			
Depth Set at (m/ft)	Type of Sealant Used (Material and Type)	Volume Placed (m <sup>3</sup> /ft <sup>3</sup> )	
From: 0 To: 150'	High early Cement.	103	

**Method of Construction**

Cable Tool  Diamond  Public  Commercial  Not used

Rotary (Conventional)  Jetting  Domestic  Municipal  Dewatering

Rotary (Reverse)  Driving  Livestock  Test Hole  Monitoring

Boring  Digging  Irrigation  Cooling & Air Conditioning

Air percussion  Industrial

Other, specify \_\_\_\_\_  Other, specify \_\_\_\_\_

Construction Record - Casing				Status of Well	
Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		<input type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input checked="" type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input type="checkbox"/> Dewatering Well <input type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input type="checkbox"/> Abandoned, other, specify _____ <input type="checkbox"/> Other, specify _____
			From	To	
10 1/8"	Steel.	1.88"	0	150'	

Water Details		Hole Diameter	
Water found at Depth (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input checked="" type="checkbox"/> Untested	Depth (m/ft)	Diameter (cm/in)
73 (m/ft)	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____	From: 150 To: 255	10 1/8"
190 (m/ft)	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____	255 455	6 1/8"

**Well Contractor and Well Technician Information**

Business Name of Well Contractor: **J.R. Drilling Co. LTD.** Well Contractor's Licence No.: **3 7 4 9.**

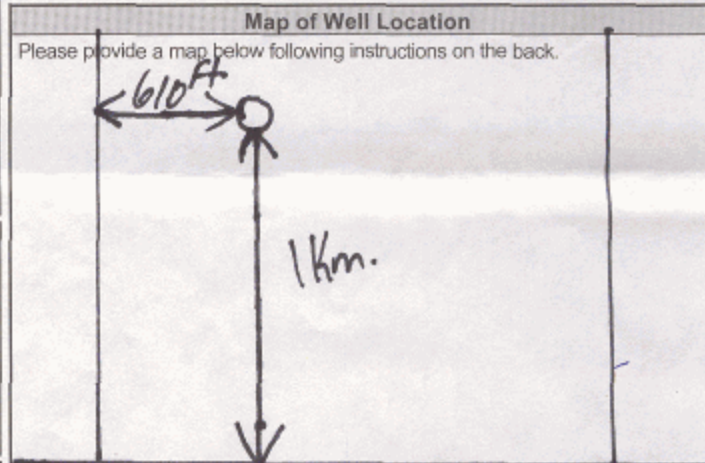
Business Address (Street Number/Name): **23 Mitchem Ro.** Municipality: **Clarendon**

Province: **Qc.** Postal Code: **J0X 2Y0** Business E-mail Address: **jrdrilling2@hotmail.com**

Bus. Telephone No. (inc. area code): **613 860 9986** Name of Well Technician (Last Name, First Name): **Moloughney Bill**

Well Technician's Licence No.: **T 0 5 0** Signature of Technician and/or Contractor: **[Signature]** Date Submitted: **20100316**

Results of Well Yield Testing				
After test of well yield, water was:	Draw Down		Recovery	
	Time (min)	Water Level (m/ft)	Time (min)	Water Level (m/ft)
<input type="checkbox"/> Clear and sand free <input type="checkbox"/> Other, specify _____				
If pumping discontinued, give reason:	Static Level			
	1		1	
Pump intake set at (m/ft)	2		2	
Pumping rate (l/min / GPM)	3		3	
	4		4	
Duration of pumping _____ hrs + _____ min	5		5	
Final water level end of pumping (m/ft) <b>1</b>	10		10	
If flowing give rate (l/min / GPM) <b>100</b>	15		15	
Recommended pump depth (m/ft)	20		20	
	25		25	
Recommended pump rate (l/min / GPM)	30		30	
	40		40	
Well production (l/min / GPM)	50		50	
Disinfected? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	60		60	



Comments: \_\_\_\_\_

Well owner's information package delivered <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Date Package Delivered	Ministry Use Only Audit No. <b>Z 103264</b> APR 06 2010
	Date Work Completed	
	<b>2009/1/19</b>	

Measurements recorded in:  Metric  Imperial

**Well Owner's Information**

First Name	Last Name / Organization	E-mail Address	<input type="checkbox"/> Well Constructed by Well Owner
	Mattamy (Sack River) Limited		
Mailing Address (Street Number/Name)	Municipality	Province	Postal Code
123 Huntmar Drive	Ottawa	On.	K2S1B9G
		Telephone No. (inc. area code)	
		6138253479	

**Well Location**

Address of Well Location (Street Number/Name)	Township	Lot	Concession
	Goulbourn	22	3
County/District/Municipality	City/Town/Village	Province	Postal Code
Goulbourn	Richmond	Ontario	
UTM Coordinates	Zone	Easting	Northing
NAD 83	18	7550.472	4511081
		Municipal Plan and Sublot Number	Other

**Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)**

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft)	
				From	To
Brown.	Clay		Packed.	0	14
grey.	Shale			14	190'
white	Sandstone			190'	205'
grey.	Shale.			205	230'

Annular Space		
Depth Set at (m/ft)	Type of Sealant Used (Material and Type)	Volume Placed (m <sup>3</sup> /ft <sup>3</sup> )
0 to 26	Normal Portland Cement	9.1

Method of Construction	Well Use
<input type="checkbox"/> Cable Tool <input checked="" type="checkbox"/> Rotary (Conventional) <input type="checkbox"/> Rotary (Reverse) <input type="checkbox"/> Boring <input type="checkbox"/> Air percussion <input type="checkbox"/> Other, specify _____	<input type="checkbox"/> Public <input type="checkbox"/> Domestic <input type="checkbox"/> Livestock <input type="checkbox"/> Irrigation <input type="checkbox"/> Industrial <input type="checkbox"/> Other, specify _____
<input type="checkbox"/> Diamond <input type="checkbox"/> Jetting <input type="checkbox"/> Driving <input type="checkbox"/> Digging	<input type="checkbox"/> Commercial <input type="checkbox"/> Municipal <input checked="" type="checkbox"/> Test Hole <input type="checkbox"/> Cooling & Air Conditioning <input type="checkbox"/> Not used <input type="checkbox"/> Dewatering <input type="checkbox"/> Monitoring

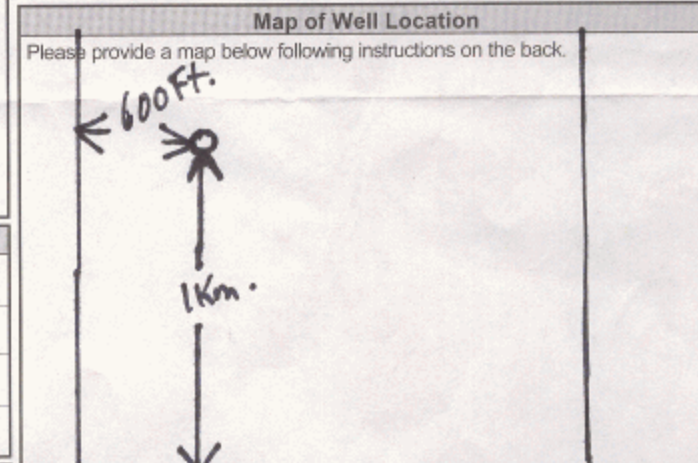
Construction Record - Casing				Status of Well	
Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		<input type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input checked="" type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input type="checkbox"/> Dewatering Well <input type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input type="checkbox"/> Abandoned, other, specify _____ <input type="checkbox"/> Other, specify _____
			From	To	
6 1/8"	Steel	1.58.	0	26'	

Construction Record - Screen				
Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)	
			From	To

