

July 10, 2020  
PH4034-LET.01

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Materials Testing  
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**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.

## 1.0 Proposed Development

The proposed residential development will consist of detached residential homes 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

The field program for the geotechnical investigation was carried out by others in June 2007. At that time, a total of 3 test pits were completed within the subject site and is a subset of a larger study area. The test pit locations were placed in a manner to provide general coverage of the subject site and advanced to a maximum depth of 2.9 m below

ground surface (bgs). The test hole locations for the geotechnical investigation are presented on Drawing No. 2 - Test Hole Location completed by others and attached to the current report.

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 by DSEL dated June 2020, shows the grade raise within the roadways is anticipated to generally be in the order of 0.5 to 2.0 m with the majority of the grade raise being between 1.0 to 1.5 m.

The proposed servicing is anticipated to extend to 5.1 m below the existing ground surface at MH524A and up to 3.3 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. It is assumed that a maximum servicing depth of 5.1 m bgs would provide a conservative review and should be re-examined should the detailed design differ from this analysis.

It should be noted that servicing in the south eastern portion of the site is not anticipated to be in the water table or in bedrock.

## **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. 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 homes 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 typically consisted of topsoil overlying a compact to dense brown and grey sandy silt layer overlying a glacial till. The glacial till is comprised of a grey sandy silt matrix with varying amounts of gravel and cobbles. Refusal was encountered at all test pit locations on inferred bedrock at depths ranging from 2.0 to 2.9 m bgs.

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

Based on surficial mapping prepared 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.

### **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 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 investigation as well as measured from a standpipe installed at TP07-45. 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 0.5 to 1.7 m bgs following the completion of the geotechnical field investigation. Due to the permeability of the overburden, groundwater levels are also influenced by precipitation events and seasonal variations. Based on our experience in the subject area and studies on adjacent properties, 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 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, typical 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 and glacial till overburden is generally considered to act as an unconfining 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 overlying a glacial till with a sandy silt matrix. Inferred bedrock was encountered underlying the glacial till between 2.0 to 2.9 m bgs. The majority of the expected groundwater infiltration will be encountered within the sandy silt, 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 silty, 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 many water wells 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 to 67 m depth, with the majority of the wells varying between 15 to 25 m depth. 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 of ranging from 3.0 to 5.1 m deep and withdrawing water from the upper 2 to 3.1 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
- $\Delta h = 2$  to 3.1 m, to review potential minimum/maximum variable conditions.

Using the above equation and assumptions, a radius of influence of approximately 0 to 29 m will develop as a steady state condition, extending from the edge of the excavation.

Excavations in the southeast portion of the site are not anticipated to be completed in the groundwater due to their shallow nature, however seasonal variations may cause fluctuations at the time of construction.

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 WWR within 200 m of the subject site have been attached to this report. The proposed lots subject to the well sampling program have

all been screened in bedrock and range between 13 and 40 m depth. The proposed lots have also been illustrated in Figure 1 - Proposed Baseline Sampling Review Area attached to the current report. The parameters that will be analysed as part of the sampling program will consist of the "Subdivision Water Quality Package" offered by Parcel 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.

Details regarding the sampling program and residential well survey letter will be discussed with the City of Ottawa prior to commencing construction on site.

### **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 considered a highly vulnerable aquifer, 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, *Management of Excess Soil - A Guide for Best Management Practices* dated January, 2014.

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 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 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.

## 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:

- ❑ Should there be any existing wells 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 5.1 m below existing ground surface with the minimum excavation depth around 3.0 m.
- ❑ A baseline water sampling program is recommended prior to commencing construction on site. Based on the proximity of existing wells and groundwater flow direction, it is recommended that a representative selection of nearby residential water wells, be subject to sampling.
- ❑ 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.
- ❑ 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, dependant 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 - Proposed Baseline Sampling Review Area
- Figure 2 - WHPA Plan
- Test Pit Records (by Others)
- Drawing PH4034-1 - Site Plan
- Drawing PH4034-2 - MECP Well Location Plan
- Drawing No. 2 - Test Hole Location (by Others)
- MECP WWR (within 200 m of subject site)
- 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 1

Proposed Baseline Sampling Review Area



## FIGURE 2

WHPA Map



# TEST PIT RECORD

## TP07-41

CLIENT Mattamy Homes BOREHOLE No. TP07-41  
 LOCATION Proposed Subdivision, Richmond, ON PROJECT No. 1026929  
 DATES: BORING June 15, 2007 WATER LEVEL \_\_\_\_\_ DATUM Local

DEPTH (m)	ELEVATION (m)	SOIL DESCRIPTION	STRATA PLOT	WATER LEVEL	SAMPLES				UNDRAINED SHEAR STRENGTH - kPa															
					TYPE	NUMBER	RECOVERY (mm)	N-VALUE OR RQD	WATER CONTENT & ATTERBERG LIMITS DYNAMIC PENETRATION TEST, BLOWS/0.3m STANDARD PENETRATION TEST, BLOWS/0.3m															
					  * $W_p$ $W$ $W_L$ * $\bullet$																			
0	99.77																							
	99.6	200 mm TOPSOIL																						
		Compact to dense, grey and brown SANDY SILT (ML)		  																				
			BS		1																			
1			BS		2																			
	98.0	Dense, grey sandy silt, trace gravel, occasional cobbles: TILL (ML)		  																				
2	97.6		BS		4																			
		End of Borehole Refusal on Inferred Bedrock																						
3																								
4																								
5																								
6																								

JWL-OLD 1026929.GPJ SMART.GDT 07/06/21

Inferred Groundwater Level  
 Groundwater Level Measured in Standpipe

Field Vane Test, kPa  
 Remoulded Vane Test, kPa    App'd \_\_\_\_\_  
 Pocket Penetrometer Test, kPa    Date \_\_\_\_\_

CLIENT Mattamy Homes

 BOREHOLE No. TP07-45

 LOCATION Proposed Subdivision, Richmond, ON

 PROJECT No. 1026929

 DATES: BORING June 15, 2007

 WATER LEVEL June 20, 2007

 DATUM Local

DEPTH (m)	ELEVATION (m)	SOIL DESCRIPTION	STRATA PLOT	WATER LEVEL	SAMPLES				UNDRAINED SHEAR STRENGTH - kPa													
					TYPE	NUMBER	RECOVERY (mm)	N-VALUE OR RQD	WATER CONTENT & ATTERBERG LIMITS													
					DYNAMIC PENETRATION TEST, BLOWS/0.3m * STANDARD PENETRATION TEST, BLOWS/0.3m •																	
0	100.19																					
	100.0	200 mm TOPSOIL																				
		Compact to dense, brown to grey SANDY SILT (ML)			BS	1																
1																						
					BS	2																
	98.3				BS	3																
2		Dense, grey sandy silt, trace gravel, occasional cobbles: TILL (ML)																				
	97.3				BS	4																
3		End of Borehole																				
		Refusal on Inferred Bedrock																				
		Standpipe Installed																				
4																						
5																						
6																						
▽ Inferred Groundwater Level ▼ Groundwater Level Measured in Standpipe					□ Field Vane Test, kPa □ Remoulded Vane Test, kPa App'd _____ △ Pocket Penetrometer Test, kPa Date _____																	



# TEST PIT RECORD

TP07-49

CLIENT Mattamy Homes BOREHOLE No. TP07-49  
 LOCATION Proposed Subdivision, Richmond, ON PROJECT No. 1026929  
 DATES: BORING June 14, 2007 WATER LEVEL \_\_\_\_\_ DATUM Local

DEPTH (m)	ELEVATION (m)	SOIL DESCRIPTION	STRATA PLOT	WATER LEVEL	SAMPLES				UNDRAINED SHEAR STRENGTH - kPa													
					TYPE	NUMBER	RECOVERY (mm)	N-VALUE OR QD	WATER CONTENT & ATTERBERG LIMITS													
					50      100      150      200 Wp    W    W <sub>L</sub> * DYNAMIC PENETRATION TEST, BLOWS/0.3m STANDARD PENETRATION TEST, BLOWS/0.3m ●																	
					10	20	30	40	50	60	70	80	90									
0	100.67	230 mm TOPSOIL																				
	100.4	Compact to dense, brown and grey SANDY SILT (ML)			BS	1																
1					BS	2																
2	98.7				BS	3																
		End of Borehole Refusal on Inferred Bedrock																				
3																						
4																						
5																						
6																						

JWL-OLD 1026929.GPJ SMART.GDT 07/06/21

Inferred Groundwater Level  
 Groundwater Level Measured in Standpipe

Field Vane Test, kPa  
 Remoulded Vane Test, kPa    App'd \_\_\_\_\_  
 Pocket Penetrometer Test, kPa    Date \_\_\_\_\_



**patersongroup**  
consulting engineers

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

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**500 m RADIUS  
BUFFER ZONE**

**LEGEND:**  
 ● MECP WELL LOCATIONS

**patersongroup**  
 consulting engineers

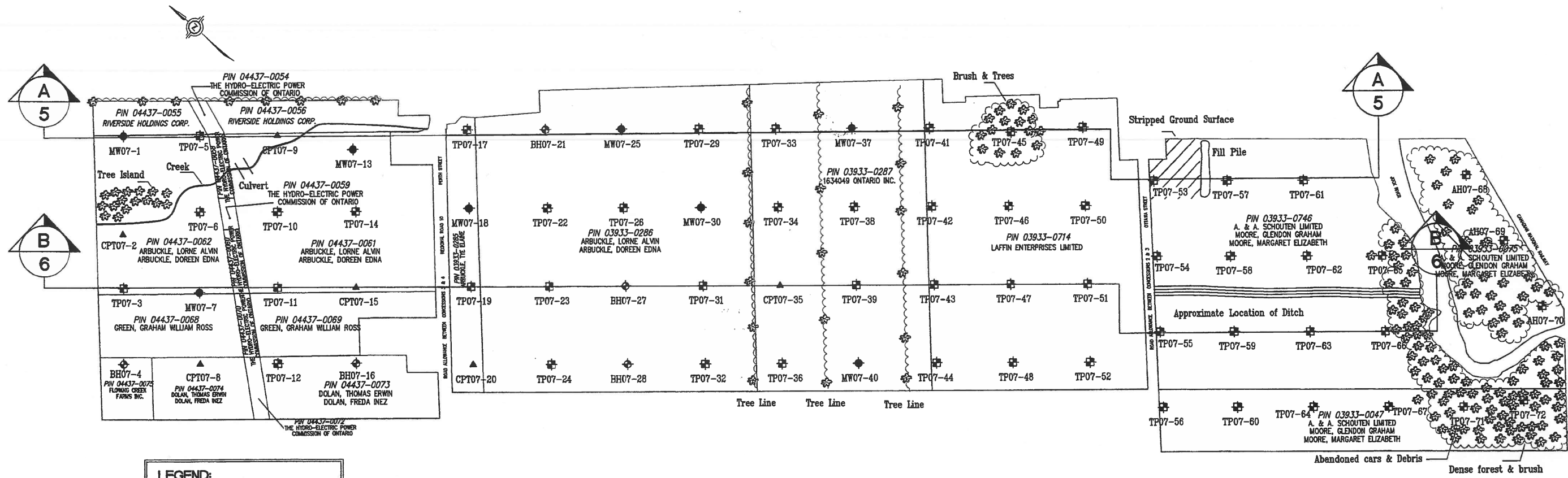
154 Colonnade Road South  
 Ottawa, Ontario K2E 7J5  
 Tel: (613) 226-7381 Fax: (613) 226-6344

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:**

—	PROPERTY BOUNDARY
▲	SCPTu HOLE
⊕	BOREHOLE
●	MONITORING WELL
⊠	TEST PIT
△	BENCHMARK
BM	ASSUMED EL. -100.00 m
—	TREELINE
—	BUSH/VEGETATION

NOTE: THIS DRAWING ILLUSTRATES SUPPORTING INFORMATION SPECIFIC TO A JACQUES WHITFORD LIMITED REPORT AND MUST NOT BE USED FOR OTHER PURPOSES.

<b>Reference:</b> Baseline Provided by J.D. Barnes Ltd. Dwg. No. 07-10-724-00 Date: April 21, 2007	<b>Job No.:</b> 1026929	<b>Client:</b> MATTAMY HOMES	<b>GEOTECHNICAL INVESTIGATION FOR RESIDENTIAL SUBDIVISION</b>	<b>TEST HOLE LOCATION</b>	<b>Dwg. No.:</b> 2	
	<b>Scale:</b> 1 : 8000					
	<b>Date:</b> 07/06/22					
	<b>Dwn. By:</b> EAG					
<b>App'd By:</b>						

**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  Domestic  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**

Public  Commercial  Not used

Domestic  Municipal  Dewatering

Livestock  Test Hole  Monitoring

Irrigation  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)

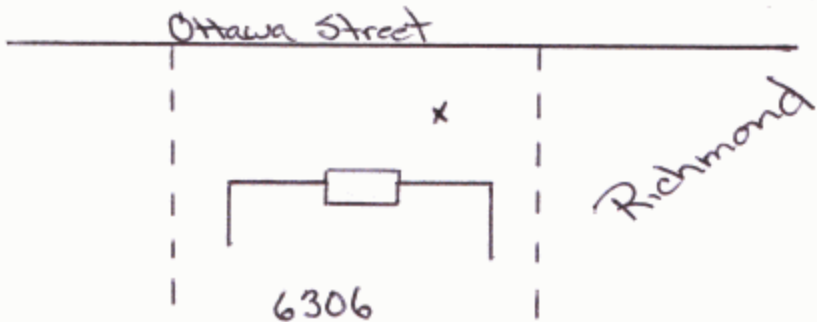
Test Hole  Abandoned, Poor Water Quality  Other, specify \_\_\_\_\_

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"/> Not Tested <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
Metres <input type="checkbox"/> Gas	<input type="checkbox"/> Fresh <input type="checkbox"/> Salty <input type="checkbox"/> Sulphur <input type="checkbox"/> Minerals

**Casing Used**

Galvanized  Galvanized

Steel  Steel

Fibreglass  Fibreglass

Plastic  Plastic

Concrete  Concrete

**Screen Used**

Galvanized  Galvanized

Steel  Steel

Fibreglass  Fibreglass

Plastic  Plastic

Concrete  Concrete

**Casing and Well Details**

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

**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: \_\_\_\_\_

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**

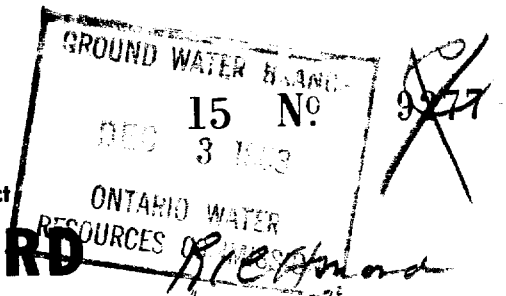
Business Address (Street No./Name, number, RR): **Box 490** Municipality: **Stittsville**

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**

319/4f. "A"



UTM 11 82 434320 E

5R 5003160 N

The Ontario Water Resources Commission Act

Elev. 4R 03110

# WATER WELL RECORD

Basin 25  
County or District Carl

Township Richmond Village, Town or City Southwindsor

Con HT Lot     

Date completed 23 Oct 63  
(day month year)

Address Richmond Out

### 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

#### Overburden and Bedrock Record

gravel & boulders  
blue limestone

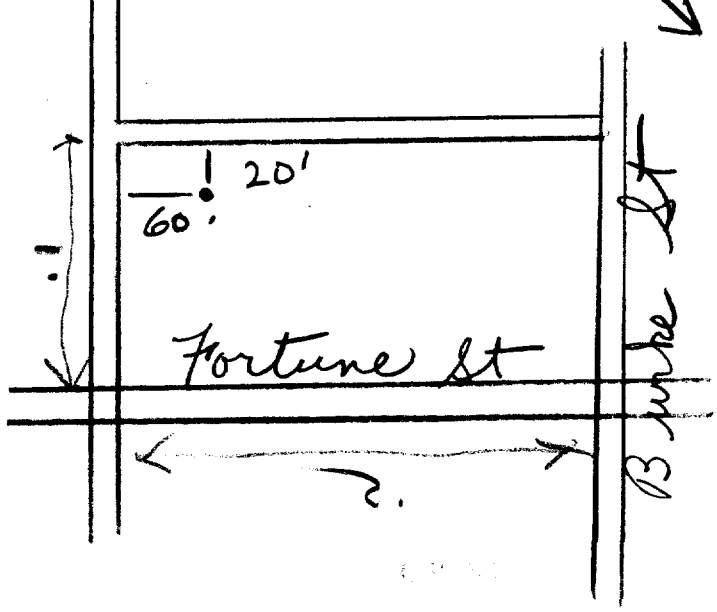
### Water Record

From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
<u>0</u>	<u>19</u>	<u>40</u>	<u>fresh</u>
<u>19</u>	<u>58</u>	<u>57</u>	<u>"</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  
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)

### 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? 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

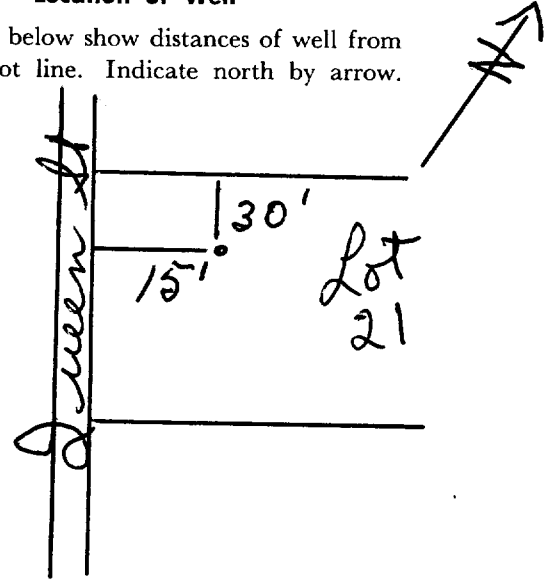
Address .....

Date 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

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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

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"

### Pumping Test

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

#### 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	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

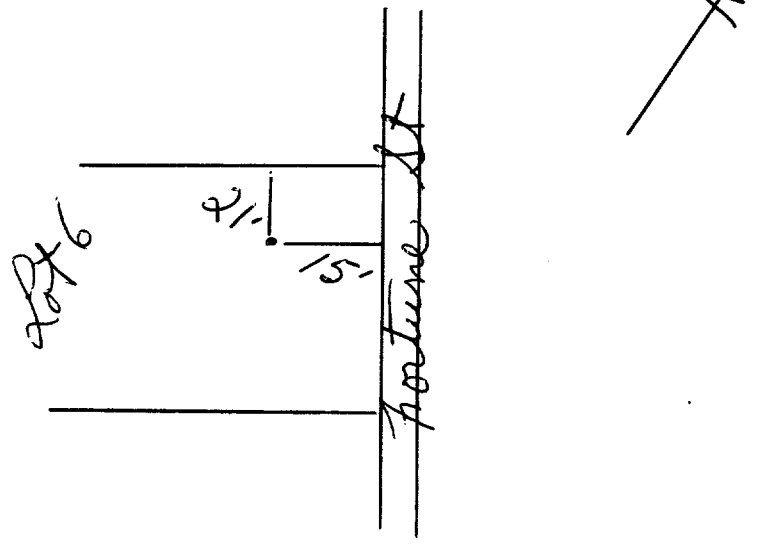
Address

Date Nov 1968

Walter Lavaragh  
(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. 111 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

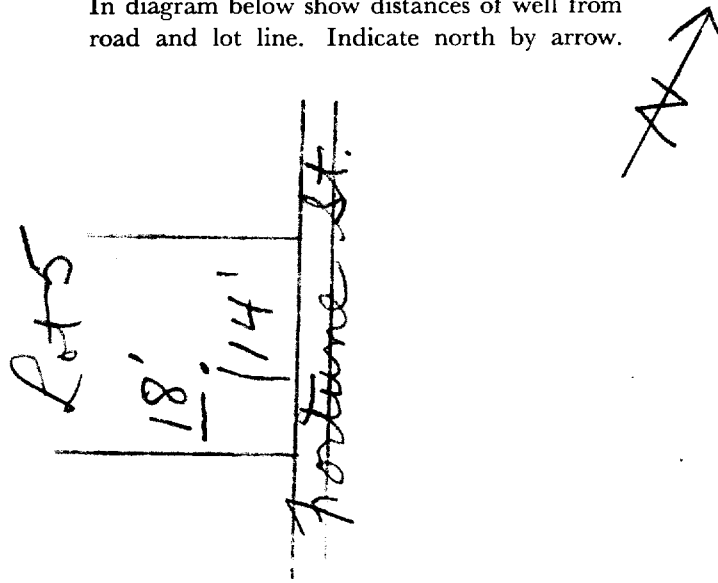
#### Overburden and Bedrock Record

	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

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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

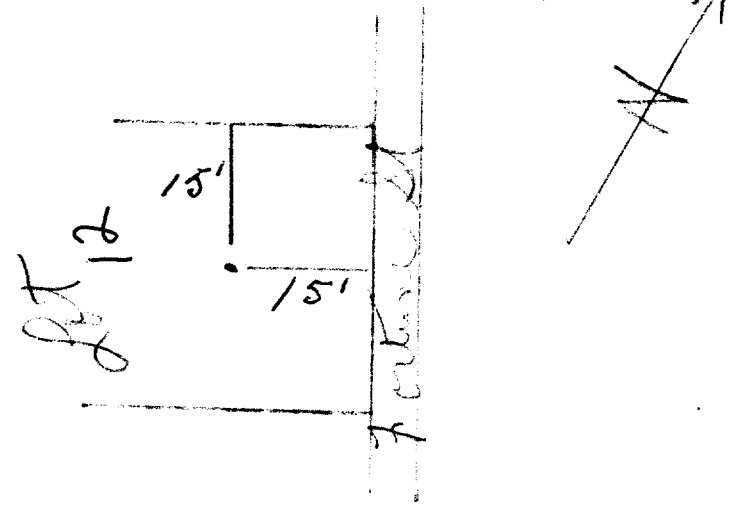
## Water Record

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)

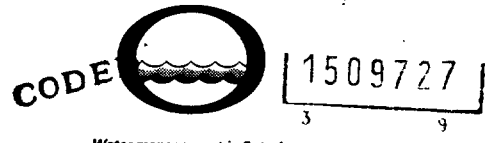
## Location of Well

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>  
 Div. 4-8312  
 sin 25<sup>T</sup>



1509727

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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

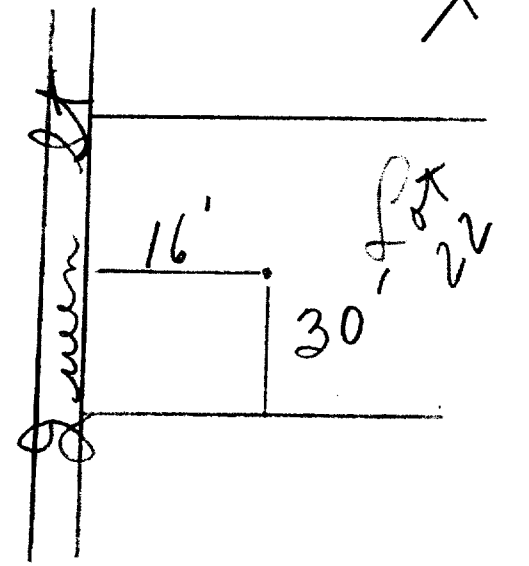
Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
<u>sandy clay</u>	<u>0'</u>	<u>6'</u>	<u>62</u>	<u>fresh</u>
<u>limestone</u>	<u>6</u>	<u>63</u>		

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

COEED



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

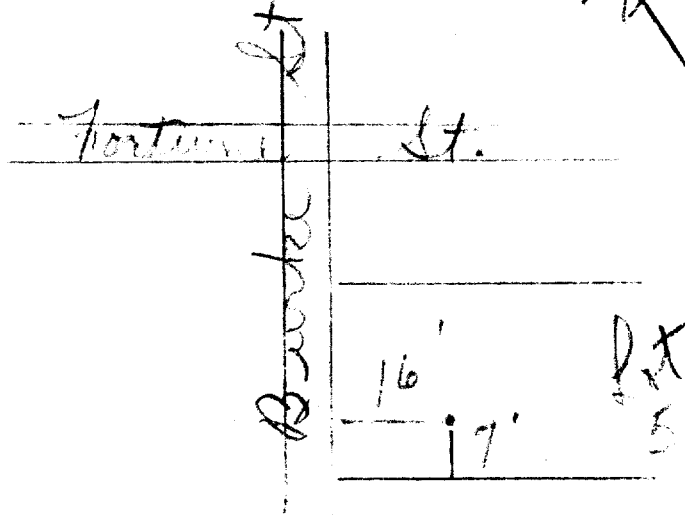
Address .....