Water Details		Hole Diameter	
Water found at Depth 73' (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input checked="" type="checkbox"/> Untested	Depth (m/ft) From 26' To 230'	Diameter (cm/in) 6 1/8"
Water found at Depth 180 (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input checked="" type="checkbox"/> Untested		
Water found at Depth 225 (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input checked="" type="checkbox"/> Untested		

Well Contractor and Well Technician Information	
Business Name of Well Contractor	Well Contractor's Licence No.
J.R. Drilling Co. Ltd.	3749
Business Address (Street Number/Name)	Municipality
23 Mitchem Rd.	Clarendon
Province	Postal Code
On	J0X2Y0
Business E-mail Address	Name of Well Technician (Last Name, First Name)
jrdrilling2@hotmail.com	Bill Moloughney
Bus. Telephone No. (inc. area code)	Well Technician's Licence No.
6138609986	T050
Signature of Technician and/or Contractor	Date Submitted
[Signature]	20100311

Results of Well Yield Testing				
After test of well yield, water was: <input type="checkbox"/> Clear and sand free <input type="checkbox"/> Other, specify _____	Draw Down		Recovery	
	Time (min)	Water Level (m/ft)	Time (min)	Water Level (m/ft)
If pumping discontinued, give reason:  Pump intake set at (m/ft)  Pumping rate (l/min / GPM)  Duration of pumping _____ hrs + _____ min  Final water level end of pumping (m/ft)  If flowing give rate (l/min / GPM) 200 Recommended pump depth (m/ft)  Recommended pump rate (l/min / GPM)  Well production (l/min / GPM)  Disinfected? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Static Level			
	1		1	
	2		2	
	3		3	
	4		4	
	5		5	
10		10		
15		15		
20		20		
25		25		
30		30		
40		40		
50		50		
60		60		



Comments:

Frankstown Rd.

Well owner's information package delivered	Date Package Delivered	Ministry Use Only
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Y Y Y Y M M D D 2009/1/20	Audit No. 2103266 APR 06 2010 Received

A110543

Address of Well Location (Street Number/Name) **126 Fortawe St**  
 County/District/Municipality **OTT**

Township **Richmond**  
 City/Town/Village **Richmond**

Province **Ontario** Postal Code **K0A 2Z0**

UTM Coordinates Zone **18** Easting **434662** Northing **5003490**  
 Municipal Plan and Sublot Number **4R-13613** Other **Pack-4**

**Overburden and Bedrock Materials/Abandonment Sealing Record** (see instructions on the back of this form)

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft)	
				From	To
Brown	Clay	Sand	Soft	0	1.21
Grey	Clay	Boulders	Loose	1.21	3.63
Grey	limestone		Hard	3.63	37.81

**Annular Space**

Depth Set at (m/ft)	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
From	To	
6.06	0	Cement beads 120kg.

**Results of Well Yield Testing**

After test of well yield, water was:  
 Clear and sand free  
 Other, specify \_\_\_\_\_

If pumping discontinued, give reason:

Time (min)	Draw Down		Recovery	
	Water Level (m/ft)	Time (min)	Water Level (m/ft)	Time (min)
Static Level	1.57		1.60	
1	1.64	1	1.57	
2	1.64	2		
3	1.63	3		
4	1.63	4		
5	1.62	5		
10	1.61	10		
15	1.60	15		
20	1.58	20		
25	1.58	25		
30	1.58	30		
40	1.59	40		
50	1.60	50		
60	1.60	60		

Pump intake set at (m/ft) **22.72**

Pumping rate (l/min / GPM) **54.00**

Duration of pumping **1 hrs + 00 min**

Final water level end of pumping (m/ft) **1.60**

If flowing give rate (l/min / GPM)

Recommended pump depth (m/ft) **22.72**

Recommended pump rate (l/min / GPM) **45.00**

Well production (l/min / GPM) **90.00**

Disinfected?  Yes  No

**Method of Construction**

Cable Tool  Diamond  
 Rotary (Conventional)  Jetting  
 Rotary (Reverse)  Driving  
 Boring  Digging  
 Air percussion  
 Other, specify \_\_\_\_\_

**Well Use**

Public  Commercial  Not used  
 Domestic  Municipal  Dewatering  
 Livestock  Test Hole  Monitoring  
 Irrigation  Cooling & Air Conditioning  
 Industrial  
 Other, specify \_\_\_\_\_

**Construction Record - Casing**

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Well Thickness (cm/in)	Depth (m/ft)		Status of Well
			From	To	
15.86	Steel	0.48	0.90	6.06	<input checked="" type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input type="checkbox"/> Dewatering Well <input type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input type="checkbox"/> Abandoned, other, specify _____ <input type="checkbox"/> Other, specify _____

**Construction Record - Screen**

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)		Status of Well
			From	To	

**Water Details**

Water found at Depth (m/ft)	Kind of Water: <input checked="" type="checkbox"/> Fresh <input type="checkbox"/> Untested	Depth (m/ft)	Diameter (cm/in)
	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____	From	To
12.12		0	6.06
25.75		6.06	31.81

**Well Contractor and Well Technician Information**

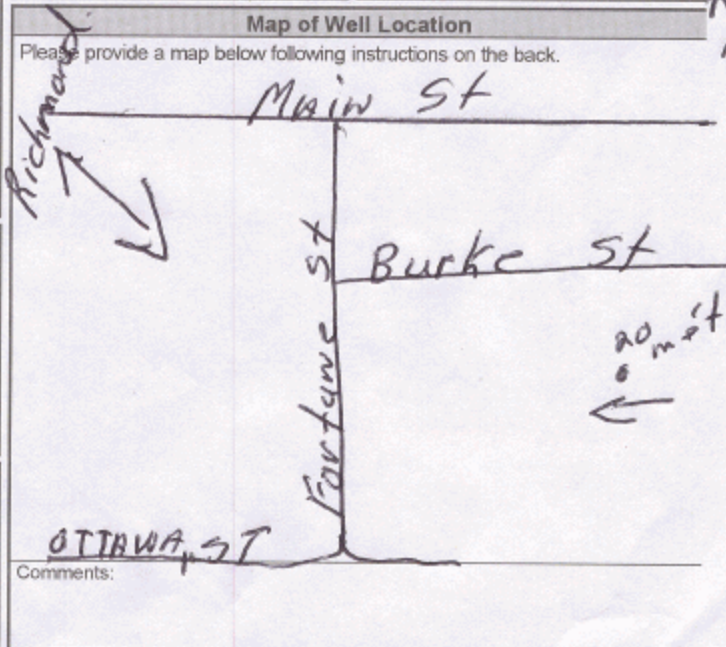
Business Name of Well Contractor **DXR-WATER-Well-Drilling** Well Contractor's Licence No. **6006**

Business Address (Street Number/Name) **1263 - Route 900 west** Municipality **NATION**

Province **ON** Postal Code **K0A3C0** Business E-mail Address \_\_\_\_\_

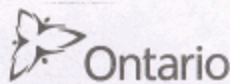
Bus. Telephone No. (inc. area code) **613 987 5598** Name of Well Technician (Last Name, First Name) **Desnoyers Louis**

Well Technician's Licence No. **1625** Signature of Technician and/or Contractor **Louis Desnoyers** Date Submitted **2010 11 22**



Comments: **OTTAWA, ST**

Well owner's information package delivered	Date Package Delivered	Ministry Use Only
<input checked="" type="checkbox"/> Yes	<b>2010 11 18</b>	Audit No. <b>z125144</b>
<input type="checkbox"/> No	<b>2010 11 18</b>	Received <b>DEC 03 2010</b>



Measurements recorded in:  Metric  Imperial

Well Owner's Information

First Name, Last Name / Organization, E-mail Address, Mailing Address, Municipality, Province, Postal Code, Telephone No.