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. 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 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)
<u>hardpan &amp; boulders</u>	<u>0</u>	<u>9'</u>	<u>58'</u>	<u>fresh</u>
<u>limestone</u>	<u>9'</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?  
in valley

Drilling or Boring Firm Capital Water Supply Ltd.

Address 14 Ashford Dr  
Ottawa 6

Licence Number 2857

Name of Driller or Borer B Acres

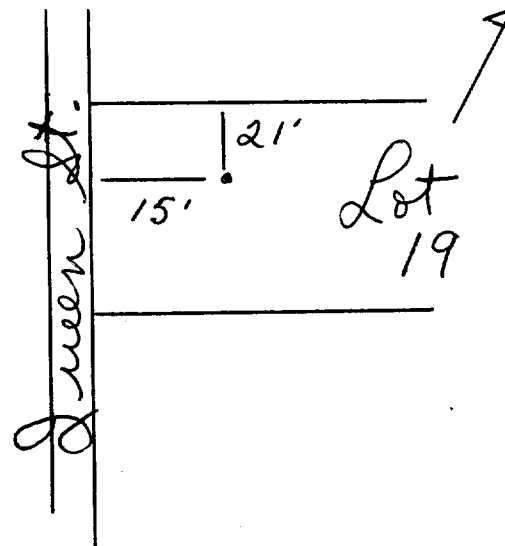
Address .....

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.



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

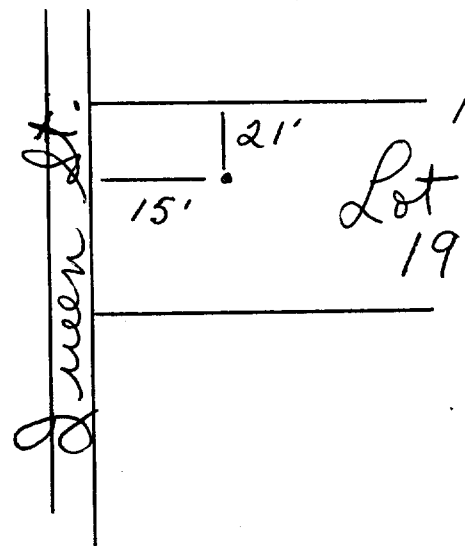
Address

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.



JTM 18-434380 CODED  
 4-52033601



1509737

B

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

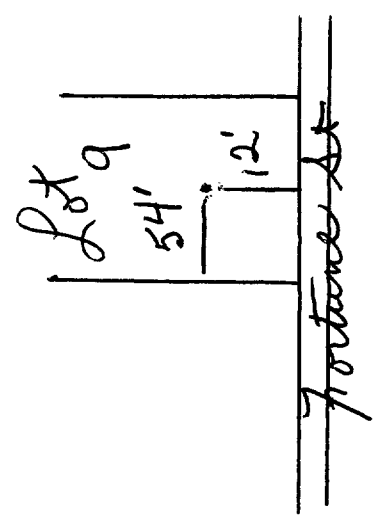
### Water Record

Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
<u>sand clay</u>	<u>0</u>	<u>14</u>	<u>58</u>	<u>fresh</u>
<u>hardpan &amp; boulders</u>	<u>14'</u>	<u>17'</u>		
<u>limestone</u>	<u>17</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 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

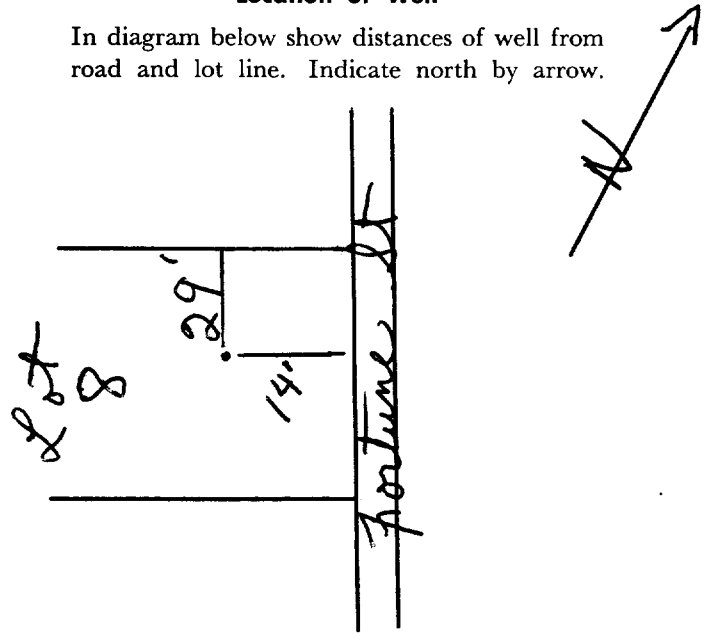
### Water Record

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.

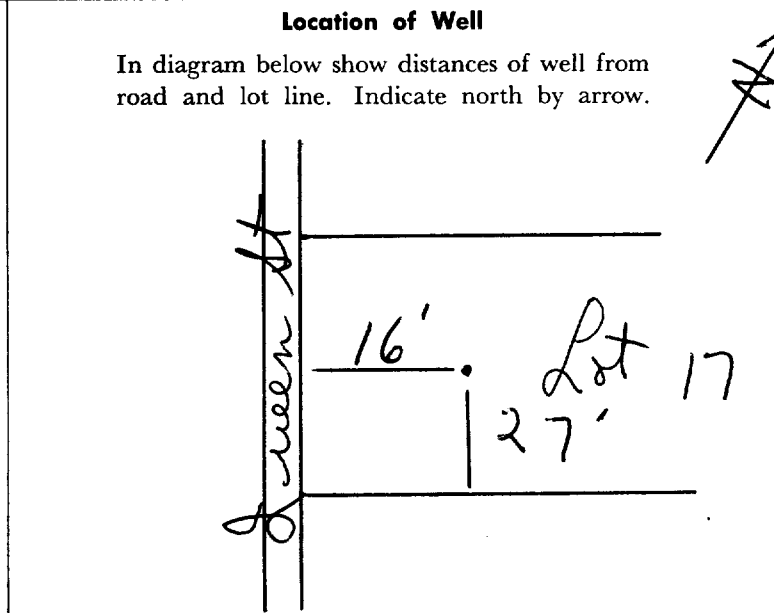
Address 14 Ashford Dr  
Ottawa 6

Licence Number 2857

Name of Driller or Borer M. Kavanagh

Address \_\_\_\_\_

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



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.

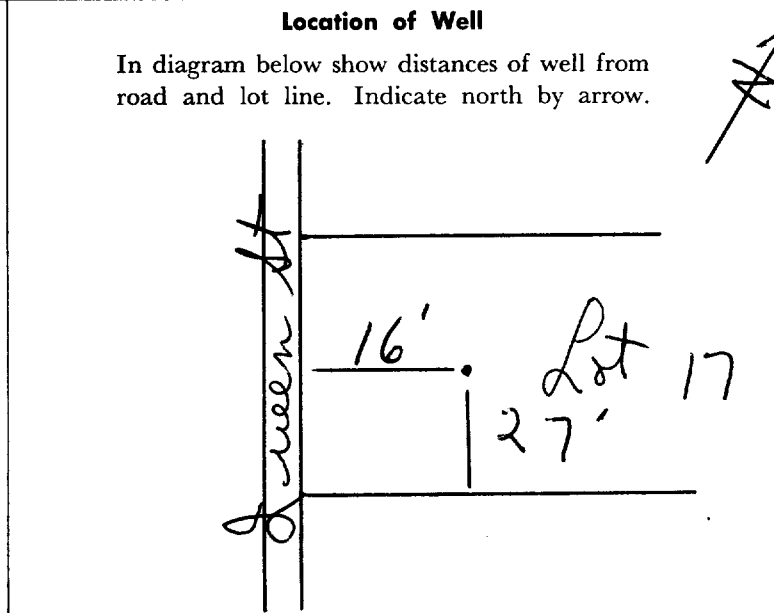
Address 14 Ashford Dr  
Ottawa 6

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

CODFD



1509978

Water management in Ontario

The Ontario Water Resources Commission Act

4 57003245

4 0311

# WATER WELL RECORD

County or District 25 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

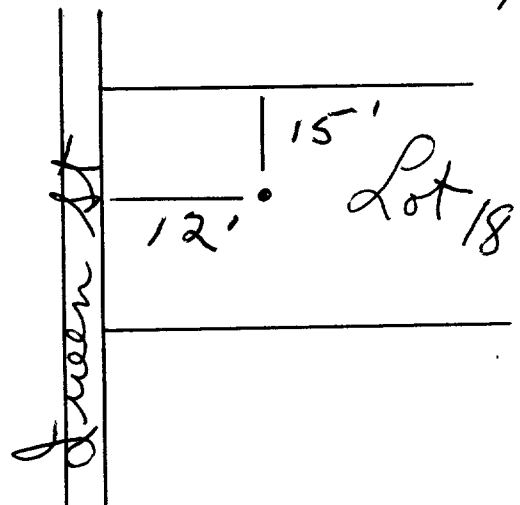
Address .....

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.



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 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

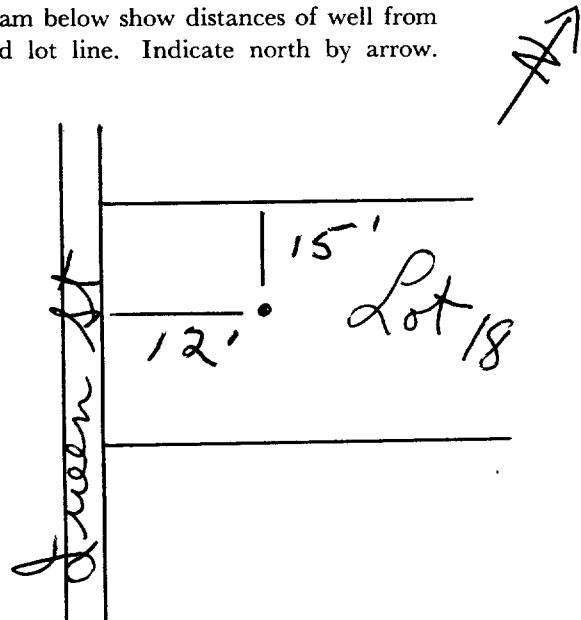
### Water Record

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

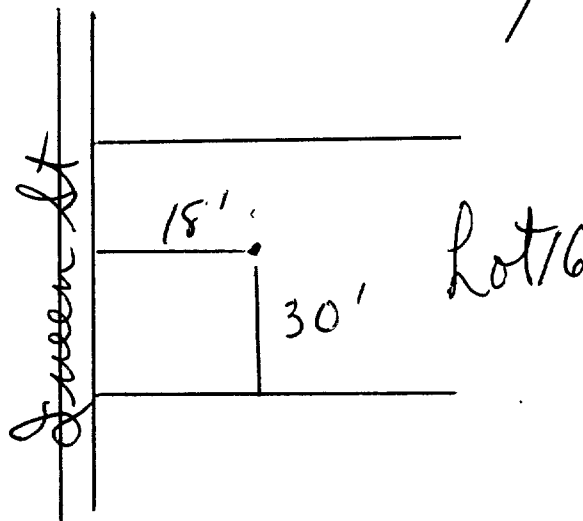
Address

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.





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

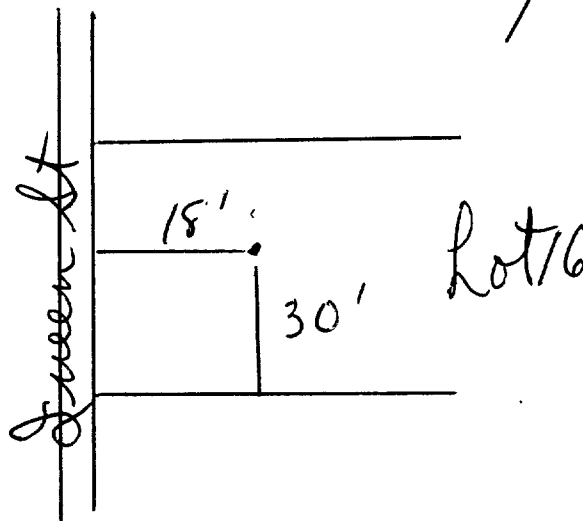
Address

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

DIVISION OF WATER RESOURCES

The Ontario Water Resources Commission Act

APR 2 1969

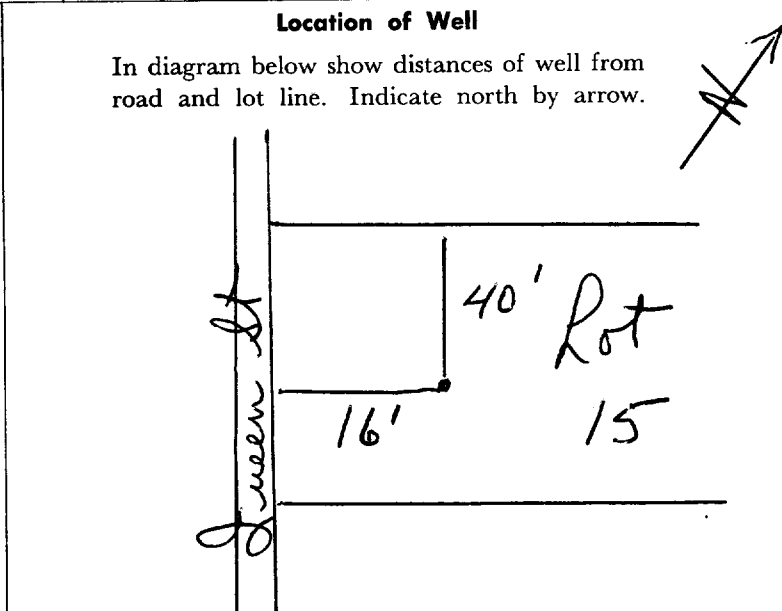
# WATER WELL RECORD

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	<u>5"</u>	Static level	<u>10'</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 + boulders</u>	<u>0'</u>	<u>9'</u>	<u>58'</u>	<u>fresh</u>
<u>limestone</u>	<u>9</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 2557  
 Name of Driller or Borer M Kavanagh  
 Address \_\_\_\_\_  
 Date Jan 8 1969  
Walter Kavanagh  
 (Signature of Licensed Drilling or Boring Contractor)



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



DIVISION OF  
 WATER RESOURCES  
 APR 2 1969

The Ontario Water Resources Commission Act

# 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 <u>5"</u>	Static level <u>10'</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 + boulders</u>	<u>0'</u>	<u>9'</u>	<u>58'</u>	<u>fresh</u>
<u>limestone</u>	<u>9</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.

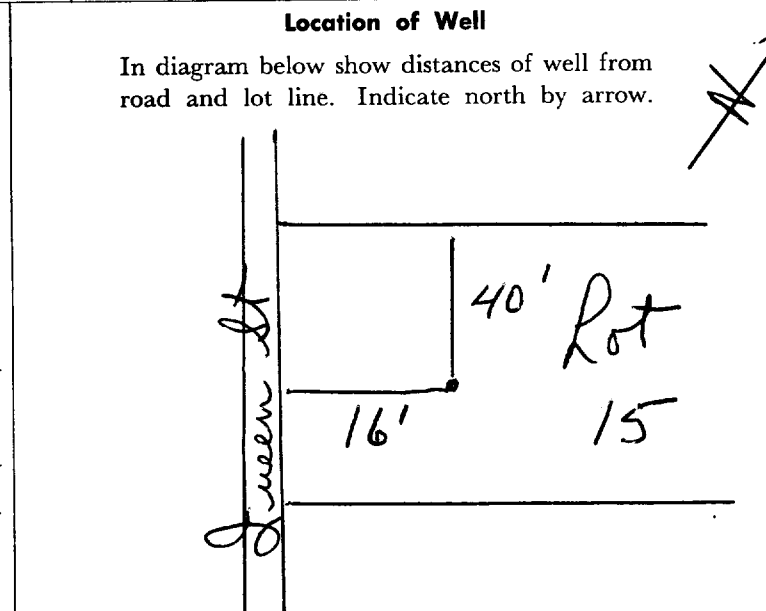
Address 14 Ashford Dr Ottawa 6

Licence Number 2557

Name of Driller or Borer M Kavanagh

Address Jan 8 1969

Date 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

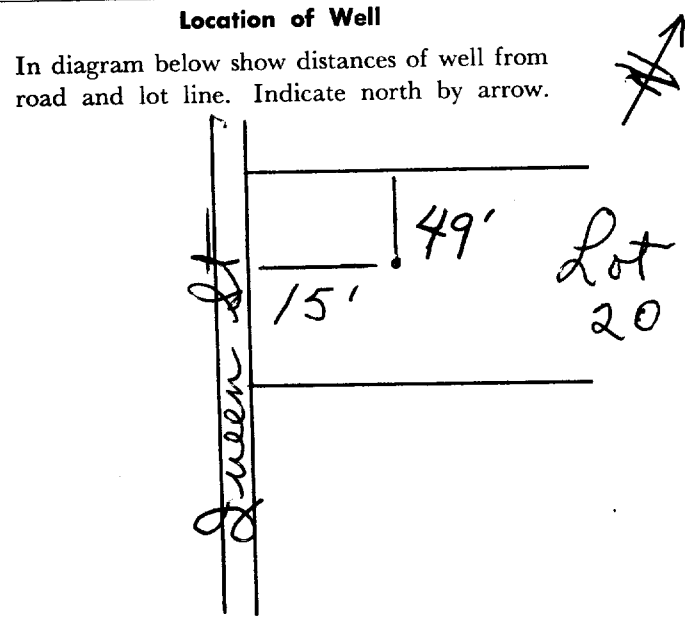
257  
County or District Carleton Township, Village, Town or City Richmond  
Con. 11 Lot 23 Date completed 11 Jan 1969  
(day (month year)  
Owner Julia Constr Ltd. Address Richmond Ont.  
(print in block letters)

**Casing and Screen Record**  
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 8  
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	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 K  
Licence Number 2857  
Name of Driller or Borer Barry Acres  
Address  
Date 11 Jan 1969  
Halter Kavanaugh  
(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

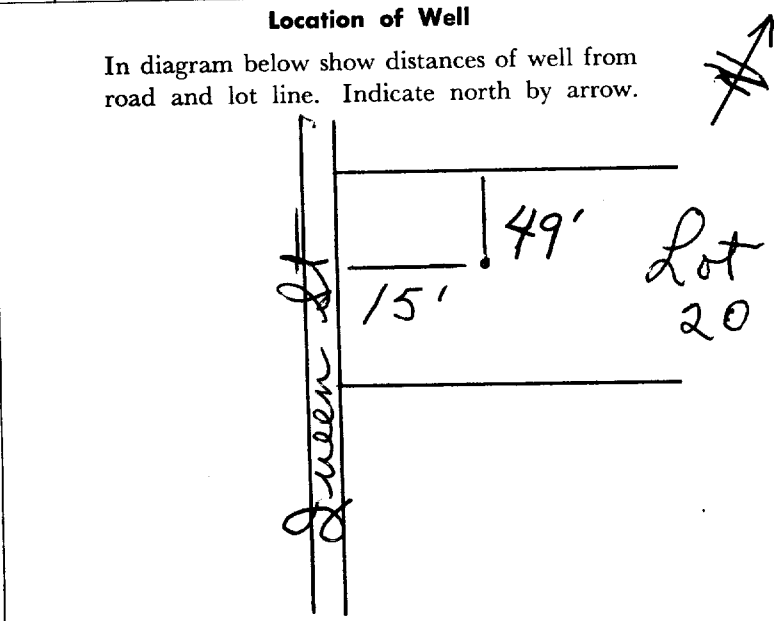
257  
County or District Carleton Township, Village, Town or City Richmond  
Con. 11 Lot 23 Date completed 11 Jan 1969  
(day (month year)  
Owner Julia Constr Ltd. Address Richmond Ont.  
(print in block letters)

**Casing and Screen Record**  
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 8  
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	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 K  
Licence Number 2857  
Name of Driller or Borer Barry Acres  
Address  
Date 11 Jan 1969  
Halter Lavanagh  
(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

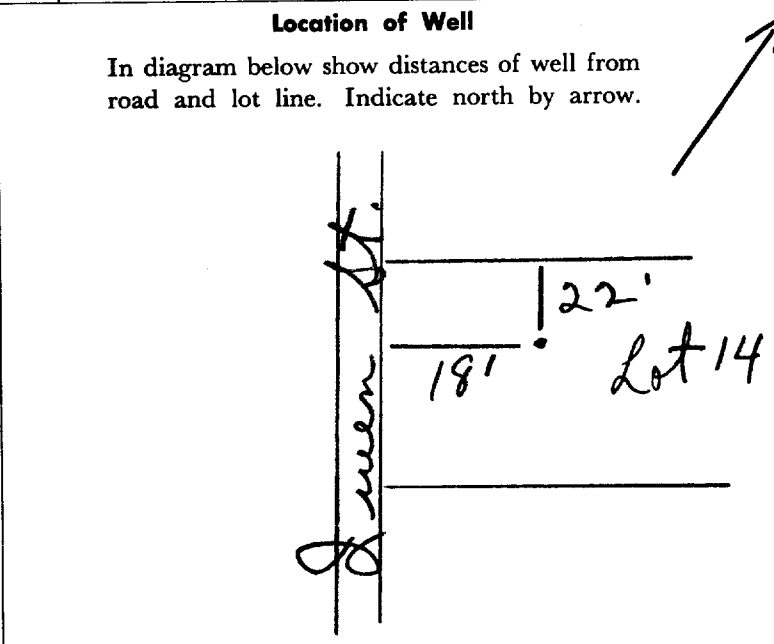
Licence Number 3216

Name of Driller or Borer H Mains

Address

Date Jan 16 1969

Maister Kavanagh  
 (Signature of Licensed Drilling or Boring Contractor)



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

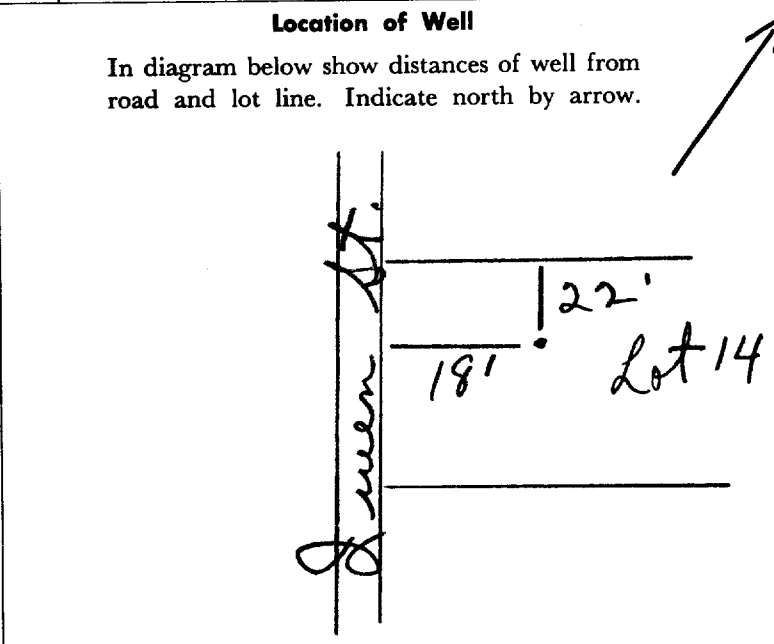
Licence Number 3216

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

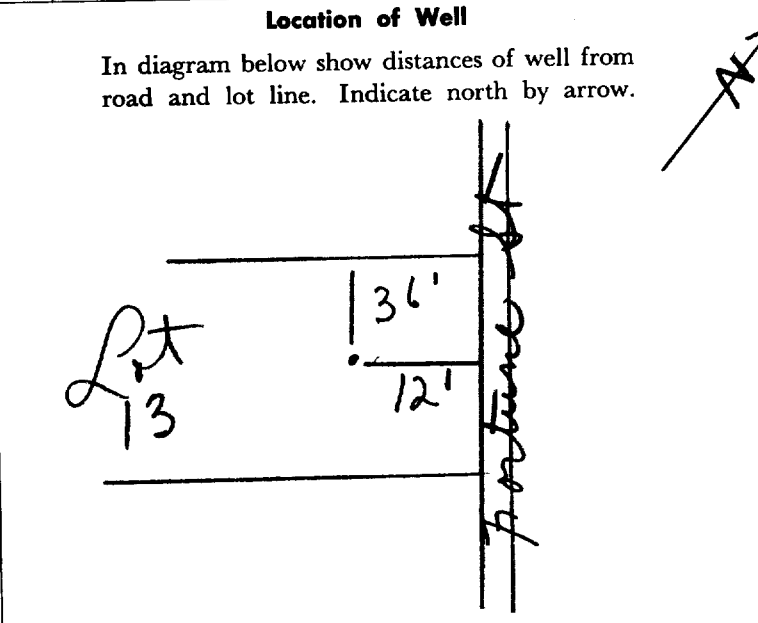
County or District 25<sup>th</sup> Carleton Township, Village, Town or City Richmond  
 Date completed 14 Jan 1969  
 (day) (month) (year)  
 Address 3716 Richmond Rd.

**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

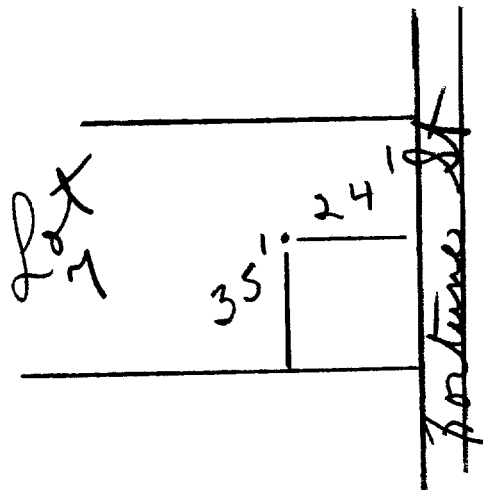
Date

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

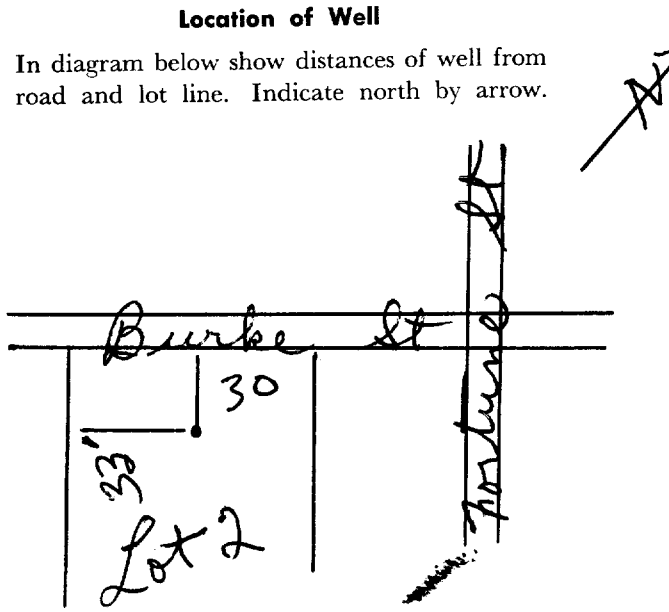
County or District Carl Township, Village, Town or City Richmond  
Con. TL Lot 23 Date completed 16 May 1969  
(day month year)  
Melrose Ave  
Ottawa

**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**  
Test-pumping rate 20' G.P.M.  
Pumping level 10  
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)





316/4F

1510076-1

1824342310  
47501013380  
5R 013'05  
25

The Ontario Water Resources Commission Act

# WATER WELL RECORD

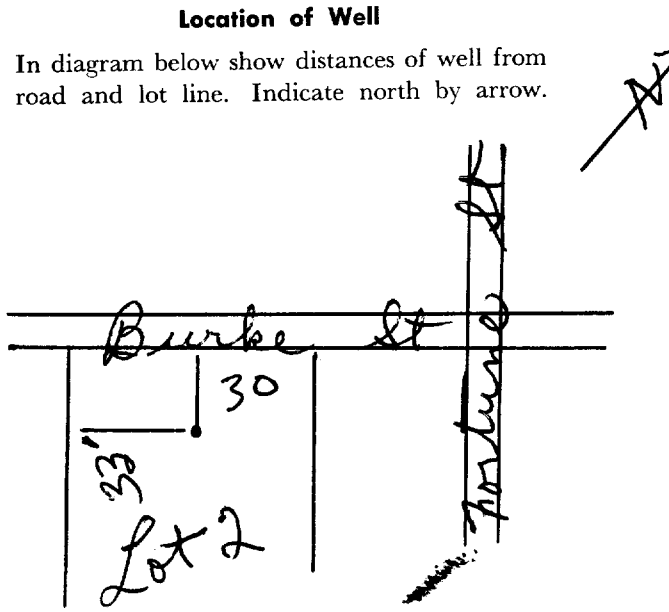
County or District Carl Township, Village, Town or City Richmond  
Con. TL Lot 23 Date completed 16 May 1969  
(day month year)  
Melrose Ave  
Ottawa

**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**  
Test-pumping rate 20' G.P.M.  
Pumping level 10  
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)





316/4F

1510076-1  
3 97

18 4342310  
47 501013380  
5R 01305  
25

The Ontario Water Resources Commission Act

# WATER WELL RECORD

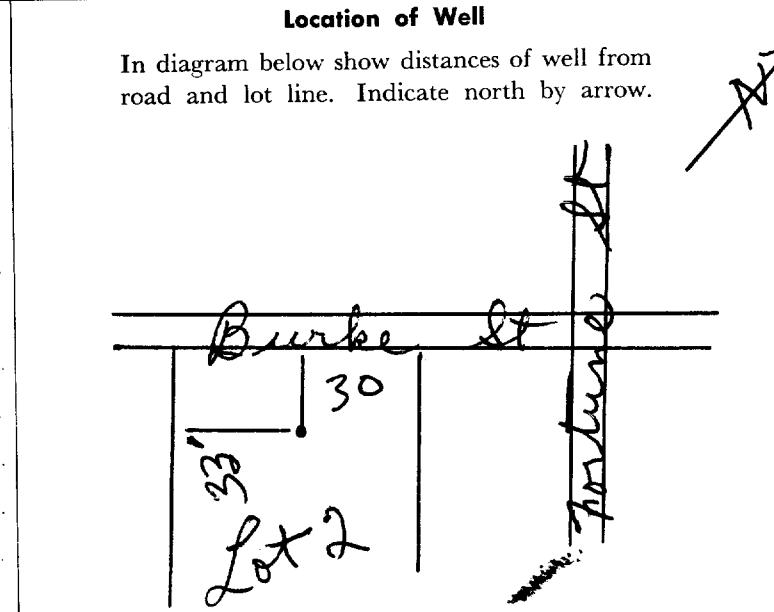
County or District Carl Township, Village, Town or City Richmond  
Con. TL Lot 23 Date completed 16 May 1969  
(day month year)  
Melrose Ave  
Ottawa

**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  
Walter 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 DATE COMPLETED 48-53 DAY 14 MO 07 YR 69

OWNER (SURNAME FIRST) Julia Constr Ltd ADDRESS Richmond Ont. DATE COMPLETED 48-53 DAY 14 MO 07 YR 69

ZONE EASTING NORTHING RC. ELEVATION RC. BASIN CODE  
 U T M 10 18 434475 17 5003200 24 4 0308 25 5 25 30 31

### 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
5" <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>	0	<u>002'6"</u>
5" <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>
	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE			<u>0060</u>

**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  PUMP  BAILER

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

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING			
19-21 <u>005</u> FEET	22-24 <u>010</u> FEET	15 MINUTES 26-28	30 MINUTES 29-31	45 MINUTES 32-34	60 MINUTES 35-37

IF FLOWING, GIVE RATE \_\_\_\_\_ GPM. PUMP INTAKE SET AT \_\_\_\_\_ FEET WATER AT END OF TEST \_\_\_\_\_ FEET

RECOMMENDED PUMP TYPE  SHALLOW  DEEP RECOMMENDED PUMP SETTING 020 FEET RECOMMENDED PUMPING RATE 0005 GPM.

50-53 002.0 GPM./FT. SPECIFIC CAPACITY

**LOCATION OF WELL**

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

15' Lot 3  
15' Parcel 19  
Fortune St.

DRILLERS REMARKS:

**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  
 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 3216  
 ADDRESS 14 Ashford Dr Ottawa  
 NAME OF DRILLER OR BORER J Scott LICENCE NUMBER \_\_\_\_\_  
 SIGNATURE OF CONTRACTOR Walter Lavanagh SUBMISSION DATE \_\_\_\_\_ MO \_\_\_\_\_ YR \_\_\_\_\_

**OFFICE USE ONLY**

DATA SOURCE 1 CONTRACTOR 1503 DATE RECEIVED 301069  
 DATE OF INSPECTION \_\_\_\_\_ INSPECTOR Phillips PIP  
 REMARKS:





# WATER WELL RECORD

Water management in Ontario

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

11

1510290

MUNICIP. 15701

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 Constr Ltd ADDRESS: Richmond Ont. DATE COMPLETED: DAY 17 MO 07 YR 69

21 21 ZONE: U 1 T 1 M 8 EASTING: 434480 NORTHING: 5203230 RC: 4 ELEVATION: 0308 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
<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 32 0081315

#### 41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER			
<u>0080</u>	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
<u>05</u>	1 <input checked="" type="checkbox"/> STEEL	<u>188</u>	<u>0</u>	<u>0022</u>
<u>5</u>	2 <input type="checkbox"/> GALVANIZED		<u>22</u>	<u>81</u>
	3 <input type="checkbox"/> CONCRETE			
	4 <input checked="" type="checkbox"/> OPEN HOLE			

#### SCREEN

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

#### 61 PLUGGING & SEALING RECORD

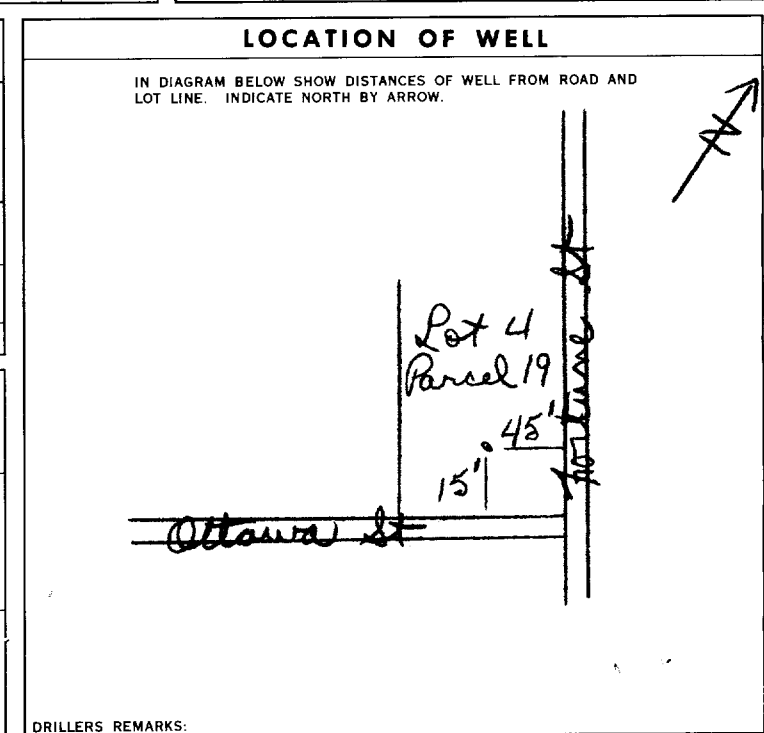
DEPTH SET AT - FEET	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
FROM TO	
10-13	14-17
18-21	22-25
26-29	30-33

#### 71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	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			
<u>003</u> FEET	<u>050</u> FEET	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
		26-28	29-31	32-34	35-37

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



#### 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: Capital Water Supply LICENCE NUMBER: 3216  
 ADDRESS: 14 Ashford Dr Ottawa  
 NAME OF DRILLER OR BORER: J Scott LICENCE NUMBER: \_\_\_\_\_  
 SIGNATURE OF CONTRACTOR: Walter Lavanagh SUBMISSION DATE: \_\_\_\_\_

OFFICE USE ONLY

DATA SOURCE: 1 CONTRACTOR: 1503 DATE RECEIVED: 301069  
 DATE OF INSPECTION: \_\_\_\_\_ INSPECTOR: Phillip J P  
 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

MUNICIP. 15701 CON. 10 14 15 22 23 24  
 11 1510852- 3 9

COUNTY OR DISTRICT Coastal TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE Richmond BLOCK, TRACT, SURVEY, ETC. 9 LOT 25-27 —

DATE COMPLETED 48-53  
 DA 03 MO 08 YR 70

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 Grey	Clay Limestone	Boulders	Packed Hard	0'	15' 15' 69'

31 001500513 0069215

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
5.76	1 <input checked="" type="checkbox"/> STEEL	1.88	0'	28'
8.05	4 <input checked="" type="checkbox"/> OPEN HOLE		21'	69'

**SCREEN**

SIZE(S) OF OPENING (SLOT NO.)	31-33 DIAMETER	34-38 LENGTH	39-40

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	

**71 PUMPING TEST**

PUMPING TEST METHOD  
 1  PUMP 2  BAILER

PUMPING RATE 0012 GPM. DURATION OF PUMPING  
 15-16 HOURS 00 MINS.

STATIC LEVEL 19-21 011' FEET WATER LEVEL END OF PUMPING 22-24 035' FEET

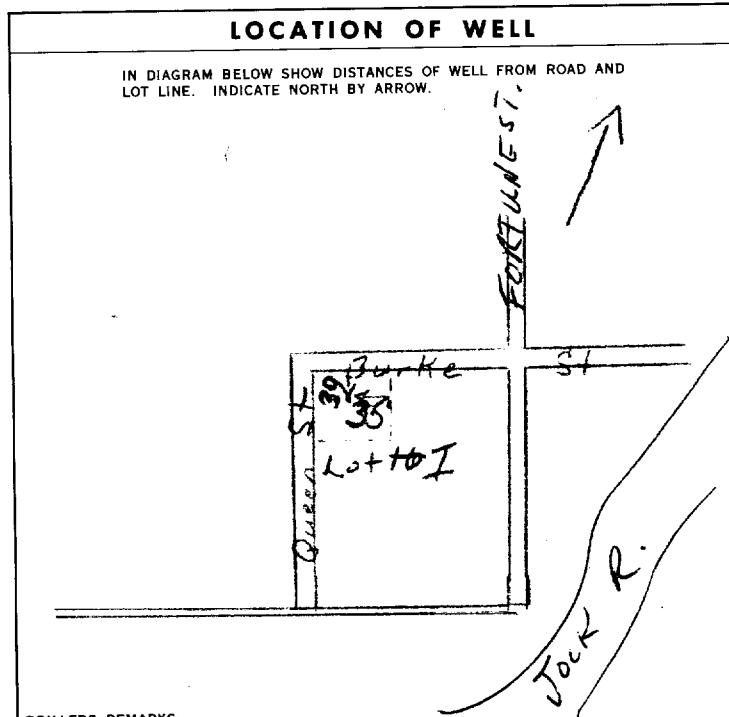
WATER LEVELS DURING PUMPING  
 15 MINUTES 26-28 015 FEET 30 MINUTES 29-31 023 FEET  
 45 MINUTES 32-34 029 FEET 60 MINUTES 35-37 035 FEET

IF FLOWING, GIVE RATE 38-41 \_\_\_\_\_ GPM. PUMP INTAKE SET AT \_\_\_\_\_ FEET WATER AT END OF TEST 42 \_\_\_\_\_ FEET

RECOMMENDED PUMP TYPE 43-45  DEEP PUMP SETTING 055 FEET

RECOMMENDED PUMP RATE 46-49 0005 GPM.

50-53 000.5 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 01

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** 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 \_\_\_\_\_

ADDRESS 14 Ashford Dr Ottawa

NAME OF DRILLER OR BORER Michael Kavanagh LICENCE NUMBER \_\_\_\_\_

SIGNATURE OF CONTRACTOR \_\_\_\_\_ SUBMISSION DATE \_\_\_\_\_

DAY \_\_\_\_\_ MO \_\_\_\_\_ YR \_\_\_\_\_

**OFFICE USE ONLY**

DATE RECEIVED 63-68 280970

CONTRACTOR 58 1558 DATE OF INSPECTION \_\_\_\_\_

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

P. Kn  
 WI Jhn



# 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 CON. COUNTY OR DISTRICT: Coastal TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: Richmond BLOCK, TRACT, SURVEY, ETC.: 1510852 LOT 25-27: 11

DATE COMPLETED: 03 MO 08 YR 70

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

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 7/8</u>	<input checked="" type="checkbox"/> STEEL	<u>1.88</u>	0'	<u>25</u>
<u>8 0/8</u>	<input checked="" type="checkbox"/> OPEN HOLE		21'	<u>69</u>

### 61 SCREEN

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

### 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

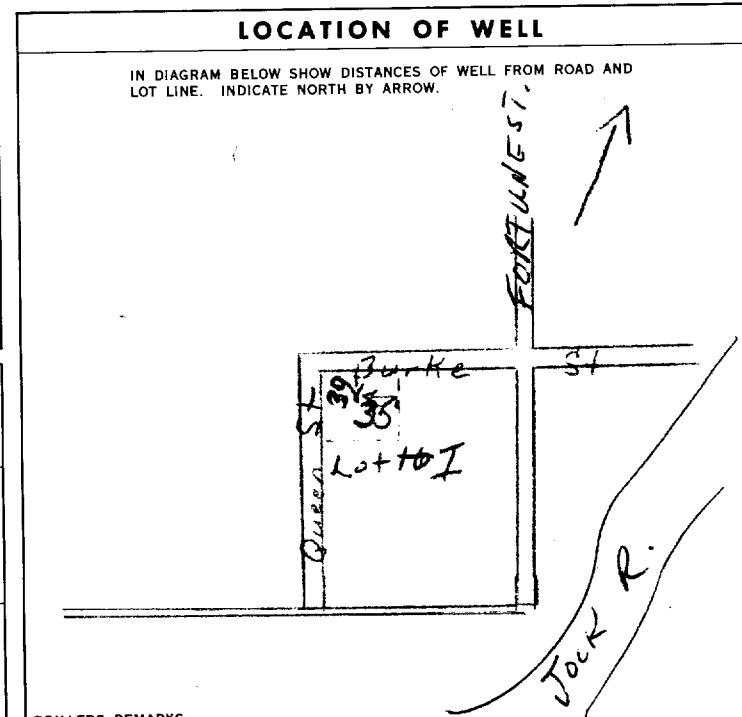
PUMPING TEST METHOD:  PUMP  BAILER

PUMPING RATE: 0012 GPM. DURATION OF PUMPING: 01 HOURS 00 MINS.

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING PUMPING			
011'	035'	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
		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  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: <u>Capital Water Supply</u>	LICENCE NUMBER:
	ADDRESS: <u>14 Ashford Dr Ottawa</u>	
OFFICE USE ONLY	DATE OF INSPECTION:	DATE RECEIVED: <u>280970</u>
	REMARKS:	
SIGNATURE OF CONTRACTOR: <u>Michael Kavanagh</u>	SUBMISSION DATE:	



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 METHOD

1  PUMP 2  BAILER

10 PUMPING RATE 2009 GPM

11-14 DURATION OF PUMPING 01 HOURS 00 MINS

15-16 17-18

19-21 22-24 25 WATER LEVELS DURING 1  PUMPING 2  RECOVERY

015 FEET 075 FEET 075 FEET 075 FEET 075 FEET 075 FEET

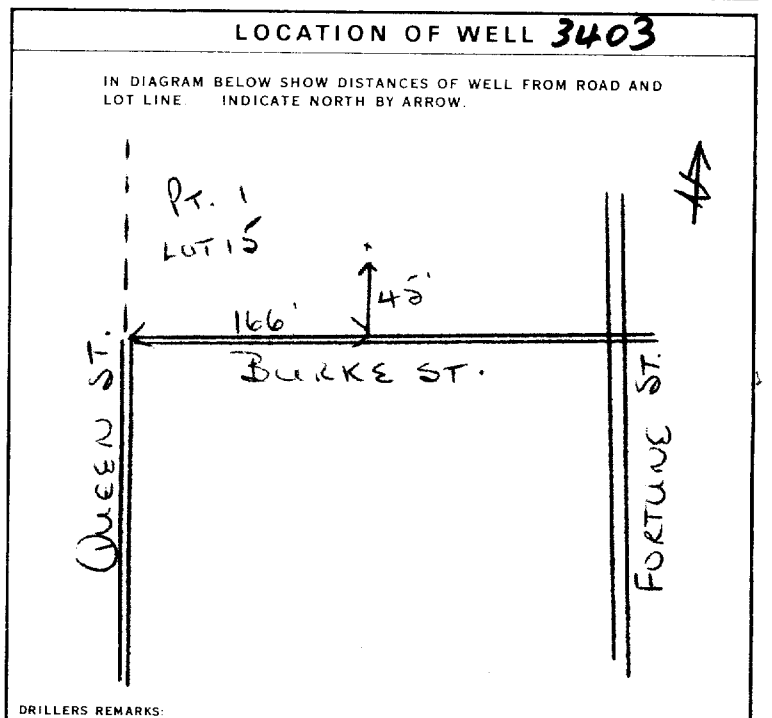
26-28 29-31 32-34 35-37

IF FLOWING GIVE RATE 38-41 PUMP INTAKE SET AT 42 WATER AT END OF TEST

RECOMMENDED PUMP TYPE 1  CLEAR 2  CLOUDY

RECOMMENDED PUMP SETTING 100 FEET 43-45 RECOMMENDED PUMPING RATE 005 GPM 46-49

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



54 FINAL STATUS OF WELL 1

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  
 9  NOT USED

57 METHOD OF DRILLING 5

1  CABLE TOOL 5  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 Stittsville, Ontario**

NAME OF DRILLER OR BORER  
**D. McDougall** LICENCE NUMBER

SIGNATURE OF CONTRACTOR  
*D. McDougall*

SUBMISSION DATE  
DAY **26** MO **3** YR **76**

OFFICE USE ONLY

DATA SOURCE **1** 58 CONTRACTOR **1558** 59-62 DATE RECEIVED **130476** 63-66

DATE OF INSPECTION  
*June 16, 1976*

INSPECTOR  
*W.E. Pentney*

REMARKS

P *WEP*  
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>27</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**