Well Location

Address of Well Location, Township, Lot, Concession, County/District/Municipality, City/Town/Village, Province, Postal Code, UTM Coordinates, Northing, Municipal Plan and Sublot Number

Overburden and Bedrock Materials/Abandonment Sealing Record

Table with columns: General Colour, Most Common Material, Other Materials, General Description, Depth (m/ft) From, To

Annular Space table with columns: Depth Set at (m/ft) From, To, Type of Sealant Used, Volume Placed (m³/ft³)

Method of Construction and Well Use table with checkboxes for Cable Tool, Rotary, Boring, etc.

Construction Record - Casing table with columns: Inside Diameter, Open Hole OR Material, Wall Thickness, Depth (m/ft) From, To, Status of Well

Construction Record - Screen table with columns: Outside Diameter, Material, Slot No., Depth (m/ft) From, To

Water Details and Hole Diameter table with columns: Water found at Depth, Kind of Water, Depth (m/ft) From, To, Diameter (cm/in)

Well Contractor and Well Technician Information form with fields for Business Name, Address, Licence No., etc.

Results of Well Yield Testing table with columns: Draw Down, Recovery, Time (min), Water Level (m/ft)

Map of Well Location section with a hand-drawn map and instructions.

Well Technician's Licence No., Signature, Date Submitted, Date Package Delivered, Date Work Completed

Ministry Use Only section with Audit No. z115607 and Received date DEC 09 2010

Address of Well Location (Street Number/Name) 55 Fortune St. Township \_\_\_\_\_ Lot \_\_\_\_\_ Concession \_\_\_\_\_  
 County/District/Municipality \_\_\_\_\_ City/Town/Village Richmond Province Ontario Postal Code \_\_\_\_\_  
 UTM Coordinates Zone Easting Northing Municipal Plan and Sublot Number Other  
 NAD 83 18 43 40 59 50 03 9 80

**Overburden and Bedrock Materials/Abandonment Sealing Record** (see instructions on the back of this form)

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft)	
				From	To
Bm	Sand		Soft, dry	0	1.5
Grg	Clay	Silt	Hard, wet	1.5	2.44
Grg	Silt		Hard, wet	2.44	3.1

**Annular Space**

Depth Set at (m/ft)	Type of Sealant Used (Material and Type)	Volume Placed (m <sup>3</sup> /ft <sup>3</sup> )
0 1.35	Benseal	
1.35 3.1	Sand	

**Results of Well Yield Testing**

After test of well yield, water was:  
 Clear and sand free  
 Other, specify \_\_\_\_\_

If pumping discontinued, give reason:  
 Static Level

Time (min)	Draw Down		Recovery	
	Water Level (m/ft)	Time (min)	Water Level (m/ft)	Time (min)
1		1		
2		2		
3		3		
4		4		
5		5		
10		10		
15		15		
20		20		
25		25		
30		30		
40		40		
50		50		
60		60		

Pump intake set at (m/ft) \_\_\_\_\_  
 Pumping rate (l/min / GPM) \_\_\_\_\_  
 Duration of pumping \_\_\_\_\_ hrs + \_\_\_\_\_ min  
 Final water level end of pumping (m/ft) \_\_\_\_\_  
 If flowing give rate (l/min / GPM) \_\_\_\_\_  
 Recommended pump depth (m/ft) \_\_\_\_\_  
 Recommended pump rate (l/min / GPM) \_\_\_\_\_  
 Well production (l/min / GPM) \_\_\_\_\_  
 Disinfected?  Yes  No

**Method of Construction**

Cable Tool  Diamond  Public  Commercial  Not used  
 Rotary (Conventional)  Jetting  Domestic  Municipal  Dewatering  
 Rotary (Reverse)  Driving  Livestock  Test Hole  Monitoring  
 Boring  Digging  Irrigation  Cooling & Air Conditioning  
 Air percussion  Industrial  
 Other, specify Direct Push  Other, specify \_\_\_\_\_

**Construction Record - Casing**

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		Status of Well
			From	To	
3.45	PVC	.356	0	1.5	<input type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input checked="" type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input type="checkbox"/> Dewatering Well <input checked="" type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input type="checkbox"/> Abandoned, other, specify _____ <input type="checkbox"/> Other, specify _____

**Construction Record - Screen**

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)		Status of Well
			From	To	
4.21	PVC	10	1.5	3.1	<input type="checkbox"/> Other, specify _____

**Water Details**

Water found at Depth (m/ft)	Kind of Water:	Hole Diameter
	<input type="checkbox"/> Fresh <input type="checkbox"/> Untested	Depth (m/ft) From To Diameter (cm/in)
	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____	0 3.1 5.71
	<input type="checkbox"/> Fresh <input type="checkbox"/> Untested	
	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____	
	<input type="checkbox"/> Fresh <input type="checkbox"/> Untested	
	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____	

**Well Contractor and Well Technician Information**

Business Name of Well Contractor: Strata Soil Sampling Well Contractor's Licence No.: 72411  
 Business Address (Street Number/Name): 147-2 West Beaver Creek Rd Municipality: Richmond Hill  
 Province: Ontario Postal Code: L4B 1C6 Business E-mail Address: records@stratasoil.com  
 Bus. Telephone No. (inc. area code): 9057699304 Name of Well Technician (Last Name, First Name): Beatty Brian  
 Well Technician's Licence No.: 3616 Signature of Technician and/or Contractor: [Signature] Date Submitted: 20110807

**Map of Well Location**

Please provide a map below following instructions on the back.

Comments: \_\_\_\_\_

Well owner's information package delivered:  Yes  No Date Work Completed: 20110804

**Ministry Use Only**  
 Audit No.: z 129541  
 Received: AUG 23 2011

Measurements recorded in:  Metric  Imperial

Page \_\_\_\_\_ of \_\_\_\_\_

**Well Owner's Information**

First Name	Last Name / Organization Doyle Homes	E-mail Address	<input type="checkbox"/> Well Constructed by Well Owner
Mailing Address (Street Number/Name) 2171 McGee Side Road		Municipality Carp	Province Ontario
		Postal Code K0A 1L0	Telephone No. (inc. area code) 613 913 1879

**Well Location**

Address of Well Location (Street Number/Name) 122 Fortune		Township Goulbourn	Lot 22	Concession 3
County/District/Municipality Ottawa Carleton		City/Town/Village Richmond	Province Ontario	Postal Code
UTM Coordinates	Zone NAD 83	Easting 18 434534	Northing 5003497	Municipal Plan and Sublot Number
				Other

**Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)**

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft)	
				From	To
Brown	Soil	Boulders		0	6.09
Coloured Gravel & Broken Rock			Packed	6.09	7.92
Grey	Limestone		Medium	7.92	42.66

**Annular Space**

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m <sup>3</sup> /ft <sup>3</sup> )
8.53	0	Grouted Cement & Bentonite	.42m <sup>3</sup>

**Results of Well Yield Testing**

After test of well yield, water was: <input checked="" type="checkbox"/> Clear and sand free <input type="checkbox"/> Other, specify _____	Draw Down	Recovery		
If pumping discontinued, give reason:	Time (min)	Water Level (m/ft)	Time (min)	Water Level (m/ft)
	Static Level	3.77		
Pump intake set at (m/ft) 15.23	1	4.05	1	3.92
Pumping rate (l/min / GPM) 45.5	2	4.09	2	3.78
Duration of pumping 1 hrs + _____ min	3	4.10	3	3.77
Final water level end of pumping (m/ft) 4.14	4	4.10	4	
If flowing give rate (l/min / GPM)	5	4.11	5	
Recommended pump depth (m/ft) 15.23	10	4.11	10	
Recommended pump rate (l/min / GPM) 45.5	15	4.12	15	
Well production (l/min / GPM)	20	4.12	20	
Disinfected? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	25	4.13	25	
	30	4.13	30	
	40	4.14	40	
	50	4.14	50	
	60	4.14	60	