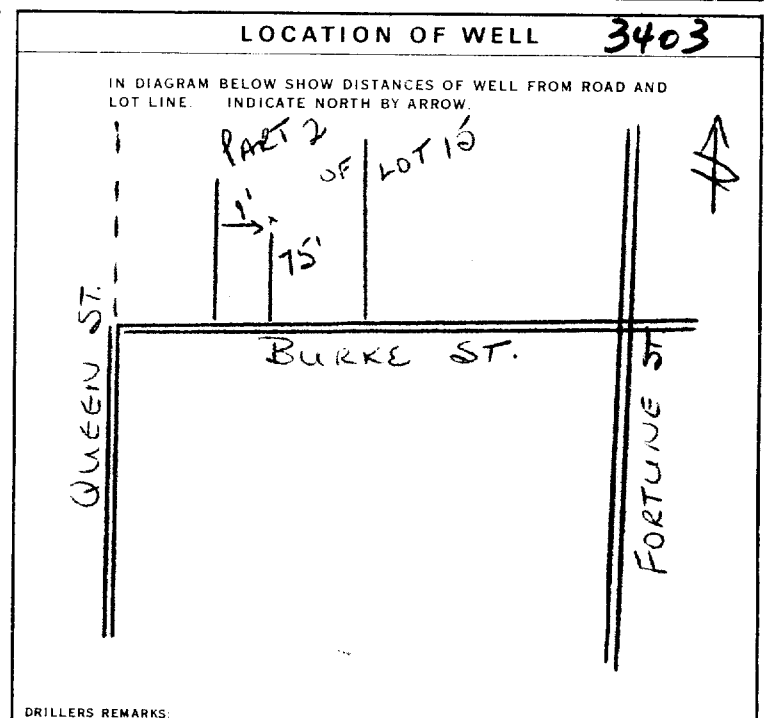
INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
6 1/2	1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE	188	0	0025
6	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> 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 <b>0012</b> GPM	DURATION OF PUMPING 1-14 <b>01</b> HOURS 15-18 <b>00</b> MINS
STATIC LEVEL <b>010</b> FEET	WATER LEVEL END OF PUMPING <b>025</b> FEET	WATER LEVELS DURING 15 MINUTES <b>025</b> FEET 30 MINUTES <b>025</b> FEET 45 MINUTES <b>025</b> FEET 60 MINUTES <b>025</b> FEET
IF FLOWING, GIVE RATE GPM	PUMP INTAKE SET AT FEET	WATER AT END OF TEST 1 <input checked="" type="checkbox"/> CLEAR 2 <input type="checkbox"/> CLOUDY
RECOMMENDED PUMP TYPE 1 <input checked="" type="checkbox"/> SHALLOW 2 <input type="checkbox"/> DEEP	RECOMMENDED PUMP SETTING <b>030</b> FEET	RECOMMENDED PUMPING RATE <b>0005</b> 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 Stittville, Ontario**

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

SIGNATURE OF CONTRACTOR: *Walter Hardkye* 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 *WEP*  
WI



Ontario

# WATER WELL RECORD

31 G/4F

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

11 1515320 15701

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

DATE COMPLETED: JUN 27 1976

003441 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
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

**51 CASING & OPEN HOLE RECORD**

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET
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 0025

**61 PLUGGING & SEALING RECORD**

DEPTH SET AT - FEET	MATERIAL AND TYPE
10-13	14-17

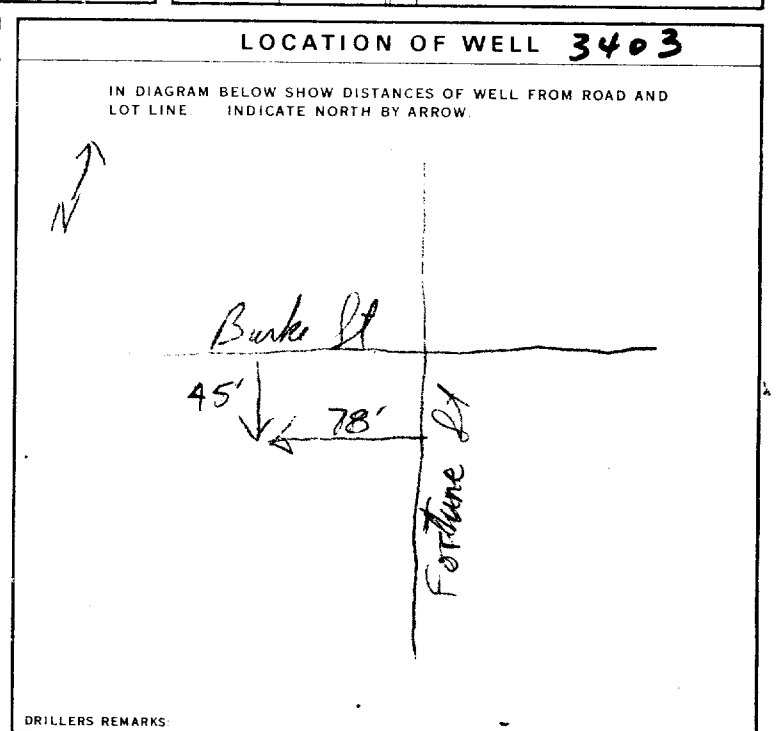
**71 PUMPING TEST**

PUMPING TEST METHOD: 1  PUMP 2  BAILER

PUMPING RATE: 0008 GPM

DURATION OF PUMPING: 01 15-16 00 HOURS

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



**FINAL STATUS OF WELL**: 1  WATER SUPPLY

**WATER USE**: 01  DOMESTIC

**METHOD OF DRILLING**: 5  AIR PERCUSSION

**CONTRACTOR**: Jerry Mann Well Drilling, Licence Number 3644

**DRILLER OR BORER**: [Signature], Licence Number [Blank]

**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**: J.E. Portney



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 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
grey	clay	stones		0	23
grey	limestone			23	125

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	
			FROM	TO
10-11	1 <input checked="" type="checkbox"/> STEEL	12		13-16
	2 <input type="checkbox"/> GALVANIZED			
	3 <input type="checkbox"/> CONCRETE			
	4 <input type="checkbox"/> OPEN HOLE			
17-18	1 <input type="checkbox"/> STEEL	19		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	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
	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 METHOD

1  PUMP 2  BAILER

10 PUMPING RATE: 00/0

11-14 DURATION OF PUMPING: 01 15-16 00 17-18 00

25 WATER LEVELS DURING PUMPING

STATIC LEVEL	WATER LEVEL END OF PUMPING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
002	025	025	025	025	025

IF FLOWING, GIVE RATE: 38-41

PUMP INTAKE SET AT: 025

WATER AT END OF TEST: 42

RECOMMENDED PUMP TYPE:  SHALLOW  DEEP

RECOMMENDED PUMP SETTING: 025

RECOMMENDED PUMPING RATE: 00/0

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

55-56 WATER USE: 9  DOMESTIC

57 METHOD OF DRILLING: 1  CABLE TOOL

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: [Signature] 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: [Signature]

REMARKS:

P  
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Ontario

# WATER WELL RECORD

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

11 1517733 MUNICIPAL 15701 CON. CQN 02

COUNTY OR DISTRICT: Ottawa-Carleton TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: Gaulebourn CON., BLOCK, TRACT, SURVEY, ETC.: Conc. 2 LOT 25-27: 023

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

21 ZONE UTM 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"/> MINERAL		
15-18	1 <input type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR	4 <input type="checkbox"/> MINERAL	19
	2 <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"/> MINERAL	24
	2 <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"/> MINERAL	29
	2 <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"/> MINERAL	34
	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	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 INCHES	30 FEET

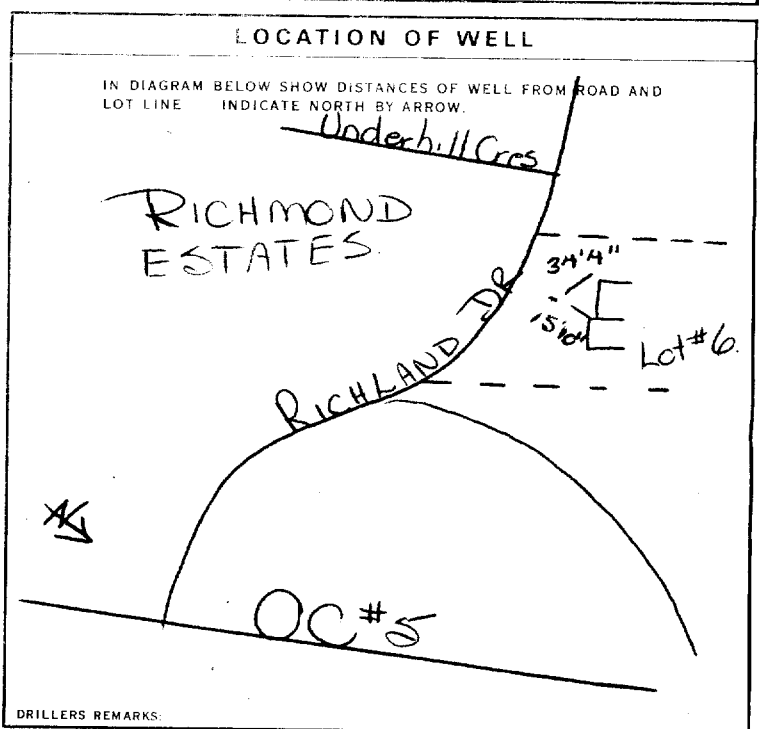
MATERIAL AND TYPE: \_\_\_\_\_ DEPTH TO TOP OF SCREEN: \_\_\_\_\_

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

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 <input checked="" type="checkbox"/> PUMP 2 <input type="checkbox"/> BAILER	0030 GPM	01 HOURS 00 MINS
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING
008 FEET	020 FEET	15 MINUTES: 020 FEET 30 MINUTES: 020 FEET 45 MINUTES: 020 FEET 60 MINUTES: 020 FEET
IF FLOWING GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
	030 FEET	1 <input checked="" type="checkbox"/> CLEAR 2 <input 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



FINAL STATUS OF WELL 1

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 LICENCE NUMBER: \_\_\_\_\_

SIGNATURE OF CONTRACTOR: \_\_\_\_\_ SUBMISSION DATE: DAY 01 MO. 10 YR 81

OFFICE USE ONLY

DATA SOURCE: 1558 CONTRACTOR: 030382 DATE RECEIVED: 030382

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

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

P  
WI





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

MUNICIP 15701

CON. CPN

03

COUNTY OR DISTRICT: Coquitla TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: Richmond (Loudoun) CON. BLOCK, TRAC, SURVEY, ETC.: Ottawa St LOT: 022

Richmond Ont DATE COMPLETED: DAY 04 MO 06 YR 82

ING: 03099 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			0	8
grey	hardpan			8	15
grey	gravel			15	25
grey	limestone			25	25

31: 0008205 0015214 0025211 0125215

32: [Scale]

### 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
11-11	1 <input checked="" type="checkbox"/> STEEL	1/8	0	27
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
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.)
10-13	14-17	
18-21	22-25	
26-29	30-33	

### 71 PUMPING TEST

PUMPING TEST METHOD: 1  PUMP 2  BAILER

PUMPING RATE: 00/5 GPM

DURATION OF PUMPING: 01 HOURS 00 MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING			
19-21	22-24	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
<u>008</u>	<u>030</u>	<u>030</u>	<u>030</u>	<u>030</u>	<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

1  WATER SUPPLY

### WATER USE

1  DOMESTIC

### METHOD OF DRILLING

1  CABLE TOOL

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: \_\_\_\_\_

# WATER WELL RECORD

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

11 1518067 15701 CON. CDN 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: DAY 09 MO 09 YR 82

WELL NO.: 003099 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			0	23
grey	hardpan	gravel		23	27
grey	limestone			27	125

31 0023205 0027214/11 0129215

32

### 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
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
06-11	1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE	188	0	630
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 INCHES	LENGTH FEET
	31-33	34-38
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
1 <input checked="" type="checkbox"/> PUMP 2 <input type="checkbox"/> BAILER	0007 GPM	01 15-16 00 17-18 HOURS MINS
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
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
<input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/> DEEP	080 FEET	0007 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 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 5  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: Max LICENCE NUMBER:  
SIGNATURE OF CONTRACTOR: [Signature] SUBMISSION DATE: DAY 9 MO 9 YR 82

### OFFICE USE ONLY

DATA SOURCE: 1 CONTRACTOR: 3644 DATE RECEIVED: 11 01 83  
DATE OF INSPECTION: INSPECTOR:  
REMARKS:

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  
 DAY 09 MO 11 YR 82

ZONE: U 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 (32) 0024214 (41) 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
	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
8 1/2	STEEL	1/8	0	26
6	STEEL	1/8	26	25

**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	
18-21	
26-29	

**(71) PUMPING TEST METHOD**

1  PUMP 2  BAILER

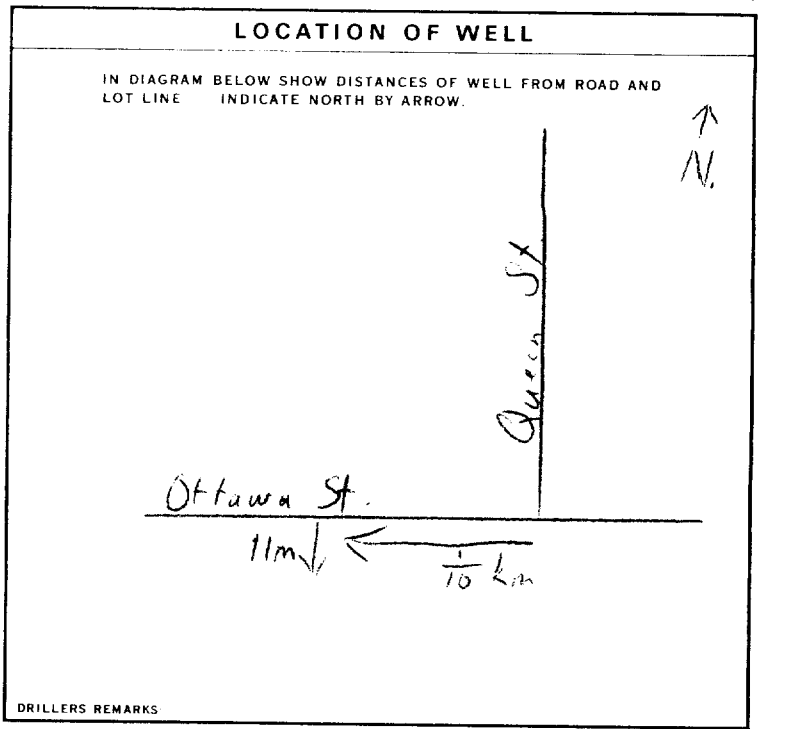
PUMPING RATE: 0005 GPM DURATION OF PUMPING: 01 00 HOURS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING				
003 FEET	100 FEET	15 MINUTES: 100 FEET	30 MINUTES: 100 FEET	45 MINUTES: 100 FEET	60 MINUTES: 100 FEET	

RECOMMENDED PUMP TYPE:  DEEP

RECOMMENDED PUMP SETTING: 100 FEET

RECOMMENDED PUMP RATE: 0005 GPM



**FINAL STATUS OF WELL** 1  WATER SUPPLY

**WATER USE** 01 1  DOMESTIC

**METHOD OF DRILLING** 5  ROTARY (CONVENTIONAL)

**CONTRACTOR** Henry Mains Well Drilling 3644  
 ADDRESS: 24326, Richmond Ont  
 NAME OF DRILLER OR BORER: H 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:  
 REMARKS:

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 Doullbourn (Richmond) CON. BLOCK, TRACT, SURVEY, ETC. Ottawa St. LOT 150  
 OWNER (SURNAME FIRST) Henry Company Ltd ADDRESS Richmond Ont DATE COMPLETED DAY 09 MO 11 YR. 82

(21) 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) 0012205 0024214 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	
			FROM	TO
06	STEEL	188	0	26
06	STEEL		26	25

**SCREEN**

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

**(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**

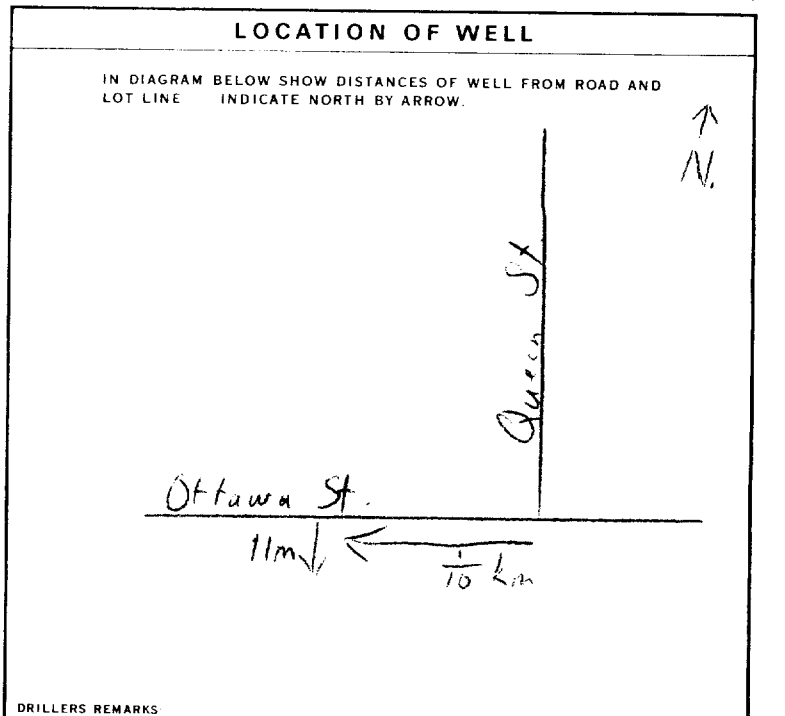
1  PUMP 2  BAILER

PUMPING RATE 0005 GPM DURATION OF PUMPING 01 HOURS 00 MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING				
003	100	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES	
		100	100	100	100	

RECOMMENDED PUMP TYPE  DEEP

RECOMMENDED PUMP SETTING 100 FEET



**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 LICENCE NUMBER 3644  
 ADDRESS 24326, Richmond Ont  
 NAME OF DRILLER OR BORER H Mains LICENCE NUMBER  
 SIGNATURE OF CONTRACTOR [Signature] SUBMISSION DATE DAY 20 MO 11 YR. 82

**OFFICE USE ONLY** DATA SOURCE 1 CONTRACTOR 3644 DATE RECEIVED 11 01 83  
 DATE OF INSPECTION INSPECTOR  
 REMARKS

# WATER WELL RECORD

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

(11)

1518709

MUNICIPALITY 157.01

CON. CON

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 EASTING 434399 NORTHING 5003199 RC 4 SECTION 0310 BASIN CODE 426

## 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 <u>0079</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>64</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>21</u>
<u>06</u>	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input checked="" type="checkbox"/> OPEN HOLE		<u>21</u>	<u>84</u>
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

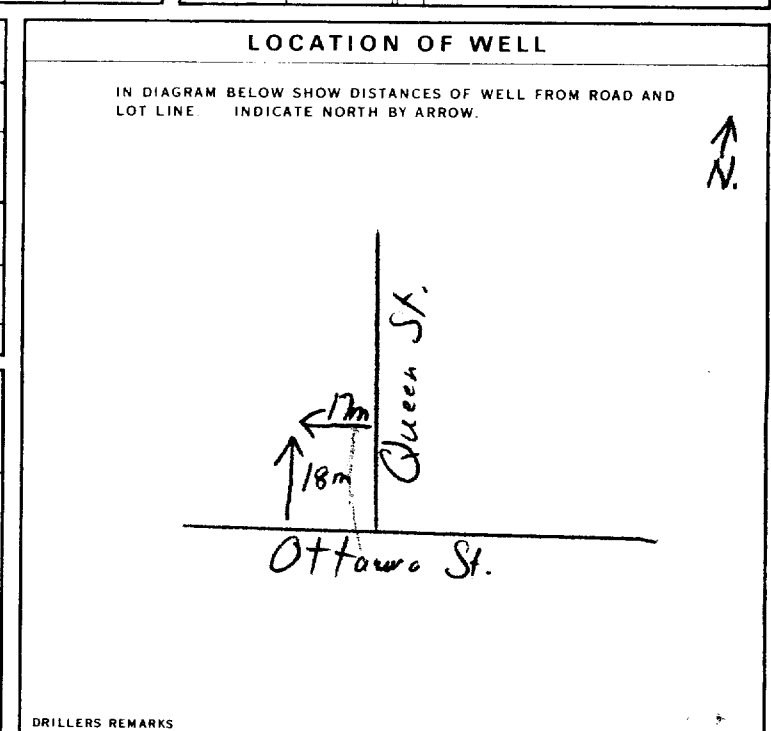
SIZE(S) OF OPENING (SLOT NO. 1)	DIAMETER INCHES	LENGTH FEET
MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN FEET	

(61) PLUGGING & SEALING RECORD

DEPTH SET AT - FEET	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
FROM TO	
<u>0</u> <u>21</u>	<u>concrete grouted</u>
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: <u>0020</u> GPM	DURATION OF PUMPING: <u>01</u> HOURS <u>00</u> MINS
STATIC LEVEL: <u>007</u> FEET	WATER LEVEL END OF PUMPING: <u>030</u> FEET	WATER LEVELS DURING PUMPING:
19-21	22-24	15 MINUTES: <u>030</u> FEET
26-28	29-31	30 MINUTES: <u>030</u> FEET
32-34	35-37	45 MINUTES: <u>030</u> FEET
		60 MINUTES: <u>030</u> FEET
IF FLOWING GIVE RATE: _____ GPM	PUMP INTAKE SET AT: _____ FEET	WATER AT END OF TEST: _____ FEET
RECOMMENDED PUMP TYPE: <input checked="" type="checkbox"/> SHALLOW <input type="checkbox"/> DEEP	RECOMMENDED PUMP SETTING: <u>030</u> FEET	RECOMMENDED PUMPING RATE: <u>0010</u> GPM



FINAL STATUS OF WELL: 1

WATER USE: 01

METHOD OF DRILLING: 5

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: \_\_\_\_\_ 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: \_\_\_\_\_



Ministry of the Environment  
Ontario

The Ontario Water Resources Act

# 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. OR VILLAGE: Richmond CON. BLOCK, TRACT, SURVEY, ETC.: Queen St. LOT: 022  
Richmond Ont. DATE COMPLETED: DAY 13 MO 10 YR 83

SPACING: 0.03299 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
<u>grey</u>	<u>fill</u>			<u>0</u>	<u>5</u>
<u>grey</u>	<u>limestone</u>			<u>5</u>	<u>43</u>

31 0005201 0003215

**41 WATER RECORD**

WATER FOUND AT - FEET	KIND OF WATER
<u>0038</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>	<input checked="" type="checkbox"/> STEEL	<u>188</u>	<u>0 to 21</u>
<u>87</u>	<input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input type="checkbox"/> OPEN HOLE		
<u>06</u>	<input type="checkbox"/> STEEL <input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input checked="" type="checkbox"/> OPEN HOLE		<u>21 to 43</u>

**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.)
FROM TO	
<u>0</u> 10-13	<u>21</u> 14-17 <u>Cement grouted</u>
18-21	22-25
26-29	30-33
	40

**71 PUMPING TEST METHOD**

1  PUMP 2  BAILER

PUMPING RATE: 0020 GPM

DURATION OF PUMPING: 01 HOURS 00 MINS

STATIC LEVEL: 010 FEET

WATER LEVEL END OF PUMPING: 025 FEET

WATER LEVELS DURING:

15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
<u>025</u>	<u>025</u>	<u>025</u>	<u>025</u>