**Method of Construction**

**Well Use**

<input type="checkbox"/> Cable Tool	<input type="checkbox"/> Diamond	<input type="checkbox"/> Public	<input type="checkbox"/> Commercial	<input type="checkbox"/> Not used
<input checked="" type="checkbox"/> Rotary (Conventional)	<input type="checkbox"/> Jetting	<input checked="" type="checkbox"/> Domestic	<input type="checkbox"/> Municipal	<input type="checkbox"/> Dewatering
<input type="checkbox"/> Rotary (Reverse)	<input type="checkbox"/> Driving	<input type="checkbox"/> Livestock	<input type="checkbox"/> Test Hole	<input type="checkbox"/> Monitoring
<input type="checkbox"/> Boring	<input type="checkbox"/> Digging	<input type="checkbox"/> Irrigation	<input type="checkbox"/> Cooling & Air Conditioning	
<input checked="" type="checkbox"/> Air percussion		<input type="checkbox"/> Industrial		
<input type="checkbox"/> Other, specify _____		<input type="checkbox"/> Other, specify _____		

**Construction Record - Casing**

**Status of Well**

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		Status of Well
			From	To	
15.86	Steel	.48	+4.5	8.53	<input checked="" type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input type="checkbox"/> Dewatering Well <input type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input type="checkbox"/> Abandoned, other, specify _____ <input type="checkbox"/> Other, specify _____

**Construction Record - Screen**

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)	
			From	To

**Water Details**

**Hole Diameter**

Water found at Depth 42.06(m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input checked="" type="checkbox"/> Untested	Depth (m/ft) From	To	Diameter (cm/in)
	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____	0	8.53	15.86
Water found at Depth (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested	8.53	42.66	15.23
	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____			
Water found at Depth (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested			
	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____			

**Well Contractor and Well Technician Information**

Business Name of Well Contractor Capital Water Supply Ltd.	Well Contractor's Licence No. 1 5 5 8
Business Address (Street Number/Name) Box 490	Municipality Stittsville
Province Ontario	Postal Code K2S 1A6
Business E-mail Address office@capitalwater.ca	Name of Well Technician (Last Name, First Name) Miller, Stephen
Bus. Telephone No. (inc. area code) 613 836 1766	Signature of Technician and/or Contractor 
Well Technician's Licence No. 0 0 9 7	Date Submitted 20120831

**Map of Well Location**

Please provide a map below following instructions on the back.

Comments:

Well owner's information package delivered <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date Package Delivered 20120829	Ministry Use Only Audit No. Z139830 Received MAR 28 2013
Date Work Completed 20120828		



Measurements recorded in:  Metric  Imperial

Page of

N/A

Address of Well Location (Street Number/Name) #98 Fortune Street  
 Township GOULBOURN Lot X Concession X  
 County/District/Municipality Ottawa-Carleton City/Town/Village Richmond Province Ontario Postal Code  
 UTM Coordinates Zone Easting Northing NAD 83 18 434402 5003684 Municipal Plan and Sublot Number Plan D-18 Other Part U-37

Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From To
	6" Drilled well	Abandonment		0' 20'
* New 6" well drilled June 30/15 TAGA187032 Audit Z191516*				
* PLAN 4R3417 - Parts 2-4				

Annular Space		
Depth Set at (m/ft) From To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
20' 5'	3/8 Hole Plug	6 Bags
5' 0'	Backfill	

Results of Well Yield Testing				
After test of well yield, water was: <input type="checkbox"/> Clear and sand free <input type="checkbox"/> Other, specify	Draw Down		Recovery	
	Time (min)	Water Level (m/ft)	Time (min)	Water Level (m/ft)
If pumping discontinued, give reason:	Static Level			
	1		1	
	Pump intake set at (m/ft)	2	2	
	Pumping rate (l/min / GPM)	3	3	
	Duration of pumping hrs + min	4	4	
	Final water level end of pumping (m/ft)	5	5	
If flowing give rate (l/min / GPM)	10		10	
	15		15	
	20		20	
	25		25	
	30		30	
	40		40	
Recommended pump depth (m/ft)	50		50	
	60		60	
Recommended pump rate (l/min / GPM)				
Well production (l/min / GPM)				
Disinfected? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				

Method of Construction		Well Use		
<input type="checkbox"/> Cable Tool	<input type="checkbox"/> Diamond	<input type="checkbox"/> Public	<input type="checkbox"/> Commercial	<input type="checkbox"/> Not used
<input type="checkbox"/> Rotary (Conventional)	<input type="checkbox"/> Jetting	<input type="checkbox"/> Domestic	<input type="checkbox"/> Municipal	<input type="checkbox"/> Dewatering
<input type="checkbox"/> Rotary (Reverse)	<input type="checkbox"/> Driving	<input type="checkbox"/> Livestock	<input type="checkbox"/> Test Hole	<input type="checkbox"/> Monitoring
<input type="checkbox"/> Boring	<input type="checkbox"/> Digging	<input type="checkbox"/> Irrigation	<input type="checkbox"/> Cooling & Air Conditioning	
<input type="checkbox"/> Air percussion		<input type="checkbox"/> Industrial		
<input type="checkbox"/> Other, specify		<input type="checkbox"/> Other, specify		

Construction Record - Casing				Status of Well	
Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		<input type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input type="checkbox"/> Dewatering Well <input type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input type="checkbox"/> Abandoned, other, specify <input type="checkbox"/> Other, specify
			From	To	