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

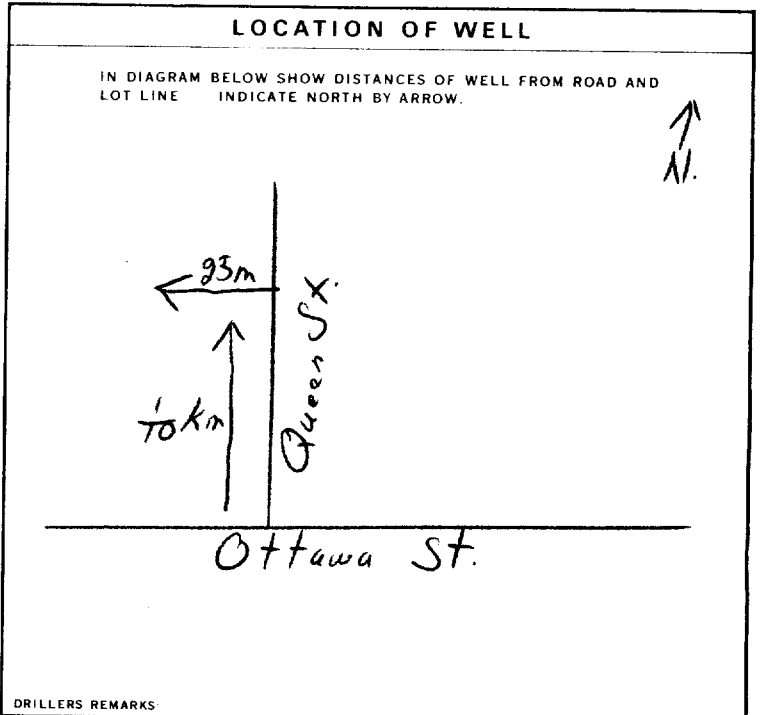
PUMP INTAKE SET AT: \_\_\_\_\_ FEET

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

RECOMMENDED PUMP TYPE:  SHALLOW  DEEP

RECOMMENDED PUMP SETTING: 025 FEET

RECOMMENDED PUMPING RATE: 0010 GPM



**FINAL STATUS OF WELL** 1

**WATER USE** 01

**METHOD OF DRILLING** 5

**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: \_\_\_\_\_

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: \_\_\_\_\_



Ministry of the Environment  
Ontario

The Ontario Water Resources Act

# 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, ETC.: Queen St. LOT: 8022  
Richmond Ont. DATE COMPLETED: DAY 13 MO 10 YR 83

1. 0.03299 2. 4 3. 0.310 4. 4 5. 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>fill</u>			<u>0</u>	<u>5</u>
<u>grey</u>	<u>limestone</u>			<u>5</u>	<u>43</u>

31 0005201 32 0003215

### 41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
<u>0038</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>	<input checked="" type="checkbox"/> STEEL	<u>188</u>	<u>0</u> to <u>21</u>
<u>87</u>	<input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input type="checkbox"/> OPEN HOLE		<u>21</u> to <u>43</u>
<u>06</u>	<input type="checkbox"/> STEEL <input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input type="checkbox"/> OPEN HOLE		<u>43</u> to <u>80</u>

### SCREEN

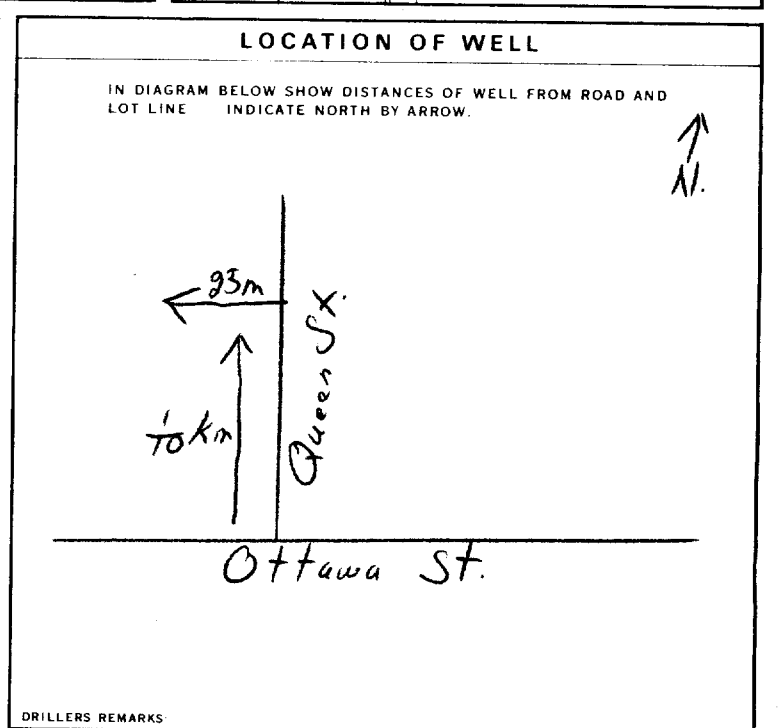
SIZES (S) OF OPENING (SLOT NO. 1)	31-33	DIAMETER	34-38	LENGTH	39-40
MATERIAL AND TYPE	INCHES		FEET		
	DEPTH TO TOP OF SCREEN		41-44		
			FEET		

### 61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET	MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER, ETC.)
FROM TO	
<u>0</u> 10-13	<u>21</u> 14-17 <u>Cement grouted</u>
18-21	22-25
26-29	30-33 80

### 71 PUMPING TEST

PUMPING TEST METHOD	10 PUMPING RATE	11-14 DURATION OF PUMPING
1 <input checked="" type="checkbox"/> PUMP 2 <input type="checkbox"/> BAILER	<u>0020</u> GPM	<u>01</u> 15-16 HOURS <u>00</u> 17-18 MINS
STATIC LEVEL	WATER LEVEL END OF PUMPING	25 WATER LEVELS DURING
<u>010</u>	<u>025</u>	1 <input checked="" type="checkbox"/> PUMPING 2 <input type="checkbox"/> RECOVERY
19-21 FEET	22-24 FEET	15 MINUTES 28-28 FEET 29-31 FEET 32-34 FEET 35-37 FEET
IF FLOWING, GIVE RATE	38-41 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 checked="" type="checkbox"/> SHALLOW <input type="checkbox"/> DEEP	<u>025</u> FEET	<u>0010</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  
 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: 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

PLANNING NO. 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	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	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	1 <input type="checkbox"/> STEEL	12	0	21
84	2 <input type="checkbox"/> GALVANIZED	188	21	63
06	3 <input type="checkbox"/> CONCRETE			
	4 <input type="checkbox"/> OPEN HOLE			

SCREEN

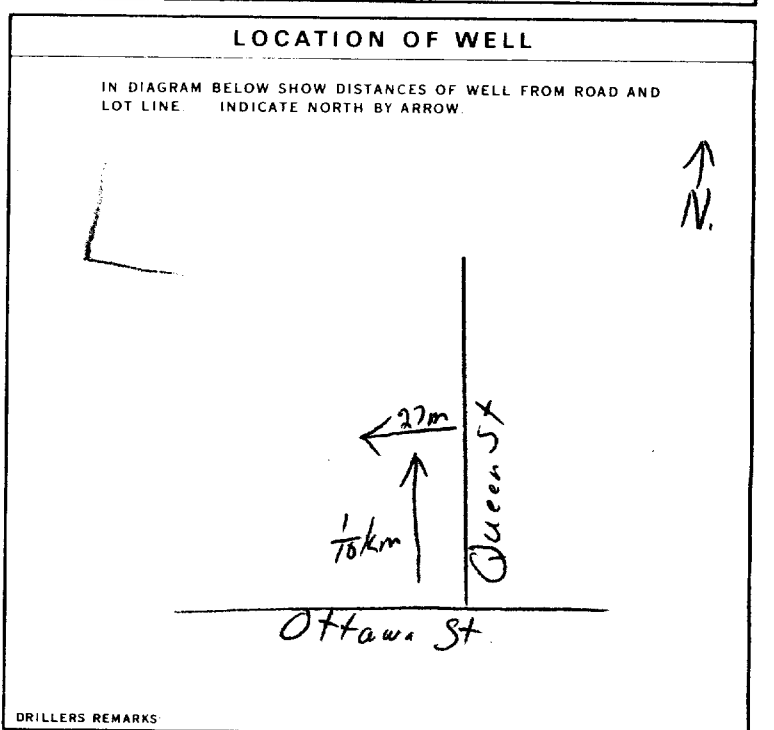
SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
	INCHES	FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET	MATERIAL AND TYPE	(CEMENT GROUT LEAD PACKER, ETC.)
0-21	21	cement

71 PUMPING TEST

PUMPING TEST METHOD: 1 <input checked="" type="checkbox"/> PUMP	PUMPING RATE: 0020 GPM	DURATION OF PUMPING: 01:00 HOURS
STATIC LEVEL: 005 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 checked="" type="checkbox"/> ALLOW	RECOMMENDED PUMP SETTING: 025 FEET	RECOMMENDED PUMPING RATE: 0010 GPM



FINAL STATUS OF WELL: 1

WATER USE: 01

METHOD OF DRILLING: 5

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

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	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
<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> to <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> to <u>63</u>

SCREEN

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

61 PLUGGING & SEALING RECORD

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

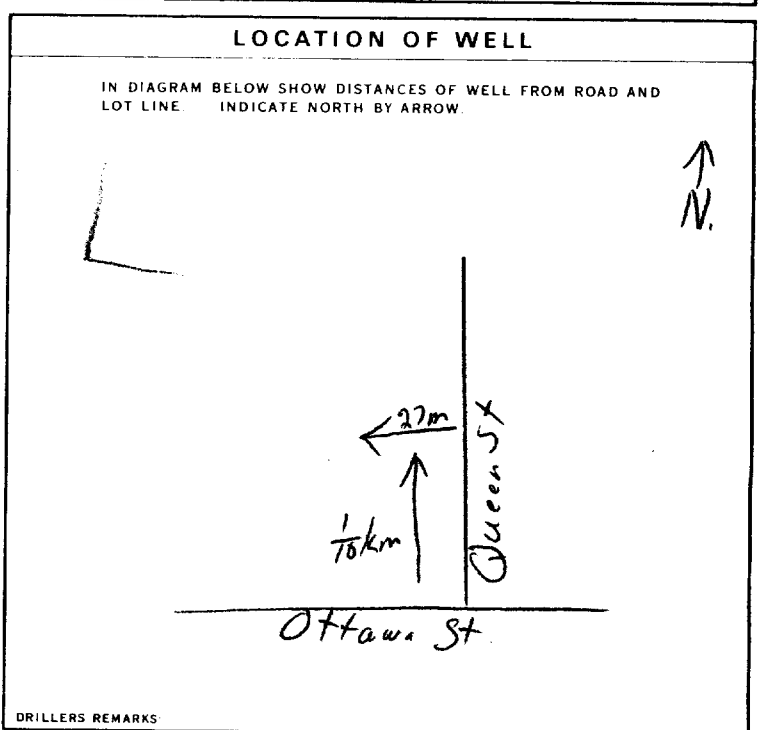
PUMP INTAKE SET AT: \_\_\_\_\_ FEET

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

WATER USE: 01  DOMESTIC

METHOD OF DRILLING: 5  WATER PERCUSSION

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

MUNICIPALITY 15.70.1

CON. C0N

03

COUNTY OR DISTRICT: Carleton TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: Richmond CON. BLOCK, TRACT, SURVEY, ET.: Queen St. LOT: 2022

DATE COMPLETED: DAY 07 MO 11 YR 83

INC. 003299 RC 4 ELEVATION 031.0 RC 4 BASIN CODE 2.6

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)				
GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	DEPTH - FEET	
			FROM	TO
<u>grey</u>	<u>clay</u>	<u>stones</u>	<u>0</u>	<u>2</u>
<u>grey</u>	<u>limestone</u>		<u>2</u>	<u>63</u>

31 000220512 0062215

32

**41 WATER RECORD**

WATER FOUND AT - FEET: 0059

KIND OF WATER:

10-13	1 <input checked="" type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR	14
	2 <input type="checkbox"/> SALTY	4 <input type="checkbox"/> MINERAL	
15-18	1 <input type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR	19
	2 <input type="checkbox"/> SALTY	4 <input type="checkbox"/> MINERAL	
20-23	1 <input type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR	24
	2 <input type="checkbox"/> SALTY	4 <input type="checkbox"/> MINERAL	
25-28	1 <input type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR	29
	2 <input type="checkbox"/> SALTY	4 <input type="checkbox"/> MINERAL	
30-33	1 <input type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR	34
	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>0001</u>	1 <input checked="" type="checkbox"/> STEEL	<u>188</u>	<u>0</u>	<u>21</u>
<u>0004</u>	2 <input type="checkbox"/> GALVANIZED			
<u>0006</u>	3 <input type="checkbox"/> CONCRETE			
<u>0006</u>	4 <input checked="" type="checkbox"/> OPEN HOLE			
<u>0006</u>	1 <input type="checkbox"/> STEEL		<u>21</u>	<u>63</u>
	2 <input type="checkbox"/> GALVANIZED			
	3 <input type="checkbox"/> CONCRETE			
	4 <input type="checkbox"/> OPEN HOLE			
<u>0006</u>	1 <input type="checkbox"/> STEEL		<u>27</u>	<u>30</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: 31-33 INCHES

LENGTH: 34-38 FEET

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.)
10-13	14-17
18-21	22-25
26-29	30-33

**71 PUMPING TEST**

PUMPING TEST METHOD: 1  PUMP 2  BAILER

PUMPING RATE: 0050 GPM

DURATION OF PUMPING: 01 HOURS 00 MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING			
<u>006</u> FEET	<u>025</u> FEET	15 MINUTES: <u>025</u> FEET	30 MINUTES: <u>025</u> FEET	45 MINUTES: <u>025</u> FEET	60 MINUTES: <u>025</u> FEET

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

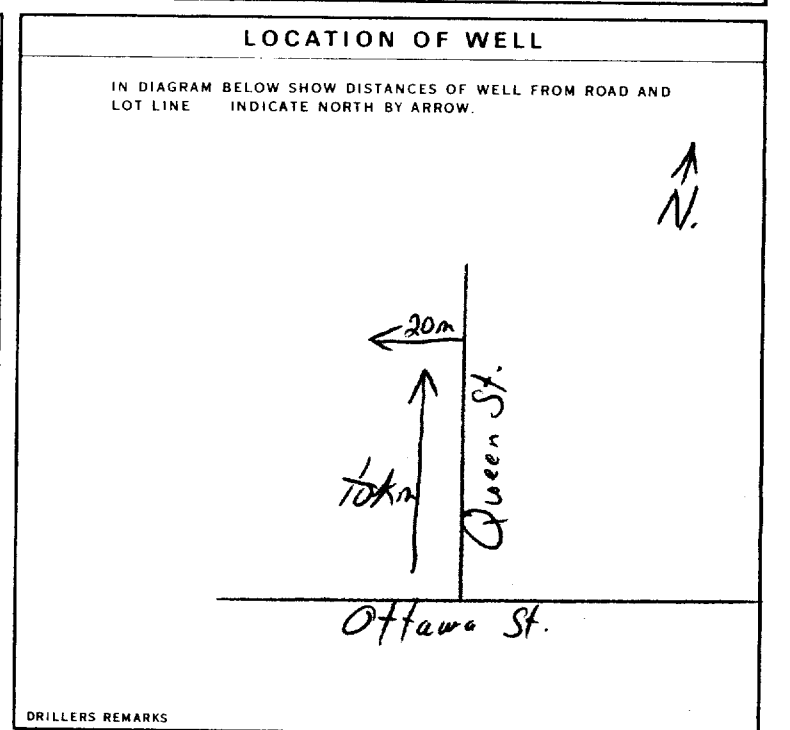
PUMP INTAKE SET AT: \_\_\_\_\_ FEET

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

RECOMMENDED PUMP TYPE: 1  SHALLOW 2  DEEP

RECOMMENDED PUMP SETTING: 025 FEET

RECOMMENDED PUMPING RATE: 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  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: Sherry Marie Well Drilling LICENCE NUMBER: 3644

ADDRESS: Box 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 1518777 MUNICIPAL 15.701 CON. CPN 03  
 COUNTY OR DISTRICT: Carleton Place TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: Richmond CON. BLOCK, TRACT, SURVEY, ET AL.: Queen St. LOT: 2022  
 DATE COMPLETED: DAY 07 MO 11 YR 83  
 INC. 003299 RC 4 ELEVATION 031.0 RC 4 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
grey	clay	stones		0	2
grey	limestone			2	63

31 000220512 0062215  
 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
09 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	21
06	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input checked="" type="checkbox"/> OPEN HOLE		21	63

**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: 0050 GPM

DURATION OF PUMPING: 01 00 HOURS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING
006	025	15 MINUTES: 025, 30 MINUTES: 025, 45 MINUTES: 025, 60 MINUTES: 025

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

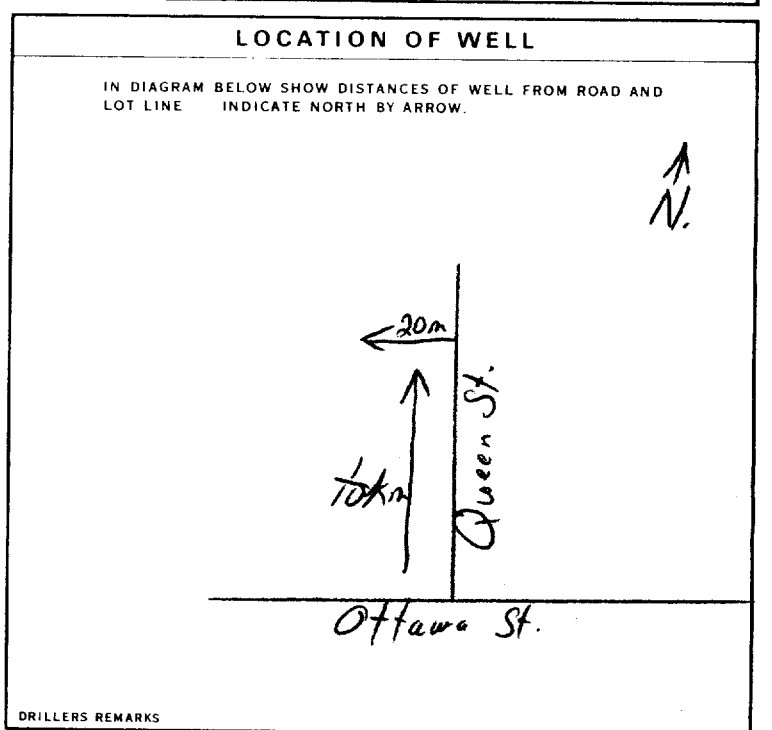
PUMP INTAKE SET AT: \_\_\_\_\_ FEET

WATER AT END OF TEST: \_\_\_\_\_ 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: Box 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 E. LOT: Queen St. S022

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
<u>grey</u>	<u>clay</u>	<u>gravel</u>	<u>0</u>	<u>10</u>
<u>grey</u>	<u>limestone</u>		<u>10</u>	<u>63</u>

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>	<u>0 to 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		<u>22 to 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		<u>27-30</u>

SCREEN

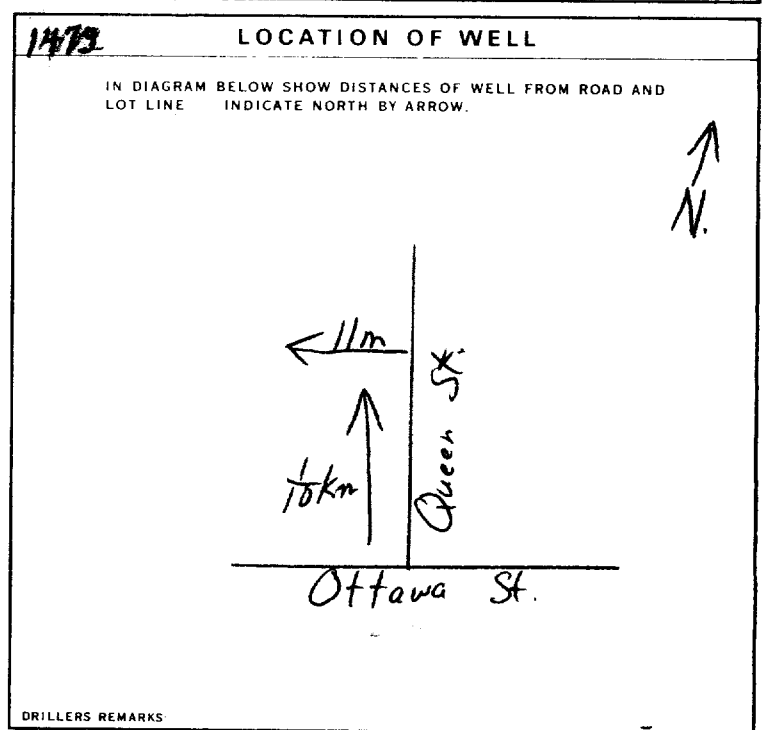
SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
	INCHES	FEET
MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN	
	INCHES	FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
FROM TO	
<u>0</u> <u>22</u>	<u>cannot grouted</u>
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"/> BAILER	<u>0020</u> GPM	<u>01/00</u> HOURS
STATIC LEVEL	WATER LEVELS DURING PUMPING	WATER LEVEL AT END OF TEST
19-21 <u>006</u> FEET	15 MINUTES <u>030</u> FEET	1 <input checked="" type="checkbox"/> PUMPING 2 <input type="checkbox"/> RECOVERY
	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	RECOMMENDED PUMP SETTING
	<u>030</u> FEET	<u>030</u> FEET
RECOMMENDED PUMP TYPE	RECOMMENDED PUMPING RATE	
<input type="checkbox"/> SHALLOW <input type="checkbox"/> DEEP	<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: \_\_\_\_\_

# 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
<u>grey</u>	<u>clay</u>	<u>gravel</u>	<u>0</u>	<u>10</u>
<u>grey</u>	<u>limestone</u>		<u>10</u>	<u>63</u>

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>	<u>0 to 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		<u>22 to 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		<u>27-30</u>

SCREEN

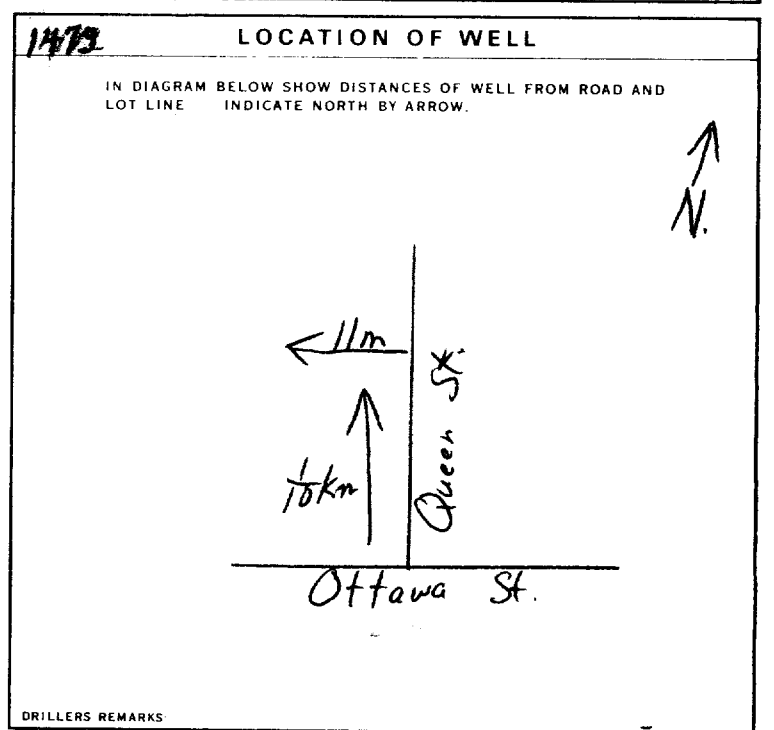
SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
	INCHES	FEET
MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN	
	INCHES	FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
FROM TO	
<u>0</u> <u>22</u>	<u>cannot grouted</u>
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"/> BAILER	<u>0020</u> GPM	<u>01/00</u> HOURS
STATIC LEVEL	WATER LEVELS DURING PUMPING	WATER LEVELS DURING RECOVERY
19-21 <u>006</u> FEET	15 MINUTES <u>030</u> FEET	1 <input checked="" type="checkbox"/> PUMPING 2 <input type="checkbox"/> RECOVERY
	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: \_\_\_\_\_