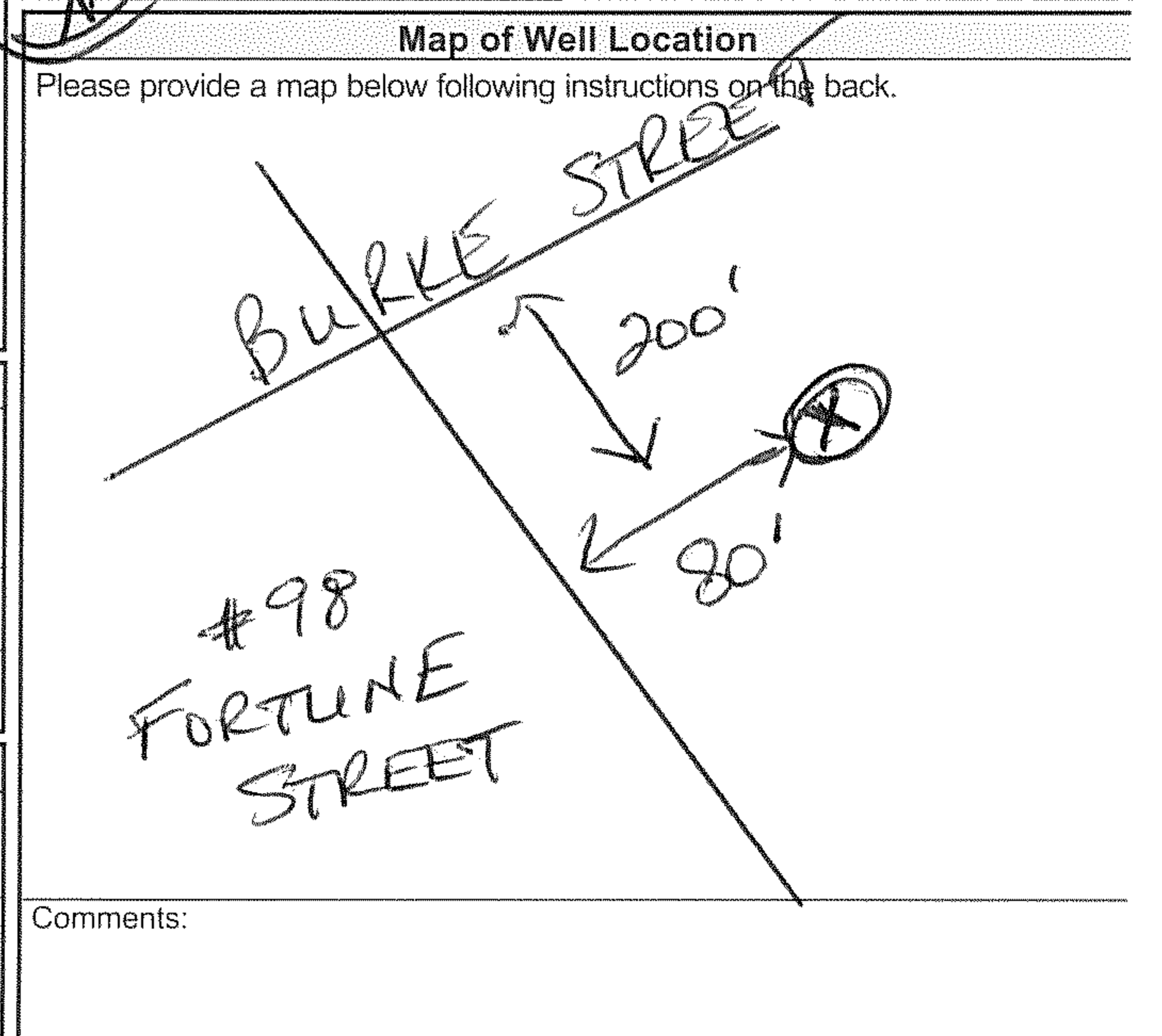
Construction Record - Screen				Status of Well
Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)	
			From	To
			* NOT TO REG 903	

Water Details		Hole Diameter	
Water found at Depth (m/ft) <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested	Depth (m/ft) From To	Diameter (cm/in)
Water found at Depth (m/ft) <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested		
Water found at Depth (m/ft) <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested		

Well Contractor and Well Technician Information

Business Name of Well Contractor AIR ROCK DRILLING CO LTD Well Contractor's Licence No. 11191  
 Business Address (Street Number/Name) RR#1 RICHMOND Municipality  
 Province ONT Postal Code K0A2Z0 Business E-mail Address

Bus. Telephone No. (inc. area code) 6138882170 Name of Well Technician (Last Name, First Name) Desautniers Ken  
 Well Technician's Licence No. TA Signature of Technician and/or Contractor Date Submitted 20150731



Well owner's information package delivered  Yes  No

Date Package Delivered 20150708

Date Work Completed 20150708

Ministry Use Only

Audit No. Z191504

SEP 22 2015

Measurements recorded in:  Metric  Imperial

A187032

Page \_\_\_\_\_ of \_\_\_\_\_

Address of Well Location (Street Number/Name) **98 Fortune Street** Township **Goulbourn** Lot **X** Concession **X**

County/District/Municipality **Ottawa-Carleton** City/Town/Village **Richmond** Province **Ontario** Postal Code \_\_\_\_\_

UTM Coordinates Zone Easting Northing Municipal Plan and Sublot Number Other

NAD 83 **18** **434387** **5003692** **Plan D-18** **Part U-37**

**Overburden and Bedrock Materials/Abandonment Sealing Record** (see instructions on the back of this form)

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
	Clay	Sand		0'	14'
Grey	Limestone			14'	156'
White	Sandstone			156'	173'
White	Sandstone			173'	179'

*\* PLAN 4R3417 - Parts 2-4*

**Annular Space**

Depth Set at (m/ft) From	Depth Set at (m/ft) To	Type of Sealant Used (Material and Type)	Volume Placed (m <sup>3</sup> /ft <sup>3</sup> )
20'	10'	Neat cement	12.5
10'	0'	Bentonite slurry	29.4

**Method of Construction**

Cable Tool  Diamond  Public  Commercial  Not used

Rotary (Conventional)  Jetting  Domestic  Municipal  Dewatering

Rotary (Reverse)  Driving  Livestock  Test Hole  Monitoring

Boring  Digging  Irrigation  Cooling & Air Conditioning

Air percussion  Industrial  Other, specify \_\_\_\_\_

Other, specify \_\_\_\_\_

**Construction Record - Casing**

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		Status of Well
			From	To	
6 1/4"	Steel	.188"	+2'	20'	<input checked="" type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input type="checkbox"/> Dewatering Well <input type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input type="checkbox"/> Abandoned, other, specify _____ <input type="checkbox"/> Other, specify _____
5 15/16"	Open Hole		20'	179'	

**Construction Record - Screen**

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)	
			From	To

**Water Details**

Water found at Depth (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input checked="" type="checkbox"/> Untested
73'	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____
	<input type="checkbox"/> Fresh <input type="checkbox"/> Untested
	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____
	<input type="checkbox"/> Fresh <input type="checkbox"/> Untested
	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____

**Hole Diameter**

Depth (m/ft) From	Depth (m/ft) To	Diameter (cm/in)
0'	20'	9 3/4"
20'	179'	5 15/16"

**Well Contractor and Well Technician Information**

Business Name of Well Contractor: **Air Rock Drilling Co. Ltd.** Well Contractor's Licence No.: **1119**

Business Address (Street Number, Name): **6054 Press Street, RR#1** Municipality: **Richmond**

Province: **ON** Postal Code: **K0A 2Z0** Business E-mail Address: **air-rock@sympatico.ca**

Bus. Telephone No. (inc. area code): **6138882170** Name of Well Technician (Last Name, First Name): **Hanna, Jeremy**

Well Technician's Licence No.: **T3632** Signature of Technician and/or Contractor: *[Signature]* Date Submitted: **2015 07 31**

**Results of Well Yield Testing**

After test of well yield, water was:  Clear and sand free  Other, specify **Not tested**

If pumping discontinued, give reason: **X**

Pump intake set at (m/ft): **160**

Pumping rate (l/min / GPM): **15 us**

Duration of pumping: **1 hrs + 0 min**

Final water level end of pumping (m/ft): **73.8"**

If flowing give rate (l/min / GPM): **X**

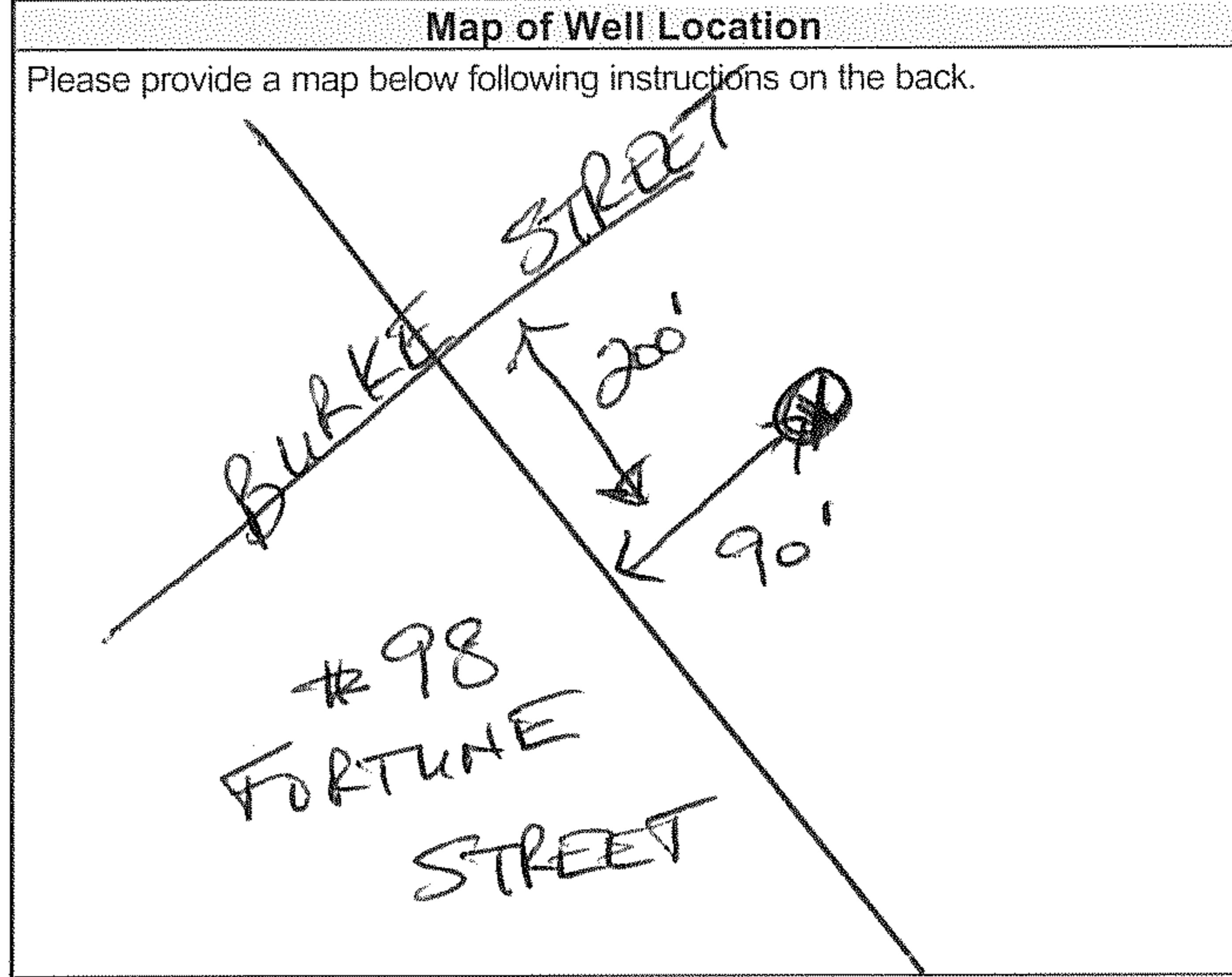
Recommended pump depth (m/ft): **120'**

Recommended pump rate (l/min / GPM): **12**

Well production (l/min / GPM): **12 +**

Disinfected?  Yes  No

Time (min)	Draw Down		Recovery	
	Water Level (m/ft)	Time (min)	Water Level (m/ft)	Time (min)
Static Level	5.5'		73.8'	
1	16.3	1	64.7	
2	22.2	2	53.9	
3	30.5	3	41.3	
4	35.9	4	24.8	
5	39.6	5	12.4	
10	54.6	10	5.5	
15	66.1	15	5.5	
20	70.7	20	5.5	
25	72.4	25	5.5	
30	73.8	30	5.5	
40	73.8	40	5.5	
50	73.8	50	5.5	
60	73.8'	60	5.5'	



Comments: **1/2 HP - 10 GPM SET @ 120 FT**

Well owner's information package delivered:  Yes  No

Date Package Delivered: **2015 07 02**

Date Work Completed: **2015 06 30**

**Ministry Use Only**

Audit No: **Z191516**

Received: **SEP 22 2015**



Measurements recorded in:  Metric  Imperial

Page \_\_\_\_\_ of \_\_\_\_\_

Address of Well Location (Street Number/Name) 113 Fortune St Township \_\_\_\_\_ Lot \_\_\_\_\_ Concession \_\_\_\_\_  
 County/District/Municipality Ottawa carlton City/Town/Village Richmond Province Ontario Postal Code K0A 2Z0  
 UTM Coordinates Zone 18U Easting 434504 Northing 5003500 Municipal Plan and Sublot Number \_\_\_\_\_ Other \_\_\_\_\_

**Overburden and Bedrock Materials/Abandonment Sealing Record** (see instructions on the back of this form)

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft)	
				From	To
	* Raised Well casing above grade as per code requirements while doing pump work.				
	Well depth at time 56 feet				
			pump test not performed at time of work		

**Annular Space**

Depth Set at (m/ft)	Type of Sealant Used (Material and Type)	Volume Placed (m <sup>3</sup> /ft <sup>3</sup> )
From: _____ To: _____	<u>N/A</u>	

**Results of Well Yield Testing**

After test of well yield, water was: <input type="checkbox"/> Clear and sand free <input type="checkbox"/> Other, specify _____	Draw Down		Recovery	
	Time (min)	Water Level (m/ft)	Time (min)	Water Level (m/ft)
If pumping discontinued, give reason: _____	Static Level			
	1		1	
Pump intake set at (m/ft)	2		2	
	3		3	
Pumping rate (l/min / GPM)	4		4	
	5		5	
Duration of pumping hrs + min	10		10	
	15		15	
Final water level end of pumping (m/ft)	20		20	
	25		25	
If flowing give rate (l/min / GPM)	30		30	
	40		40	
Recommended pump depth (m/ft)	50		50	
	60		60	
Recommended pump rate (l/min / GPM)				
Well production (l/min / GPM)				
Disinfected? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				

**Method of Construction**

Cable Tool  Diamond  Public  Commercial  Not used  
 Rotary (Conventional)  Jetting  Domestic  Municipal  Dewatering  
 Rotary (Reverse)  Driving  Livestock  Test Hole  Monitoring  
 Boring  Digging  Irrigation  Cooling & Air Conditioning  
 Air percussion  Industrial  Other, specify \_\_\_\_\_  
 Other, specify \_\_\_\_\_