# 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
<u>grey</u>	<u>clay</u>	<u>gravel</u>	<u>0</u>	<u>10</u>
<u>grey</u>	<u>limestone</u>		<u>10</u>	<u>63</u>

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>	<u>0 to 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		<u>22 to 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		<u>27-30</u>

SCREEN

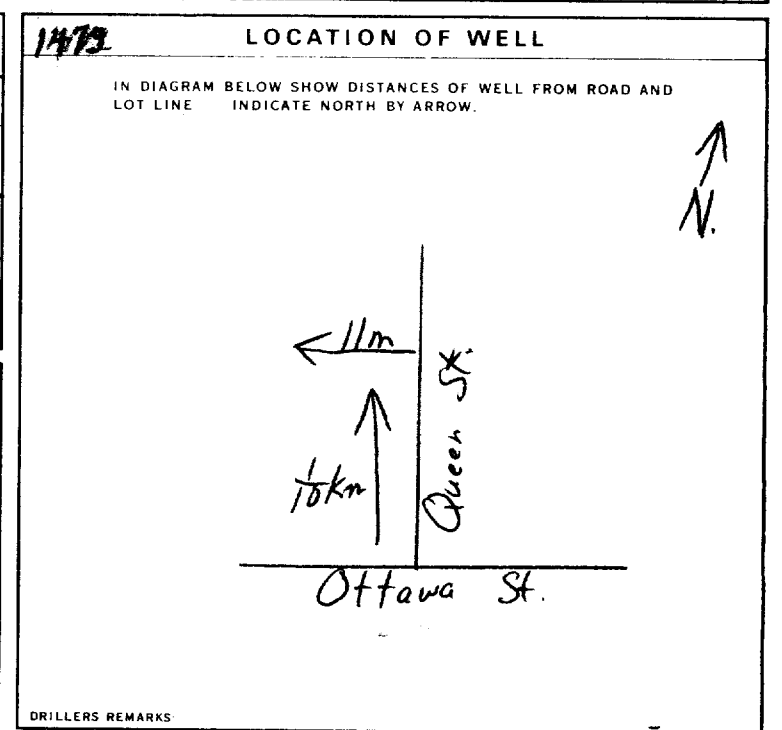
SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
	INCHES	FEET
MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN	
	INCHES	FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
FROM TO	
<u>0</u> <u>22</u>	<u>cannot grouted</u>
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"/> BAILER	<u>0020</u> GPM	<u>01/00</u> HOURS
STATIC LEVEL	WATER LEVELS DURING PUMPING	WATER LEVEL AT END OF TEST
19-21 <u>006</u> FEET	15 MINUTES <u>030</u> FEET	1 <input checked="" type="checkbox"/> PUMPING 2 <input type="checkbox"/> RECOVERY
	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	RECOMMENDED PUMP SETTING
	<u>030</u> FEET	<u>030</u> FEET
RECOMMENDED PUMP TYPE	RECOMMENDED PUMPING RATE	
<input type="checkbox"/> SHALLOW <input type="checkbox"/> DEEP	<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  
 RC: 03199 ELEVATION: 0310 BASIN CODE: 26

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)				
GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	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 0081	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
06-11 69	1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE	188	0-11
17-18	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE		11-18
24-25	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE		18-25

**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

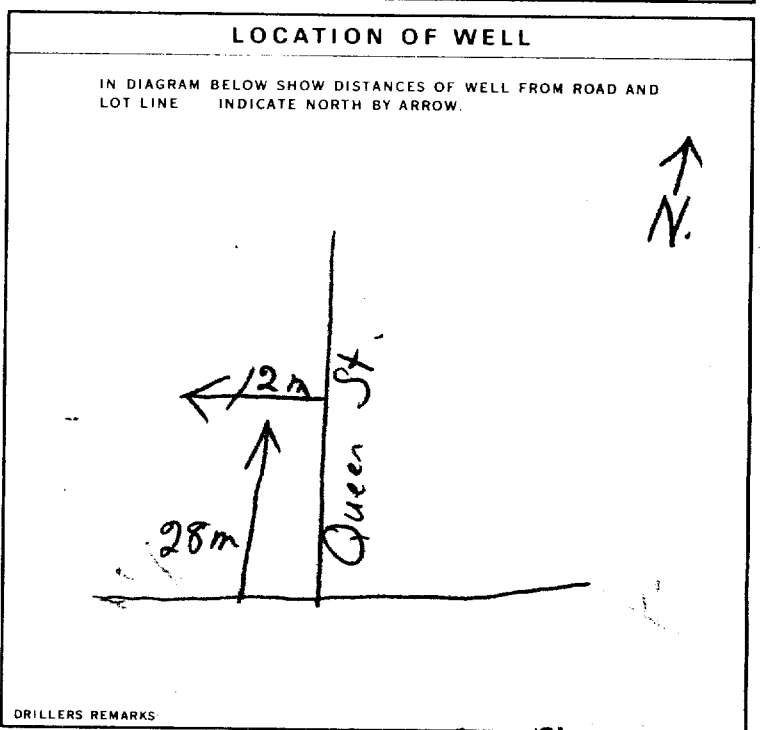
PUMPING RATE: 0020 GPM DURATION OF PUMPING: 01:00 HOURS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING PUMPING			
19-21 008	22-24 030	15-MINUTES 26-28 030	30 MINUTES 29-31 030	45 MINUTES 32-34 030	60 MINUTES 35-37 030

IF FLOWING, GIVE RATE: \_\_\_\_\_ GPM PUMP INTAKE SET AT: \_\_\_\_\_ FEET WATER AT END OF TEST: \_\_\_\_\_ FEET

RECOMMENDED PUMP TYPE:  SHALLOW  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  
 OTHER 9  NOT USED

**METHOD OF DRILLING**

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

**CONTRACTOR**

NAME OF WELL CONTRACTOR: Henry Mains Well Drilling LICENCE NUMBER: 3644  
 ADDRESS: Box 326 Richmond Ont.  
 NAME OF DRILLER OR BORER: \_\_\_\_\_ LICENCE NUMBER: \_\_\_\_\_  
 SIGNATURE OF CONTRACTOR: \_\_\_\_\_ SUBMISSION DATE: DAY 2 MO 5 YR 84

**OFFICE USE ONLY**

DATA SOURCE: \_\_\_\_\_ CONTRACTOR: 3644 DATE RECEIVED: 03 07 84  
 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>	1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERALS 6 <input type="checkbox"/> GAS
	19 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERALS 6 <input type="checkbox"/> GAS
	24 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERALS 6 <input type="checkbox"/> GAS
	29 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERALS 6 <input type="checkbox"/> GAS
	34 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERALS 6 <input type="checkbox"/> GAS

**51 CASING & OPEN HOLE RECORD**

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
<i>69</i>	1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE 5 <input type="checkbox"/> PLASTIC	<i>188</i>	<i>0</i>	<i>22</i>
<i>6</i>	1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE 5 <input type="checkbox"/> PLASTIC		<i>22</i>	<i>83</i>

**SCREEN**

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
	INCHES	FEET
		41-44
		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.)
<i>0</i> <i>22</i>	<i>Cement grouted</i>

**71 PUMPING TEST**

PUMPING TEST METHOD: *1*  *2*  PUMPING RATE: *25* GPM DURATION OF PUMPING: *1* HOURS *0* MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING			
<i>8</i>	<i>70</i>	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
<i>8</i>	<i>70</i>	<i>70</i>	<i>70</i>	<i>70</i>	<i>70</i>

RECOMMENDED PUMP TYPE:  SHALLOW  DEEP

**LOCATION OF WELL**

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

68468

**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  DEWATERING

**WATER USE**

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

**METHOD OF CONSTRUCTION**

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

**CONTRACTOR**

NAME OF WELL CONTRACTOR: *Ad 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 (Galloway)* 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					
<i>118</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	
	<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>
	<input type="checkbox"/> STEEL <input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input type="checkbox"/> OPEN HOLE <input type="checkbox"/> PLASTIC			

### SCREEN

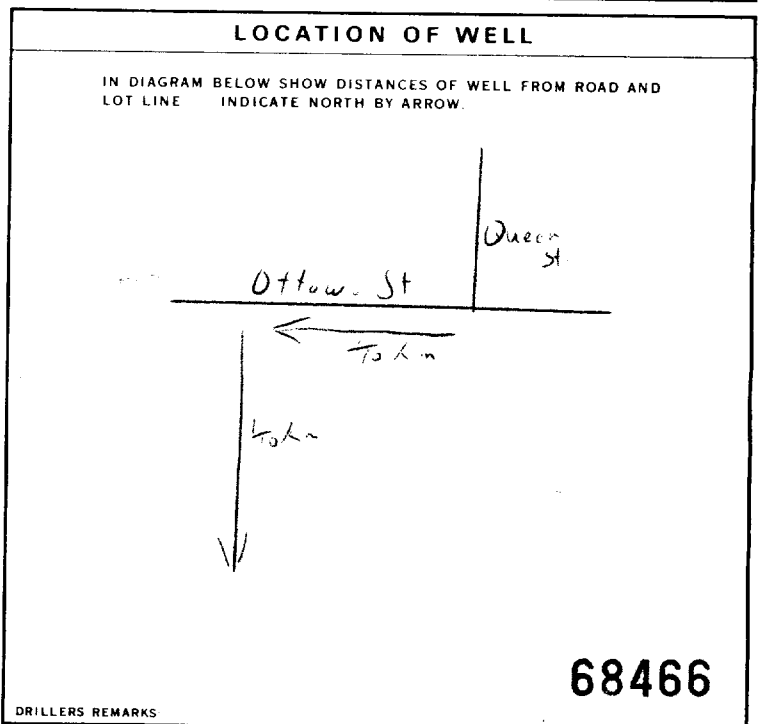
SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET

### 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>	
<i>26-29</i> to <i>30-33</i>	

### 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

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>Glennon</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

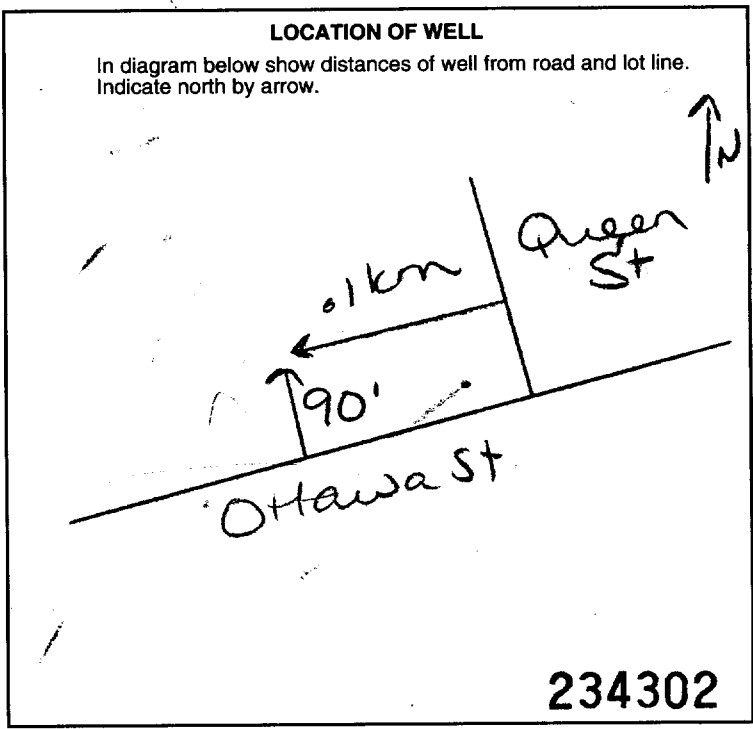
41 WATER RECORD	
Water found at - feet	Kind of water
<b>50</b>	<input checked="" type="checkbox"/> Fresh <input type="checkbox"/> Salty <input type="checkbox"/> Sulphur <input type="checkbox"/> Minerals <input type="checkbox"/> Gas
<b>53</b>	<input checked="" type="checkbox"/> Fresh <input type="checkbox"/> Salty <input type="checkbox"/> Sulphur <input type="checkbox"/> Minerals <input type="checkbox"/> Gas
<b>55</b>	<input checked="" type="checkbox"/> Fresh <input type="checkbox"/> Salty <input type="checkbox"/> Sulphur <input type="checkbox"/> Minerals <input type="checkbox"/> Gas

51 CASING & OPEN HOLE RECORD			Depth - feet	
Inside diam inches	Material	Wall thickness inches	From	To
<b>6 1/4</b>	<input checked="" type="checkbox"/> Steel <input type="checkbox"/> Galvanized <input type="checkbox"/> Concrete <input type="checkbox"/> Open hole <input type="checkbox"/> Plastic	<b>1088</b>	<b>0</b>	<b>33</b>
<b>8 3/4</b>	<input type="checkbox"/> Steel <input type="checkbox"/> Galvanized <input type="checkbox"/> Concrete <input checked="" type="checkbox"/> Open hole <input type="checkbox"/> Plastic		<b>0</b>	<b>31</b>
<b>6</b>	<input type="checkbox"/> Steel <input type="checkbox"/> Galvanized <input type="checkbox"/> Concrete <input checked="" type="checkbox"/> Open hole <input type="checkbox"/> Plastic		<b>31</b>	<b>63</b>

Sizes of opening (Slot No.)	Diameter inches	Length feet
Material and type	Depth at top of screen feet	

61 PLUGGING & SEALING RECORD		
<input checked="" type="checkbox"/> Annular space		<input type="checkbox"/> Abandonment
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 method <input checked="" type="checkbox"/> Pump <input type="checkbox"/> Bailer	Pumping rate <b>25</b> GPM	Duration of pumping <b>1</b> Hours <b>17</b> Mins
Static level <b>13</b> feet	Water level end of pumping <b>50</b> feet	Water levels during
		<input type="checkbox"/> Pumping <input checked="" type="checkbox"/> Recovery <b>13</b> feet (15 min) <b>13</b> feet (30 min) <b>13</b> feet (45 min) <b>13</b> feet (60 min)
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 <input type="checkbox"/> Shallow <input checked="" type="checkbox"/> Deep	Recommended pump setting <b>50</b> feet	Recommended pump rate <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>Arif Rock 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> day mo yr

MINISTRY USE ONLY	Data source <b>1119</b>	Date received <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.

11

1532446

Municipality  
**15701**

Con. 15 22 23 24

**93A 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>Glenlyn Homes</b>		First Name		Address <b>Richmond, ont</b>		Date completed <b>18 09 01</b>	

Zone Easting Northing RC Elevation RC Basin Code ii iii iv

**LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)**

General colour	Most common material	Other materials	General description	Depth - feet	
				From	To
	<b>Sandy clay</b>			<b>0</b>	<b>8</b>
<b>grey</b>	<b>limestone</b>			<b>8</b>	<b>82</b>

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

**41 WATER RECORD**

Water found at - feet	Kind of water
<b>62</b>	<b>Fresh NOT</b>
<b>71</b>	<b>Fresh TESTED</b>

**51 CASING & OPEN HOLE RECORD**

Inside diam inches	Material	Wall thickness inches	Depth - feet	
<b>6 1/4</b>	<b>Steel</b>	<b>188</b>	<b>0</b>	<b>22</b>
<b>9 3/4</b>	<b>Steel</b>		<b>0</b>	<b>20</b>
<b>6</b>	<b>Steel</b>		<b>20</b>	<b>82</b>

**SCREEN**

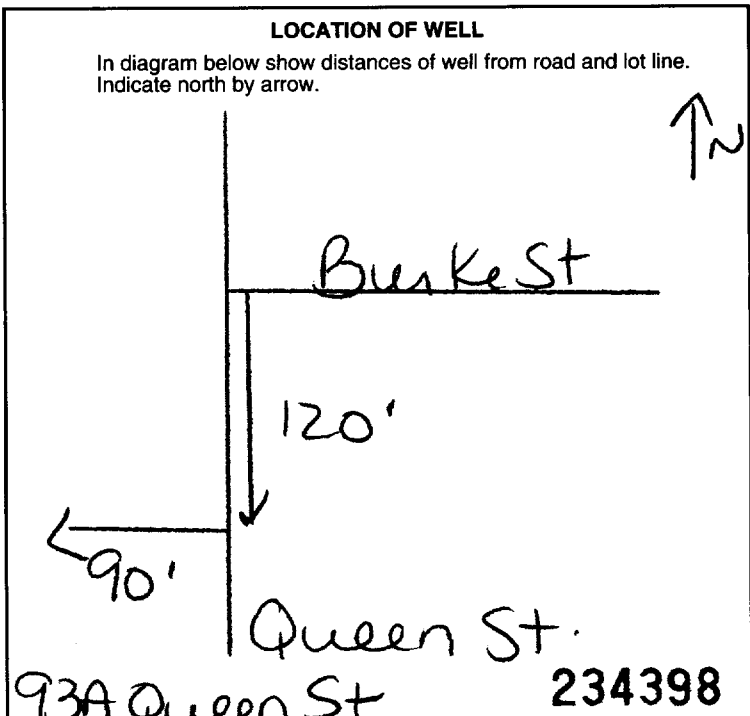
Sizes of opening (Slot No.)	Diameter inches	Length feet

**61 PLUGGING & SEALING RECORD**

Depth set at - feet	Material and type (Cement grout, bentonite, etc.)
<b>2 22</b>	<b>cement grout</b>

**71 PUMPING TEST**

Pumping test method <input checked="" type="checkbox"/> Pump	Pumping rate <b>8</b> GPM	Duration of pumping <b>1</b> Hours
Static level <b>14</b> feet	Water level during pumping <b>14</b> feet	Recovery <b>14</b> feet



**FINAL STATUS OF WELL**

Water supply

**WATER USE**

Domestic

**METHOD OF CONSTRUCTION**

Air percussion

Name of Well Contractor  
**Arkoeh Drilling Ltd**

Well Contractor's Licence No.  
**1119**

Name of Well Technician  
**Shannon Purcell**

Well Technician's Licence No.  
**T2122**

**MINISTRY USE ONLY**

Data source  
**1119**

Date received  
**NOV 02 2001**

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

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: Glenlyn; Address: 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 for General colour, Most common material, Other materials, General description, and Depth - feet (From, To)

Scales for 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50

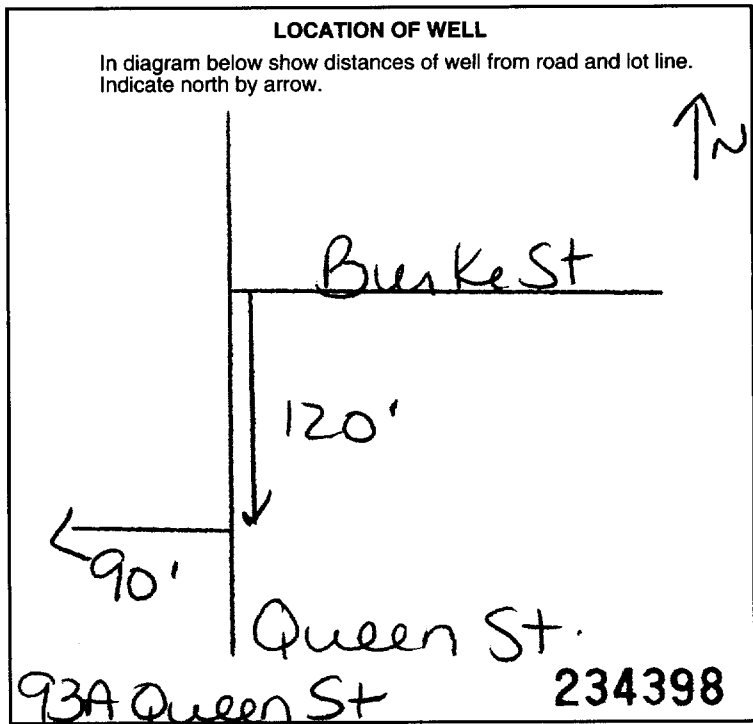
WATER RECORD table with columns for Water found at - feet and Kind of water

CASING & OPEN HOLE RECORD table with columns for Inside diam inches, Material, Wall thickness inches, and Depth - feet

SCREEN table with columns for Sizes of opening (Slot No.), Diameter inches, Length feet, and Material and type

PLUGGING & SEALING RECORD table with columns for Annular space, Abandonment, Depth set at - feet, and Material and type

PUMPING TEST table with columns for Pumping test method, Pumping rate, Duration of pumping, Water level end of pumping, Water levels during, Pump intake set at, Water at end of test, Recommended pump type, Recommended pump setting, Recommended pump rate



FINAL STATUS OF WELL table with checkboxes for Water supply, Observation well, Test hole, Recharge well, Abandoned, insufficient supply, Abandoned, poor quality, Abandoned (Other), Dewatering, Unfinished, Replacement well

WATER USE table with checkboxes for Domestic, Stock, Irrigation, Industrial, Commercial, Municipal, Public supply, Cooling & air conditioning, Not use, Other

METHOD OF CONSTRUCTION table with checkboxes for Cable tool, Rotary (conventional), Rotary (reverse), Rotary (air), Air percussion, Boring, Diamond, Jetting, Driving, Digging, Other

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 table with columns for Data source, Contractor, Date received, Date of inspection, Inspector, Remarks



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

11

1532447

Municipality 15701 Con. 14 15 22 23 24

95 Queen St

County or District: Ottawa (Carleton) Richmond; Township/Borough/City/Town/Village: Richmond; Con block tract survey, etc.: NA; Lot: NA; Owner's surname: Glennlyn Homes; First Name: Glennlyn; Address: Richmond, Ont; Date completed: 18/09/01

Zone: 21; Easting: 10-17; Northing: 18-24; RC: 25-30; Elevation: 30-31; Basin Code: ii; iii; iv

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 entries: Sand, boulders, grey limestone.

31 32

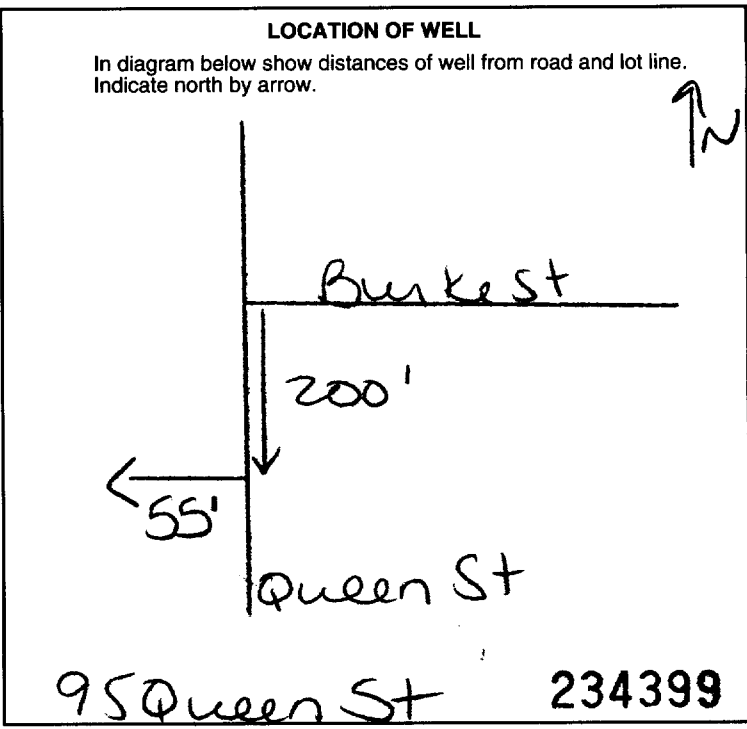
41 WATER RECORD. Water found at - feet: 58; Kind of water: Fresh, Salty, Sulphur, Minerals, Gas.