**Construction Record - Casing**

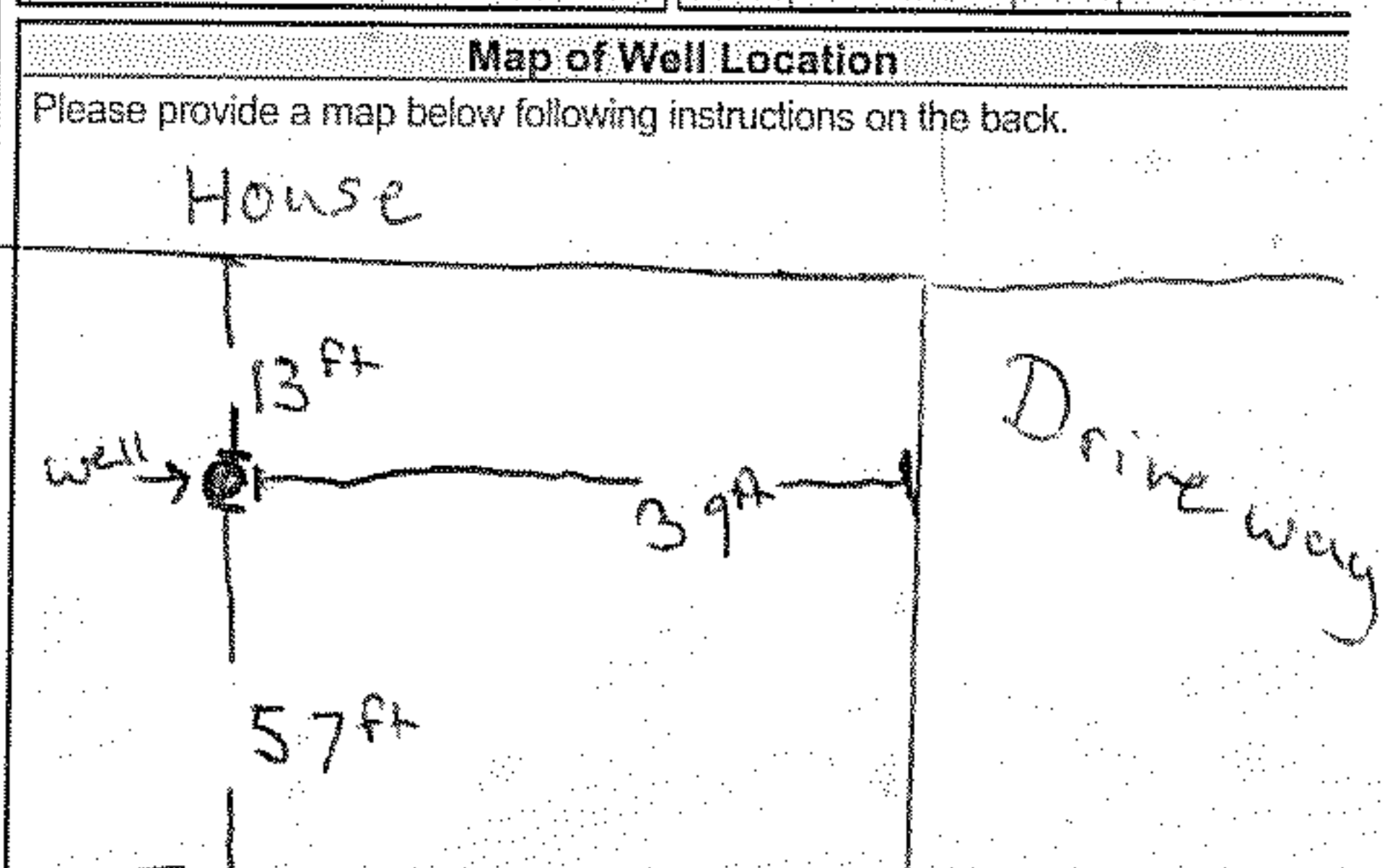
Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		Status of Well
			From	To	
	<u>N/A</u>				<input checked="" type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input type="checkbox"/> Dewatering Well <input type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input type="checkbox"/> Abandoned, other, specify _____ <input type="checkbox"/> Other, specify _____

**Construction Record - Screen**

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)	
			From	To

**Water Details**

Water found at Depth (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input checked="" type="checkbox"/> Untested	Hole Diameter
<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____		Depth (m/ft) From: _____ To: _____ Diameter (cm/in) _____
<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____		<u>N/A</u>
<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____		



**Well Contractor and Well Technician Information**

Business Name of Well Contractor: C+N Electric Ltd. Well Contractor's Licence No.: 6364  
 Business Address (Street Number/Name): 5640 Manotick Main St Municipality: Ottawa  
 Province: Ont Postal Code: K4M1B3 Business E-mail Address: \_\_\_\_\_  
 Bus. Telephone No. (inc. area code): 6136923284 Name of Well Technician (Last Name, First Name): Sadler Ron  
 Well Technician's Licence No.: T637 Signature of Technician and/or Contractor: [Signature] Date Submitted: \_\_\_\_\_

Comments: \_\_\_\_\_

Well owner's information package delivered:  Yes  No

Date Package Delivered: 20160428  
 Date Work Completed: 20160428

**Ministry Use Only**  
 Audit No.: Z171379  
 MAY 18 2016

## 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](#).

[Go Back to Map](#)

## Well ID

Well ID Number: 7285368  
 Well Audit Number: Z237286  
 Well Tag Number: A207744

*This table contains information from the original well record and any subsequent updates.*

## Well Location

<b>Address of Well Location</b>	126 BURKE STREET
<b>Township</b>	GOULBOURN TOWNSHIP
<b>Lot</b>	
<b>Concession</b>	
<b>County/District/Municipality</b>	OTTAWA-CARLETON
<b>City/Town/Village</b>	RICHMOND
<b>Province</b>	ON
<b>Postal Code</b>	n/a
<b>UTM Coordinates</b>	NAD83 — Zone 18 Easting: 434431.00 Northing: 5003742.00
<b>Municipal Plan and Sublot Number</b>	
<b>Other</b>	

## Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
GREY	CLAY LMSN	SNDY	GRVL	0 ft 12 ft	12 ft 100 ft

## Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed
20 ft	0 ft	NEAT CEMENT SLURRY	12.48

## Method of Construction & Well Use

Method of Construction	Well Use
Air Percussion	Domestic

## Status of Well

Water Supply

## Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
6.25 inch	STEEL	-2 ft	20 ft
5.9375 inch	OPEN HOLE	20 ft	100 ft

## Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To
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# Well Contractor and Well Technician Information

Well Contractor's Licence Number: 1119

## Results of Well Yield Testing

After test of well yield, water was

If pumping discontinued, give reason

Pump intake set at	80 ft
Pumping Rate	20 GPM
Duration of Pumping	1 h:0 m
Final water level	19.333 ft

If flowing give rate

Recommended pump depth	80 ft
Recommended pump rate	20 GPM

Well Production

Disinfected?	Y
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## Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL	8.583 ft		
1	14.8 ft	1	10 ft
2	16.3 ft	2	8.7 ft
3	17 ft	3	8.7 ft
4	17.3 ft	4	8.7 ft
5	17.6 ft	5	8.7 ft
10	18 ft	10	8.7 ft
15	18.3 ft	15	8.7 ft
20	18.5 ft	20	8.7 ft
25	18.7 ft	25	8.7 ft
30	18.8 ft	30	8.7 ft
40	19 ft	40	8.7 ft
45		45	
50	19.2 ft	50	8.7 ft
60	19.4 ft	60	8.7 ft

## Water Details

Water Found at Depth	Kind
38 ft	Untested
78 ft	Untested
94 ft	Untested

## Hole Diameter

Depth From	Depth To	Diameter
0 ft	20 ft	9.75 inch
20 ft	100 ft	5.9375 inch

Audit Number: Z237286

Date Well Completed: January 26, 2017

Date Well Record Received by MOE: April 18, 2017

Updated: January 24, 2020

## 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](#).

[Go Back to Map](#)

## Well ID

Well ID Number: 7322061  
 Well Audit Number: Z292431  
 Well Tag Number: A236912

*This table contains information from the original well record and any subsequent updates.*

## Well Location

<b>Address of Well Location</b>	116 QUEEN CHARLOTTE STREET
<b>Township</b>	GOULBOURN TOWNSHIP
<b>Lot</b>	
<b>Concession</b>	CON 03
<b>County/District/Municipality</b>	OTTAWA-CARLETON
<b>City/Town/Village</b>	RICHMOND
<b>Province</b>	ON
<b>Postal Code</b>	n/a
<b>UTM Coordinates</b>	NAD83 — Zone 18 Easting: 434425.00 Northing: 5003382.00
<b>Municipal Plan and Sublot Number</b>	
<b>Other</b>	

## Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
BRWN	CLAY	STNS	PCKD	0 ft	15.5 ft
GREY	LMSN		HARD	15.5 ft	101 ft

## Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed
10.5 ft	0 ft	BENTONITE PRESSURE GROUTED	
20.5 ft	10.5 ft	CEMENT PRESSURE GROUTED	

## Method of Construction & Well Use

Method of Construction	Well Use
Rotary (Convent.)	
AIR PERCUSSION	Domestic

## Status of Well

Water Supply

## Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
6.25 inch	STEEL	-1.5 ft	20.5 ft
6.0625 inch	OPEN HOLE	20.5 ft	101 ft

## Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To
------------------	----------	------------	----------

# Well Contractor and Well Technician Information

Well Contractor's Licence Number: 4877

## Results of Well Yield Testing

After test of well yield, water was	CLEAR
<b>If pumping discontinued, give reason</b>	
Pump intake set at	80 ft
Pumping Rate	20 GPM
Duration of Pumping	1 h:0 m
Final water level	15.15 ft
<b>If flowing give rate</b>	
Recommended pump depth	80 ft
Recommended pump rate	10 GPM
<b>Well Production</b>	
Disinfected?	Y

## Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL	11.45 ft		
1	13.9 ft	1	12.3 ft
2	14.2 ft	2	12.25 ft
3	14.3 ft	3	12.25 ft
4	14.45 ft	4	12.15 ft
5	14.45 ft	5	12.1 ft
10	14.6 ft	10	12 ft
15	14.7 ft	15	11.95 ft
20	14.8 ft	20	11.9 ft
25	14.9 ft	25	11.85 ft
30	15 ft	30	11.8 ft
40	15.05 ft	40	11.75 ft
45		45	
50	15.1 ft	50	11.7 ft
60	15.15 ft	60	11.65 ft

## Water Details

Water Found at Depth	Kind
78 ft	Untested
92 ft	

## Hole Diameter

Depth From	Depth To	Diameter
0 ft	20.5 ft	9.875 inch
20.5 ft	101 ft	6.0625 inch

Audit Number: Z292431

Date Well Completed: October 02, 2018

Date Well Record Received by MOE: November 13, 2018

Updated: January 24, 2020

## 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](#).

[Go Back to Map](#)

## Well ID

Well ID Number: 1509173

Well Audit Number:

Well Tag Number:

*This table contains information from the original well record and any subsequent updates.*

## Well Location

### Address of Well Location

**Township** RICHMOND VILLAGE

**Lot**

**Concession**

**County/District/Municipality** OTTAWA-CARLETON

**City/Town/Village**

**Province** ON

**Postal Code** n/a

**UTM Coordinates**  
NAD83 — Zone 18  
Easting: 434200.70  
Northing: 5003092.00

**Municipal Plan and Sublot Number**

**Other**

## Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
GREY	BLDR LMSN	HPAN		0 ft 14 ft	14 ft 104 ft

## Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed
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## Method of Construction & Well Use

**Method of Construction** **Well Use**

Cable Tool

Domestic

## Status of Well

Water Supply

## Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
4 inch	STEEL		17 ft
4 inch	OPEN HOLE		104 ft

## Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To
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# Well Contractor and Well Technician Information

Well Contractor's Licence Number: 4832

## Results of Well Yield Testing

After test of well yield, water was	CLEAR
<hr/>	
If pumping discontinued, give reason	
<hr/>	
Pump intake set at	
<hr/>	
Pumping Rate	4 GPM
<hr/>	
Duration of Pumping	1 h:0 m
<hr/>	
Final water level	38 ft
<hr/>	
If flowing give rate	
<hr/>	
Recommended pump depth	
<hr/>	
Recommended pump rate	
<hr/>	
Well Production	PUMP
<hr/>	
Disinfected?	
<hr/>	

## Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL	22 ft		
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
100 ft	Fresh

## Hole Diameter

Depth From	Depth To	Diameter
------------	----------	----------

**Audit Number:**

**Date Well Completed:** June 11, 1958

**Date Well Record Received by MOE:** August 05, 1958

Updated: January 24, 2020

**Estimated Groundwater Inflow**

**Caivan (Richmond North) Communities - Laffin Lands - Servicing Excavation**

Dupuit-Forchheimer Equation

$$Q = \pi K ((h_0^2 - h_p^2) / \ln(R/r))$$

K (m/sec) = 1.00E-05  
 h0 (m) = 25  
 hp (m) = 24.5  
 r (m) = 9.55

Equivalent Radius of Excavation = A+B=Pi\*r  
 Excavation Width (A) = 5 m  
 Excavation Length (B) = 25 m  
 Perimeter Length = 60 m  
 Equivalent Radius (r) = 9.55 m

R	Distance to edge of excavation
9.55	0.00
10.55	1.00
11.55	2.00
12.55	3.00
13.55	4.00
<b>14.55</b>	<b>5.00</b>
15.55	6.00
16.55	7.00
17.55	8.00
18.55	9.00
19.55	10.00
20.55	11.00
21.55	12.00
22.55	13.00
23.55	14.00
24.55	15.00
25.55	16.00
26.55	17.00
27.55	18.00
28.55	19.00
29.55	20.00
30.55	21.00
31.55	22.00
32.55	23.00
33.55	24.00
34.55	25.00
35.55	26.00
36.55	27.00
37.55	28.00
38.55	29.00

Q (m^3/s)	Q (m^3/day)	Q (L/day)
#DIV/0!	#DIV/0!	#DIV/0!
0.0078	675	674,552
0.0041	353	353,286
0.0028	246	245,902
0.0022	192	192,015
<b>0.0018</b>	<b>160</b>	<b>159,544</b>
0.0016	138	137,791
0.0014	122	122,173
0.0013	110	110,394
0.0012	101	101,180
0.0011	94	93,765
0.0010	88	87,661
0.0010	83	82,543
0.0009	78	78,185
0.0009	74	74,427
0.0008	71	71,149
0.0008	68	68,262
0.0008	66	65,699
0.0007	63	63,407
0.0007	61	61,342
0.0007	59	59,473
0.0007	58	57,770
0.0007	56	56,213
0.0006	55	54,783
0.0006	53	53,464
0.0006	52	52,243
0.0006	51	51,109
0.0006	50	50,052
0.0006	49	49,065
0.0006	48	48,141

**Estimated Groundwater Inflow**

**Caivan (Richmond North) Communities - Laffin Lands - Servicing Excavation**

Dupuit-Forchheimer Equation

$$Q = \pi K ((h_0^2 - h_p^2) / \ln(R/r))$$

K (m/sec) = 1.00E-05  
 h0 (m) = 25  
 hp (m) = 23.5  
 r (m) = 9.55

Equivalent Radius of Excavation = A+B=Pi\*r

Excavation Width (X) = 5 m  
 Excavation Length (Y) = 25 m  
 Perimeter Length = 60 m  
 Equivalent Radius (r) = 9.55 m

R	Distance to edge of excavation
9.55	0.00
11.55	2.00
13.55	4.00
15.55	6.00
17.55	8.00
19.55	10.00
21.55	12.00
<b>23.55</b>	<b>14.00</b>
25.55	16.00
27.55	18.00
29.55	20.00
31.55	22.00
33.55	24.00
35.55	26.00
37.55	28.00
39.55	30.00
41.55	32.00
43.55	34.00
45.55	36.00
47.55	38.00
49.55	40.00
51.55	42.00
53.55	44.00

Q (m^3/s)	Q (m^3/day)	Q (L/day)
#DIV/0!	#DIV/0!	#DIV/0!
0.0120	1,038	1,038,447
0.0065	564	564,408
0.0047	405	405,023
0.0038	324	324,491
0.0032	276	275,612
0.0028	243	242,627
<b>0.0025</b>	<b>219</b>	<b>218,770</b>
0.0023	201	200,650
0.0022	186	186,377
0.0020	175	174,813
0.0019	165	165,234
0.0018	157	157,151
0.0017	150	150,228
0.0017	144	144,223
0.0016	139	138,956
0.0016	134	134,294
0.0015	130	130,133
0.0015	126	126,393
0.0014	123	123,010
0.0014	120	119,932
0.0014	117	117,117
0.0013	115	114,532