51 CASING & OPEN HOLE RECORD. Inside diam inches: 6 1/4, 8 3/4, 6; Material: Steel, Galvanized, Concrete, Open hole, Plastic; Wall thickness inches: 188; Depth - feet: 0-22, 0-20, 20-65.

SCREEN. Sizes of opening (Slot No.), Diameter inches, Length feet, Material and type, Depth at top of screen.

61 PLUGGING & SEALING RECORD. Annular space, Abandonment, Depth set at - feet, Material and type (Cement grout, bentonite, etc.). Handwritten: 2-22 Cement grout.

71 PUMPING TEST. Pumping test method: Pump; Pumping rate: 25 GPM; Duration of pumping: 1 Hour; Static level: 13 feet; Water level end of pumping: 55 feet; Water levels during: 15 min: 13, 30 min: 13, 45 min: 13, 60 min: 13.



FINAL STATUS OF WELL: Water supply checked; WATER USE: Domestic checked; METHOD OF CONSTRUCTION: Air percussion checked.

Name of Well Contractor: Airloch Drilling Ltd; Well Contractor's Licence No.: 1119; Address: RR#2 Jaoper, Ont; Name of Well Technician: Shannon Purcell; Well Technician's Licence No.: 12122; Signature of Technician/Contractor; Submission date: 08/10/01.

MINISTRY USE ONLY. Data source: 1119; Date received: NOV 02 2001; Date of inspection; Inspector; Remarks: OPS.ES1

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

11

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>		Date completed <b>18 09 01</b>	

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

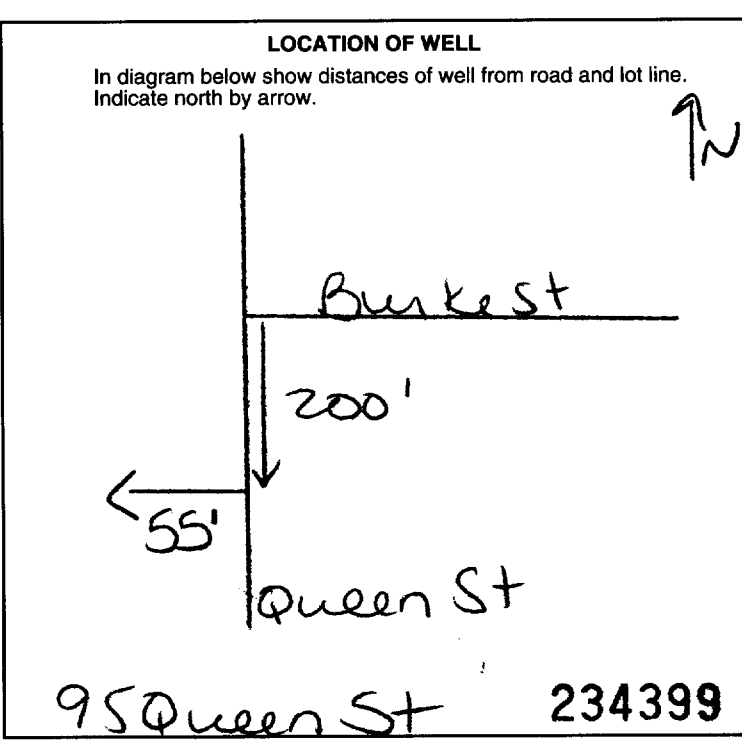
Water found at - feet	Kind of water
58	<input checked="" type="checkbox"/> Fresh <input type="checkbox"/> Salty <input type="checkbox"/> Sulphur <input type="checkbox"/> Minerals <input type="checkbox"/> Gas

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.)
2	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>

Data source <b>1119</b>	Contractor <b>1119</b>	Date received <b>NOV 02 2001</b>
Date of inspection	Inspector	
Remarks <b>OPS ES1</b>		



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. Questions regarding completing this application can be directed to the Water Well Management Coordinator at 416-235-6203. All metre measurements shall be reported to 1/10th of a metre. Please print clearly in blue or black ink only.

Ministry Use Only

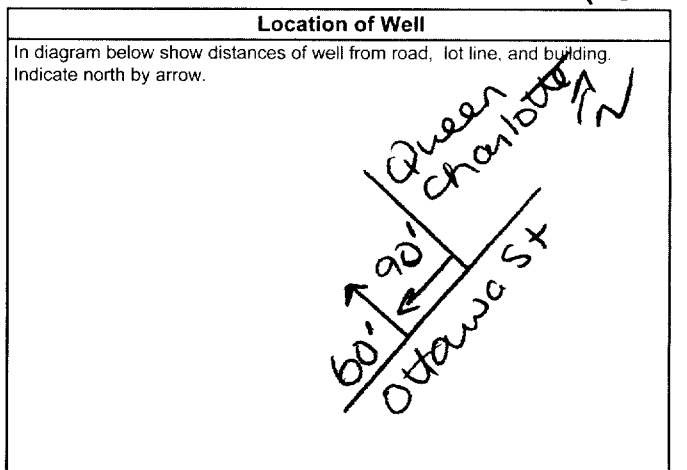
Address of Well Location (County/District/Municipality) Ottawa Carleton Township Goulbourn Lot 22 Concession 3 RR#/Street Number/Name 6291 Ottawa St City/Town/Village Site/Compartment/Block/Tract etc. Lot 112 Plan 4R1675 GPS Reading NAD Zone Easting Northing Unit Make/Model Mode of Operation: Undifferentiated 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.

Construction Record and Test of Well Yield sections. Includes Hole Diameter, Construction Record (Casing, Screen), Water Record, and Test of Well Yield table with pumping test method, draw down, and recovery data.

Plugging and Sealing Record section. Includes Depth set at, Material and type (Cement slurry), and Volume Placed (0.2724).



Method of Construction section. Includes Cable Tool, Rotary (air), Diamond, Digging, Rotary (conventional), Air percussion, Jetting, Other, Rotary (reverse), Boring, Driving.

Water Use section. Includes Domestic, Industrial, Public Supply, Other, Stock, Commercial, Not used, Irrigation, Municipal, Cooling & air conditioning.

Final Status of Well section. Includes Water Supply, Recharge well, Unfinished, Abandoned, (Other), Observation well, Abandoned, insufficient supply, Dewatering, Test Hole, Abandoned, poor quality, Replacement well.

Well Contractor/Technician Information section. Includes Name of Well Contractor (Ari-Rock Drilling Co Ltd), Well Contractor's Licence No. (1119), Business Address (RR#1 Richmond, Ont), Name of Well Technician (Shannon), Well Technician's Licence No. (T2122), Signature of Technician/Contractor, Date Submitted (2004 06 01).

Audit No. Z 04931, Date Well Completed (2004 05 11), Date Delivered (2004 05 12), Was the well owner's information package delivered? Yes.

Ministry Use Only section. Includes Data Source, Contractor (1119), Date Received (JUN 07 2004), Date of Inspection, Remarks, Well Record Number (1534653).

Instructions for Completing Form

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

Well Owner's Information and Location of Well Information

Ministry Use Only
MUN 15003 CON CON 03 LOT 21

Ottawa Carleton RR#/Street Number/Name: Ottawa Carleton Lot 7, Ottawa Street
Goulbourn City/Town/Village: Richmond
Site/Compartment/Block/Tract etc.: 21 3
GPS Reading: 8 3 18 43 43 11 50 03 249
Unit Make/Model: Garmin
Mode of Operation: Averaged

Log of Overburden and Bedrock Materials (see instructions)

Table with columns: General Colour, Most common material, Other Materials, General Description, Depth From, Metres To. Rows include Clay, Hardpan, Limestone, Stones, Boulders, Brown Layers, Packed, Medium.

Hole Diameter, Construction Record, Test of Well Yield, Water Record, Plugging and Sealing Record. Includes detailed data on casing materials, pumping test results, and well sealing.

Location of Well. Diagram showing Ottawa St., Joy Side Rd, and Lot 7. Includes audit number Z 13672 and completion date 2004 6 17.

Method of Construction, Water Use, Final Status of Well, Well Contractor/Technician Information. Details construction methods, intended water use, and contractor information.

Ministry Use Only. Data Source, Contractor 1558, Date Received SEP 10 2004, Well Record Number 1534958.



**A018985**

**A018985**

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- Questions regarding completing this application can be directed to the Water Well Management Coordinator at 416-235-6203.
- **All metre measurements shall be reported to 1/10<sup>th</sup> of a metre.**
- Please print clearly in blue or black ink only.

**Well Owner's Information and Location of Well Information**

MUN **15003** CON **CON** LOT **22**

RR#/Street Number/Name **OTTAWA CARLETON** City/Town/Village **GOULBURN** Site/Compartment/Block/Tract etc. **22 3**  
**#6299 OTTAWA STREET** **RICHMOND** **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**

Depth From	Metres To	Diameter Centimetres
<b>0</b>	<b>24.99</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 <input type="checkbox"/> Plastic <input type="checkbox"/> Concrete <input type="checkbox"/> Galvanized	<b>.48</b>	<b>0</b>	<b>7.31</b>
<b>Screen</b>				
Outside diam	<input type="checkbox"/> Steel <input type="checkbox"/> Fibreglass <input type="checkbox"/> Plastic <input type="checkbox"/> Concrete <input type="checkbox"/> Galvanized	Slot No.		
<b>No Casing or Screen</b>				
	<input checked="" type="checkbox"/> Open hole		<b>6.70</b>	<b>24.99</b>

**Test of Well Yield**

Pumping test method	Draw Down		Recovery	
	Time min	Water Level Metres	Time min	Water Level Metres
<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>	1	<b>5.54</b>	1	<b>17.98</b>
Duration of pumping <b>1</b> hrs + <b>0</b> min	2	<b>6.62</b>	2	<b>16.06</b>
Final water level end of pumping <b>22.88</b> metres	3	<b>7.50</b>	3	<b>14.73</b>
Recommended pump type. <input checked="" type="checkbox"/> Shallow <input type="checkbox"/> Deep	4	<b>8.06</b>	4	<b>13.32</b>
Recommended pump depth <b>21.33</b> metres	5	<b>8.97</b>	5	<b>11.83</b>
Recommended pump rate. <b>24.07</b> (litres/min)	10	<b>12.30</b>	10	<b>8.03</b>
If flowing give rate - (litres/min)	15	<b>14.60</b>	15	<b>3.88</b>
	20	<b>16.08</b>	20	<b>3.50</b>
	25	<b>17.09</b>	25	<b>3.35</b>
	30	<b>18.06</b>	30	<b>3.26</b>
	40	<b>19.87</b>	40	<b>3.14</b>
	50	<b>21.47</b>	50	<b>3.09</b>
	60	<b>22.88</b>	60	<b>3.04</b>

**Water Record**

Water found at **20.11** m Kind of Water  Fresh  Sulphur  Gas  Salty  Minerals  Other **NOT TESTED**

Water found at **22.55** m Kind of Water  Fresh  Sulphur  Gas  Salty  Minerals  Other **NOT TESTED**

After test of well yield, water was  Clear and sediment free  Other, specify **NOT TESTED**

Chlorinated  Yes  No

**Plugging and Sealing Record**  Annular space  Abandonment

Depth set at - Metres From	To	Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)
<b>6.70</b>	<b>0</b>	<b>NEAT CEMENT SLURRY</b>	<b>.2724</b>

**Method of Construction**

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

**Water Use**

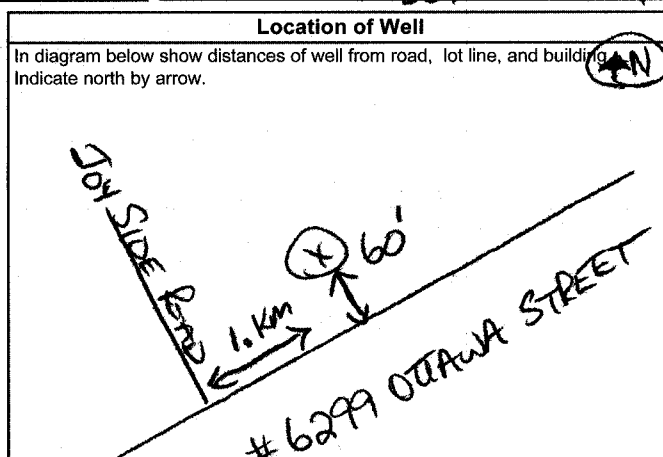
Domestic  Industrial  Public Supply  Other  
 Stock  Commercial  Not used  
 Irrigation  Municipal  Cooling & air conditioning

**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. **1119**  
 Business Address (street name, number, city etc.) **#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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- **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									
MUN								CON	LOT

Address of well Location (County/District/Municipality) **OTTAWA-CARLETON** Township **SOULBOURN** Section **22** Corner **3**

RR#/Street Number/Name **#91 QUEEN CHARLOTTE** City/Town/Village **RICHMOND** Site/Compartment/Block/Tract etc. **—**

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>Water Record</b>			<b>Screen</b>				<b>Test of Well Yield Data</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 Slot No.				Pump intake set at (metres) <b>21.33</b> Static Level <b>2.50</b> Recovery <b>13.41</b>					
After test of well yield, water was <input checked="" type="checkbox"/> Clear and sediment free <input type="checkbox"/> Other, specify <b>NOT TESTED</b>			<b>No Casing or Screen</b>				Pumping rate - (litres/min) <b>68.25</b> Duration of pumping <b>1</b> hrs + <b>0</b> min					
Chlorinated <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			<input checked="" type="checkbox"/> Open hole				Final water level end of pumping <b>13.41</b> metres Recommended pump type <input checked="" type="checkbox"/> Shallow <input type="checkbox"/> Deep					

**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 **YYYY MM DD**

Remarks Well Record Number

A 023019

A. 023019

**Instructions for Completing Form**

- For use in the **Province of Ontario** only. This document is a permanent **legal** document. Please retain for future reference.
- All Sections **must** be completed in full to avoid delays in processing. Further instructions and explanations are available on the back of this form.
- Questions regarding completing this application can be directed to the Water Well Management Coordinator at 416-235-6203.
- **All metre measurements shall be reported to 1/10<sup>th</sup> of a metre.**
- 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 **YYYY MM DD**

Remarks Well Record Number

**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>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>480</b>	<b>0</b>	<b>9.45</b>
<b>Screen</b>				
Outside diam	<input type="checkbox"/> Steel <input type="checkbox"/> Fibreglass <input type="checkbox"/> Plastic <input type="checkbox"/> Concrete <input type="checkbox"/> Galvanized	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>3.3</b>	Static Level <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 From	To	Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)
<b>8.84</b>	<b>5.79</b>	<b>Neat Cement Slurry</b>	<b>0.1816</b>
<b>5.79</b>	<b>0</b>	<b>Bentonite Slurry</b>	<b>0.123</b>

**Location of Well**

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

**#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**

**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**

**Ministry Use Only**

Data Source: Contractor **1119**  
 Date Received: **FEB 12 2007** DD Date of Inspection: **2007 01 22** YYYY MM DD  
 Remarks: \_\_\_\_\_ Well Record Number: \_\_\_\_\_

**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)

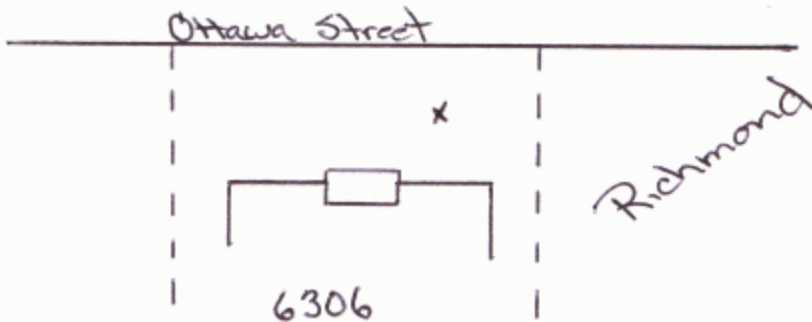
Test Hole  Abandoned, Poor Water Quality  Other, specify \_\_\_\_\_

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 (Metres)	Kind of Water
34.44	Not Tested
_____	<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

**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	E-mail Address	<input type="checkbox"/> Well Constructed by Well Owner
	Mattamy (Jack River) Limited.		
Mailing Address (Street Number/Name)	Municipality	Province	Postal Code
123 Huntmar Drive	Ottawa.	On.	K2S1B9
		Telephone No. (inc. area code)	6138253439

**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	K6A2Z0
UTM Coordinates	Zone	Easting	Northing
NAD 83	18	7550	47945° 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	150' High Yearly Cement	103	

Method of Construction		Well Use	
<input checked="" type="checkbox"/> Cable Tool	<input type="checkbox"/> Diamond	<input type="checkbox"/> Public	<input type="checkbox"/> Commercial
<input checked="" type="checkbox"/> Rotary (Conventional)	<input type="checkbox"/> Jetting	<input type="checkbox"/> Domestic	<input type="checkbox"/> Municipal
<input type="checkbox"/> Rotary (Reverse)	<input type="checkbox"/> Driving	<input type="checkbox"/> Livestock	<input checked="" type="checkbox"/> Test Hole
<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 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 7/8	Steel	1.88	0	150	

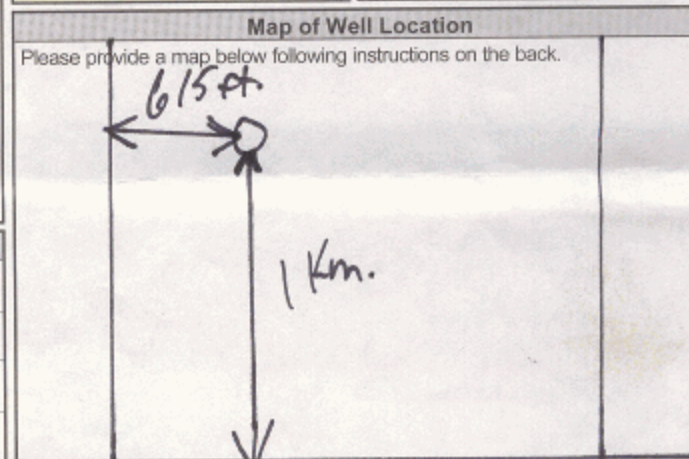
Construction Record - Screen				
Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)	
			From	To

Water Details		Hole Diameter	
Water found at Depth (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input checked="" type="checkbox"/> Untested	Depth (m/ft)	Diameter (cm/in)
73	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify	0	255
190	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify		10 7/8
210	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify		

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	Business E-mail Address	
Qc.	J0K2Y0	jrdrilling2@hotmail.com.	

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)	Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
6138609986	Moloug hney Bill	T050	Bill Moloug hney	20100310

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 rate (l/min / GPM)	50		50	
	60		60	
Disinfected? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				



Comments:

Well owner's information package delivered <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Date Package Delivered YYYYMMDD	Ministry Use Only Audit No. <b>2103267</b> APR 06 2010
	Date Work Completed 20100103	

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 Easting Northing **NAD 83 7550 47945 11081** 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 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)	
			From	To
10 7/8	Steel	1.88	0	150

**Status of Well**

Water Supply  Replacement Well  Test Hole  Recharge Well  Dewatering Well  Observation and/or Monitoring Hole  Alteration (Construction)  Abandoned, Insufficient Supply  Abandoned, Poor Water Quality  Abandoned, other, specify \_\_\_\_\_  Other, specify \_\_\_\_\_

**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 _____
190	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____
210	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____

**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) \_\_\_\_\_

Duration of pumping \_\_\_\_\_ hrs + \_\_\_\_\_ min

Final water level end of pumping (m/ft) \_\_\_\_\_

If flowing give rate (l/min / GPM) **200**

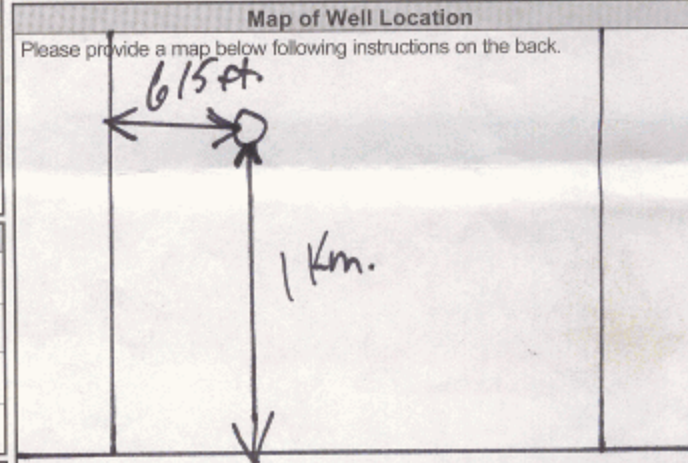
Recommended pump depth (m/ft) \_\_\_\_\_

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: \_\_\_\_\_

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: 18 Easting: 7550 Northing: 49645 Municipal Plan and Sublot Number: 11105 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
<u>Brown</u>	<u>Clay</u>		<u>Packed.</u>	<u>0</u>	<u>11'</u>
<u>black.</u>	<u>Shale.</u>		<u>soft</u>	<u>11</u>	<u>150'</u>
<u>black</u>	<u>Shale</u>			<u>150</u>	<u>180</u>
<u>white.</u>	<u>sandstone</u>			<u>188</u>	<u>198</u>
<u>black</u>	<u>shale</u>			<u>195</u>	<u>255</u>
<u>black.</u>	<u>granite</u>			<u>255</u>	<u>395</u>
				<u>395</u>	<u>405</u>

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: <u>0</u> To: <u>150'</u>	<u>High early Cement.</u>	<u>103</u>	

Method of Construction:  Rotary (Conventional)  Rotary (Reverse)  Boring  Air percussion  Other, specify \_\_\_\_\_

Well Use:  Public  Commercial  Not used  Domestic  Municipal  Dewatering  Test Hole  Monitoring  Livestock  Irrigation  Industrial  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	
<u>10 1/8"</u>	<u>Steel.</u>	<u>1.88"</u>	<u>0</u>	<u>150'</u>	

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)
<u>73</u>	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____	From: <u>150</u> To: <u>255</u>	<u>10 1/8"</u>
<u>190</u>	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____	<u>255</u> <u>455</u>	<u>6 1/8"</u>

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.

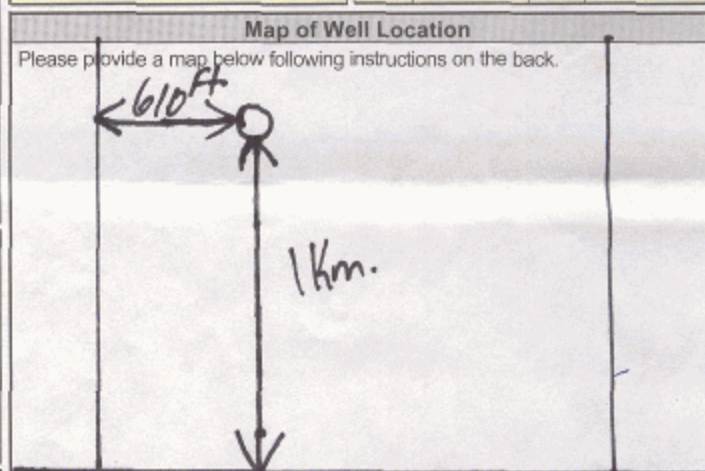
Business Address (Street Number/Name): 23 Mitchem Ro. Municipality: Clarendon

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: <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) <u>1</u> If flowing give rate (l/min / GPM) <u>100</u> 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: \_\_\_\_\_

Well owner's information package delivered <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Date Package Delivered: <u>Y Y Y Y M M D D</u>	Ministry Use Only Audit No.: <u>2103264</u> APR 06 2010
	Date Work Completed: <u>2009/1/19</u>	



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	7550472	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

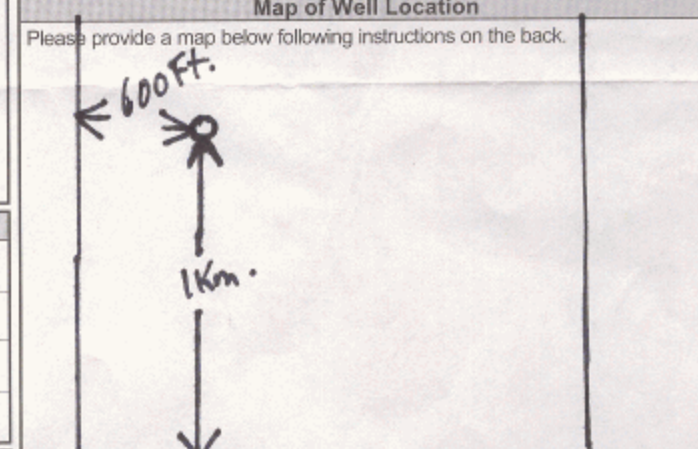
Construction Record - Casing				Status of Well	
Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		<input type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input checked="" type="checkbox"/> Test 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	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 To	
Water found at Depth	Kind of Water: <input type="checkbox"/> Fresh <input checked="" type="checkbox"/> Untested	26' 230'	6 1/8"
180 (m/ft)	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____		
Water found at Depth	Kind of Water: <input type="checkbox"/> Fresh <input checked="" type="checkbox"/> Untested		
225 (m/ft)	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____		

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	Business E-mail Address	
On	J0X2Y0	jrdrilling2@hotmail.com	
Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)		
6138609986	Bill Moloughney		
Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted	
T050	[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) <b>200</b> 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 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Date Package Delivered	<b>Ministry Use Only</b> Audit No. <b>Z103266</b> <b>APR 06 2010</b> Received
	Date Work Completed	
	Y Y Y Y M M D D	
	2009/220	

Measurements recorded in:  Metric  Imperial

**Well Owner's Information**

First Name: \_\_\_\_\_ Last Name / Organization: **Inverness Homes** E-mail Address: \_\_\_\_\_  Well Constructed by Well Owner

Mailing Address (Street Number/Name): **72 Wilderness Way** Municipality: **Stittsville** Province: **ON** Postal Code: **K2S 2E3** Telephone No. (inc. area code): \_\_\_\_\_

**Well Location**

Address of Well Location (Street Number/Name): **38 Doctor Neelin Drive** Township: **Goulbourn** Lot: **25** Concession: **4**

County/District/Municipality: **Ottawa-Carleton** City/Town/Village: **Richmond** Province: **Ontario** Postal Code: \_\_\_\_\_

UTM Coordinates Zone: **18** Easting: **434259** Northing: **5003629** Municipal Plan and Sublot Number: **4M-1183** Other: **S/L 48**

**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
Grey	Clay			0'	41'
	Gravel			41'	47'
Grey	Limestone			47'	128'
Grey	Limestone	<b>+</b>	<b>Sandstone Mix</b>	128'	192'
Grey & White	Sandstone			192'	251'
Grey & White	Sandstone			251'	260'

**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: 58' To: 48'	Neat cement	10.9
From: 48' To: 0'	Bentonite slurry	25.2

**Method of Construction**

Cable Tool  Diamond  Rotary (Conventional)  Jetting  Rotary (Reverse)  Driving  Boring  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	
6 1/4"	Steel	.188"	+2'	58'	<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 _____
6"	Open Hole		58'	260'	

**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	Depth (m/ft)	Diameter (cm/in)
251' (m/ft)	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____	From: 58' To: 58'	9 3/4"
		From: 58' To: 260'	6"

**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): **6659 Franktown Road, RR#1** Municipality: **Richmond**

Province: **ON** Postal Code: **K0A 2Z0** Business E-mail Address: **air-rock@sympatico.ca**

Bus. Telephone No. (inc. area code): **6138382170** Name of Well Technician (Last Name, First Name): **Graham, Ryan**

Well Technician's Licence No.: **T3484** Signature of Technician and/or Contractor: \_\_\_\_\_ Date Submitted: **2014 03 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): **250**

Pumping rate (l/min / GPM): **20**

Duration of pumping: **1** hrs + **0** min

Final water level end of pumping (m/ft): **44.4"**

If flowing give rate (l/min / GPM): **X**

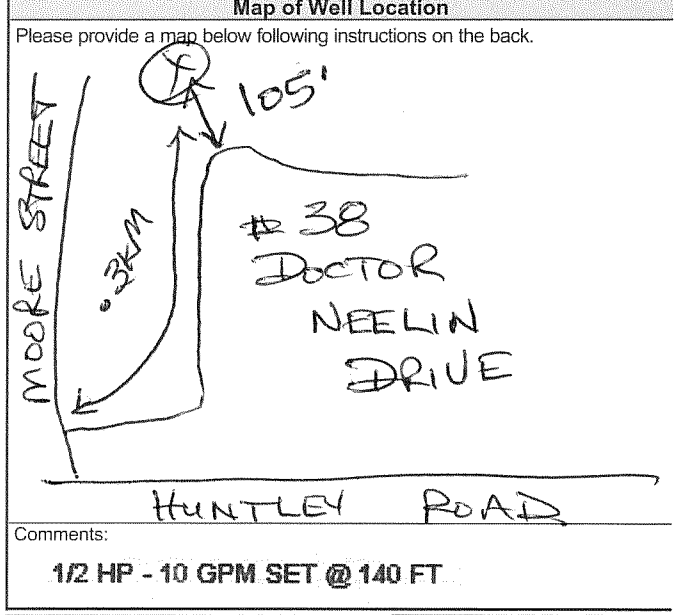
Recommended pump depth (m/ft): **140'**

Recommended pump rate (l/min / GPM): **20**

Well production (l/min / GPM): **20 +**

Disinfected?  Yes  No

Time (min)	Draw Down		Recovery	
	Water Level (m/ft)	Time (min)	Water Level (m/ft)	Time (min)
Static Level	12.8'		44.4"	
1	18.4	1	31.7	
2	20.6	2	28.4	
3	22.4	3	21.8	
4	26.8	4	17.4	
5	28.9	5	14.7	
10	32.6	10	12.8	
15	36.5	15	12.8	
20	40.8	20	12.8	
25	42.6	25	12.8	
30	43.7	30	12.8	
40	44	40	12.8	
50	44.2	50	12.8	
60	44.4"	60	12.8"	



Comments: **1/2 HP - 10 GPM SET @ 140 FT**

Well owner's information package delivered:  Yes  No

Date Package Delivered: **2014 03 07**

Date Work Completed: **2014 03 05**

**Ministry Use Only**

Audit No.: **Z 166831**

Received: **APR 28 2014**

## 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: 7263021

Well Audit Number: Z171379

Well Tag Number: A169639

*This table contains information from the original well record and any subsequent updates.*

### Well Location

<b>Address of Well Location</b>	113 FORTUNE ST
<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: 434504.00 Northing: 5003500.00
<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
----------------	----------------------	-----------------	---------------------	------------	----------

## 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
------------------------	----------

Domestic

## Status of Well

Water Supply

## Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
-----------------	-----------------------	------------	----------

## Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To
------------------	----------	------------	----------

## Well Contractor and Well Technician Information

Well Contractor's Licence Number: 6364

## Results of Well Yield Testing

---

After test of well yield, water was

---

If pumping discontinued, give reason

---

Pump intake set at

---

Pumping Rate

---

Duration of Pumping

---

Final water level

---

If flowing give rate

---

Recommended pump depth

---

Recommended pump rate

---

Well Production

---

Disinfected?

---

## Draw Down & Recovery

---

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
---------------------	-----------------------	--------------------	----------------------

---

SWL

1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
45		45	
50		50	
60		60	

## Water Details

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Water Found at Depth	Kind
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---

Untested

Untested

Untested

### Hole Diameter

Depth From	Depth To	Diameter
---------------	-------------	----------

**Audit Number:** Z171379

**Date Well Completed:** April 28, 2016

**Date Well Record Received by MOE:** May 18, 2016

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



## Results of Well Yield Testing

After test of well yield, water was	CLEAR
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	15.15 ft
If flowing give rate	
Recommended pump depth	80 ft
Recommended pump rate	10 GPM
Well Production	
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  
92 ft

Untested

### 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
	BLDR	HPAN		0 ft	14 ft
GREY	LMSN			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
------------------	----------	------------	----------

## 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
If pumping discontinued, give reason	
Pump intake set at	
Pumping Rate	4 GPM
Duration of Pumping	1 h:0 m
Final water level	38 ft
If flowing give rate	
Recommended pump depth	
Recommended pump rate	
Well Production	PUMP
Disinfected?	

## 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

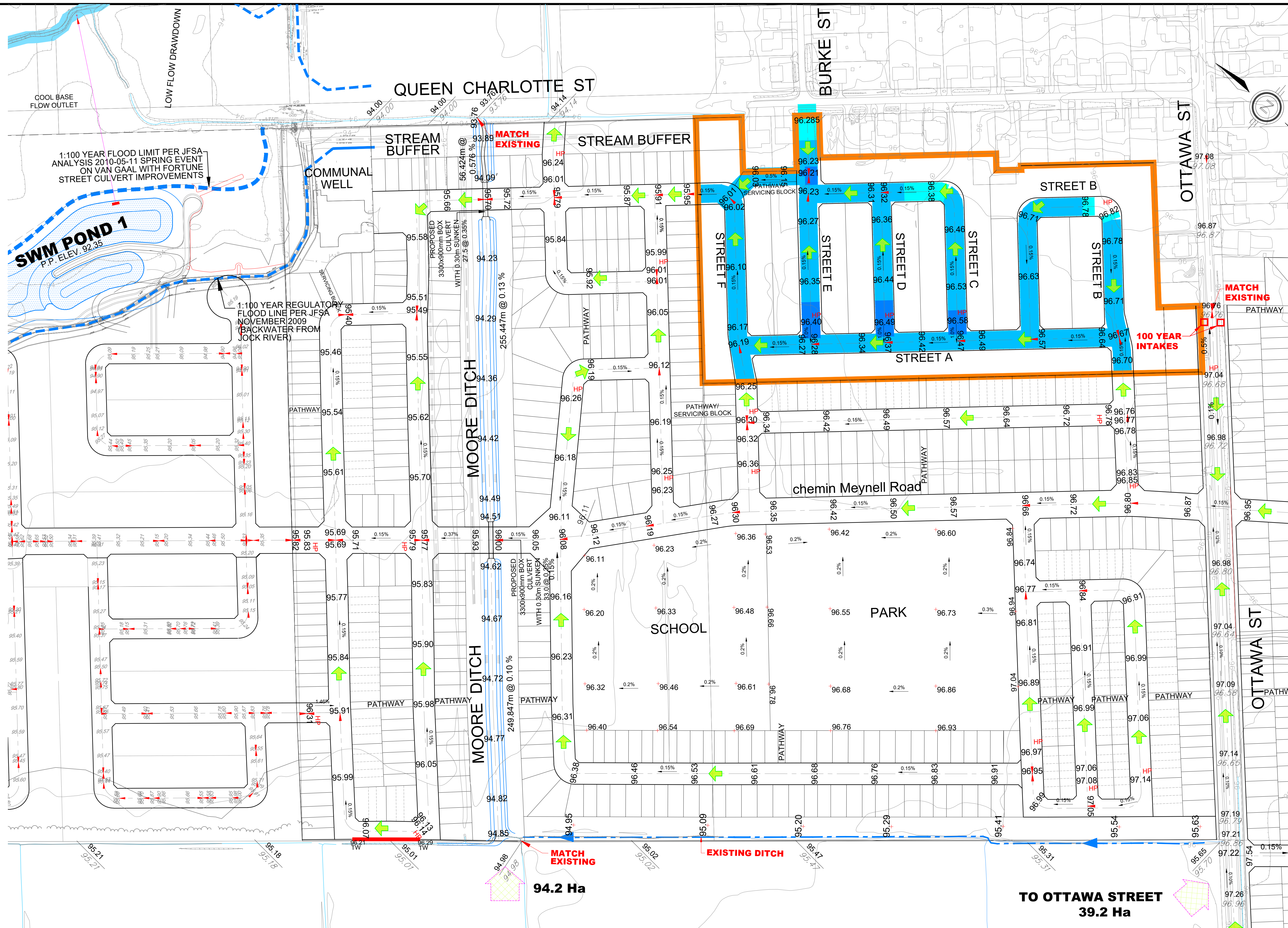
Depth From	Depth To	Diameter
---------------	-------------	----------

**Audit Number:**

**Date Well Completed:** June 11, 1958

**Date Well Record Received by MOE:** August 05, 1958

Updated: January 24, 2020

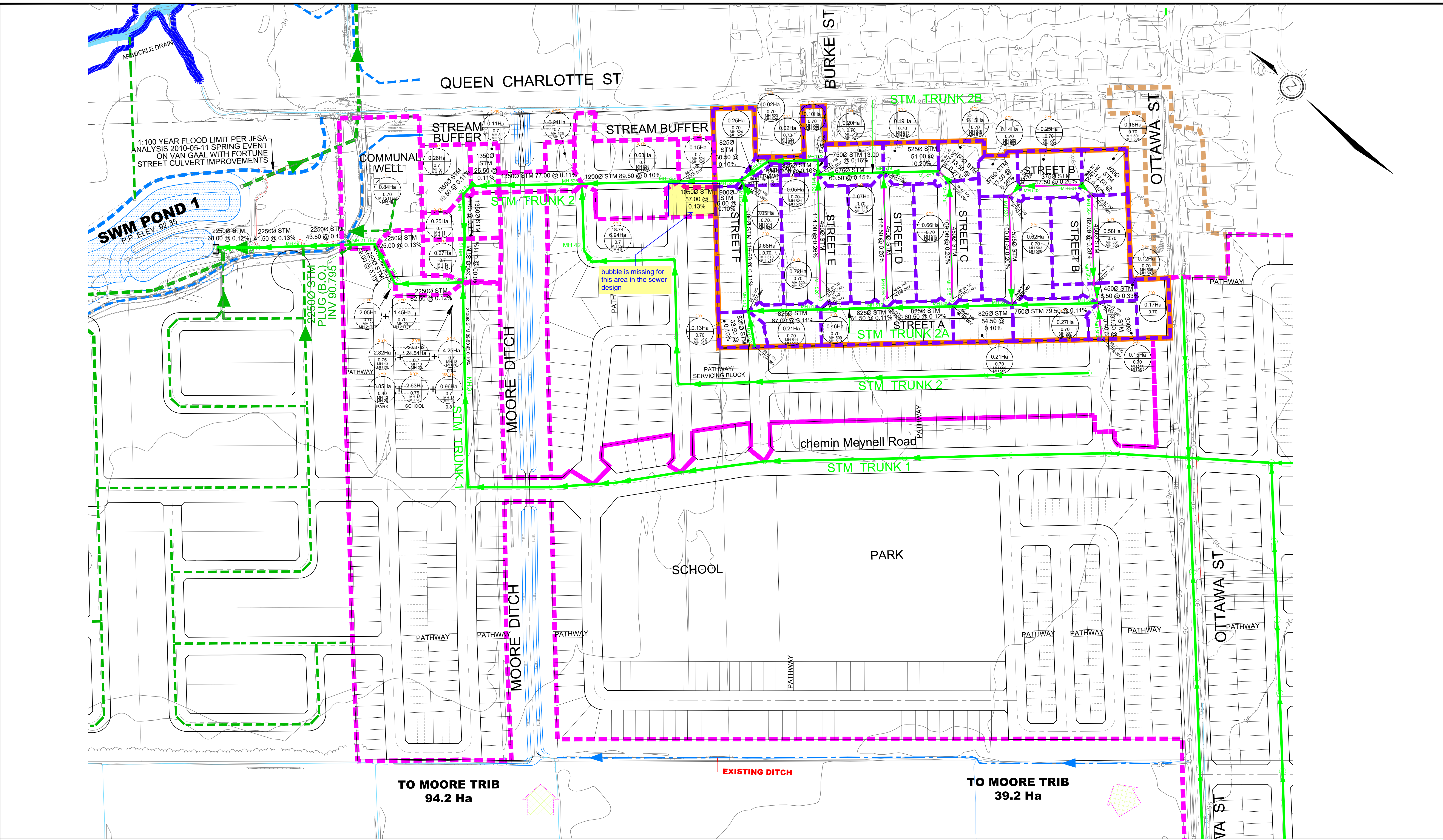


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CAIVAN RICHMOND LAFFIN  
 GRADING PLAN  
 CITY OF OTTAWA

LEGEND			
	STUDY LIMIT		
	EXISTING DITCH		
	EXISTING ELEVATION CONTOUR		
	MAJOR OVERLAND FLOW		
	EXTERNAL DRAINAGE		
	EMERGENCY OVERLAND FLOW		
	CUT-FILL DEPTH ALONG CENTER LINE: CUT DEPTH (m)      FILL DEPTH (m)		
	0.00-0.50:		0.00-0.50:
	0.50-1.00:		0.50-1.00:
	1.00-1.50:		1.00-1.50:
	1.50-2.00:		1.50-2.00:
	>2.00		>2.00

PROJECT No.: 20-1184  
 DATE: June 2020  
 SCALE: 1:1500  
 DRAWING: 1B



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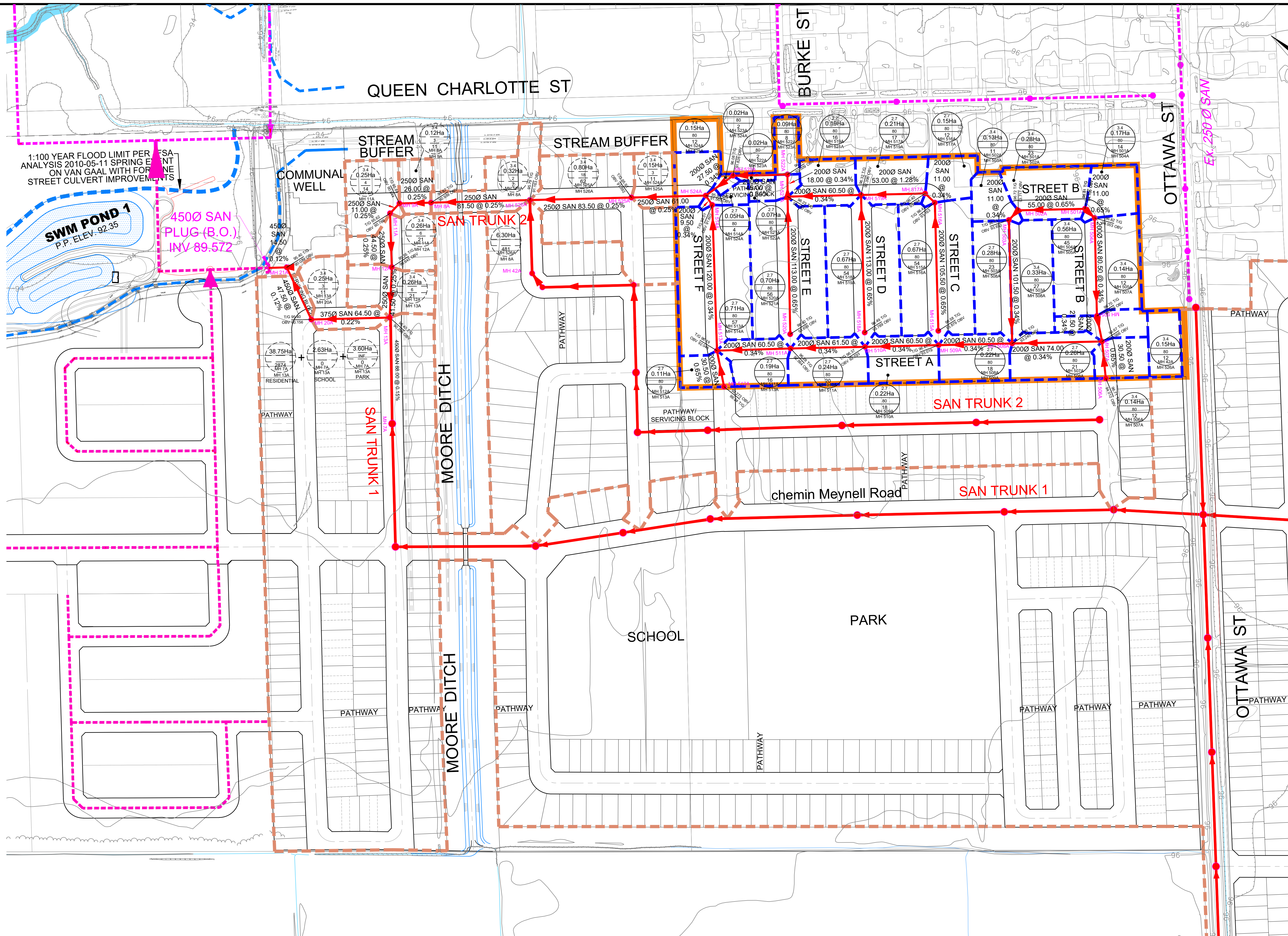
CAIVAN RICHMOND LAFFIN  
 STORM SERVICING PLAN  
 CITY OF OTTAWA

LEGEND

- STUDY LIMIT
- EXISTING DITCH
- STORM TRIBUTARY AREA
- EXTERNAL STORM TRIBUTARY AREA
- STORM TRUNK
- LOCAL STORM SEWER
- STORM TRUNK BY OTHERS
- STORM FREQUENCY DRAINAGE AREA RUN-OFF COEFFICIENT UPSTREAM/DOWNSTREAM MANHOLE
- STORM FREQUENCY EXTERNAL DRAINAGE AREA RUN-OFF COEFFICIENT UPSTREAM/DOWNSTREAM MANHOLE
- EXTERNAL DRAINAGE
- 100 YEAR INTAKE AREA

PROJECT No.: 20-1184  
 DATE: June 2020  
 SCALE: 1:1500  
 DRAWING: 2





1:100 YEAR FLOOD LIMIT PER  
ANALYSIS 2010-05-11 SPRING EVENT  
ON VAN GAAL WITH FORTUNE  
STREET CULVERT IMPROVEMENTS

**SWM POND 1**  
P.P. ELEV. 92.35

4500 SAN  
PLUG (B.O.)  
INV/ 89.572

COMMUNAL  
WELL

STREAM BUFFER

STREAM BUFFER

SAN TRUNK 2

MOORE DITCH

MOORE DITCH

SCHOOL

PARK

chemin Meynell Road

SAN TRUNK 2

SAN TRUNK 1

OTTAWA ST

QUEEN CHARLOTTE ST

BURKE ST

OTTAWA ST

EX-250 @ SAN



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CAIVAN RICHMOND LAFFIN  
SANITARY SERVICING PLAN  
CITY OF OTTAWA

LEGEND

- STUDY LIMIT
  - SANITARY DRAINAGE BOUNDARY
  - EXTERNAL SANITARY DRAINAGE BOUNDARY
  - PROPOSED SANITARY SEWER
- 3.4  
1.63Ha  
60  
98  
MT 72  
MT 74

3.4  
1.63Ha  
60  
98  
MT 74  
MT 75A
- POPULATION PER UNIT  
SANITARY DRAINAGE AREA  
NUMBER OF UNITS  
TOTAL POPULATION  
UPSTREAM/DOWNSTREAM MANHOLE

PROJECT No.:	20-1184
DATE:	June 2020
SCALE:	1:1500
DRAWING:	3

