

July 10, 2020
PH4034-LET.01

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K2H 1B2

Geotechnical Engineering
Environmental Engineering
Hydrogeology
Geological Engineering
Materials Testing
Building Science
Archaeological Services

www.patersongroup.ca

Attention: Mr. Zeyad Hassan

**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 1×10^{-5} to 1×10^{-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 1×10^{-6} to 1×10^{-10} m/sec and is dependant on the variability of the deposit. The values for dolostone bedrock range from 1×10^{-6} to 1×10^{-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)
- Δh = 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 Paracel Laboratories Ltd. This package includes; alkalinity, bacteria, colour, conductivity, pH, hardness, IC anions, NH₃, 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

1 of 1

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	50	100
0	99.77									
	99.6	200 mm TOPSOIL								
		Compact to dense, grey and brown SANDY SILT (ML)			BS	1				
1					BS	2				
	98.0				BS	3				
2	97.6	Dense, grey sandy silt, trace gravel, occasional cobbles: TILL (ML)			BS	4				
		End of Borehole								
		Refusal on Inferred Bedrock								
3										
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 _____

DATUM _____ Local

TEST PIT RECORD

1 of 1

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 RQD	50100150200 Wp W W_L											
0	100.67								WATER CONTENT & ATTERBERG LIMITS DYNAMIC PENETRATION TEST, BLOWS/0.3m * STANDARD PENETRATION TEST, BLOWS/0.3m •											
	100.4	230 mm TOPSOIL																		
		Compact to dense, brown and grey SANDY SILT (ML)			BS	1														
1																				
2	98.7				BS	3														
		End of Borehole																		
		Refusal on Inferred Bedrock																		
3																				
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 _____



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

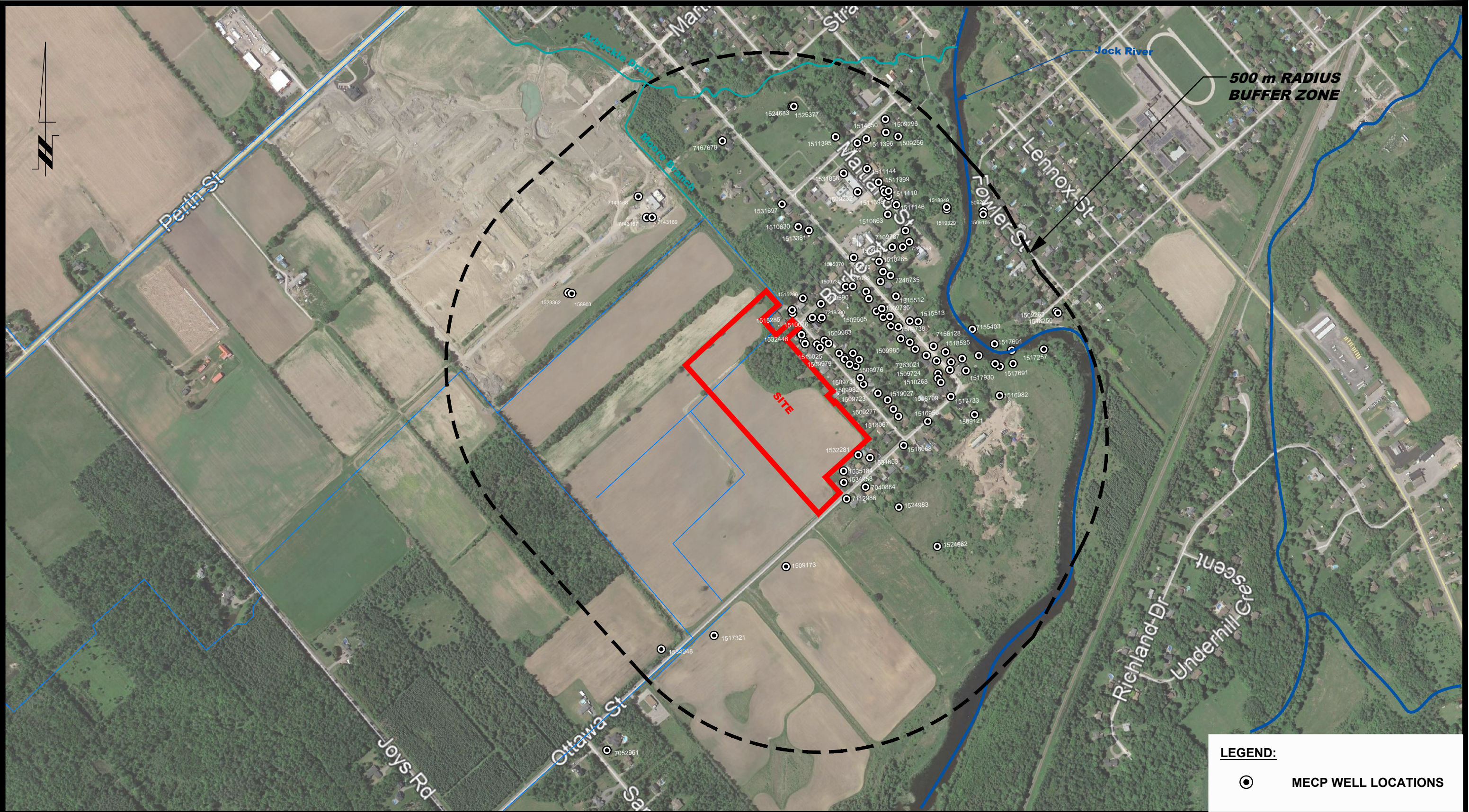
OTTAWA, ONTARIO

Title:

SITE PLAN

Scale:	1:2500	Date:	06/2020
Drawn by:	YA	Report No.:	PH4034-LET.01
Checked by:	EA	Dwg. No.:	PH4034-1
Approved by:	MK	Revision No.:	

p:\autocad drawings\hydrogeology\p4034\p4034-1-site plan.dwg



500 m RADIUS
BUFFER ZONE

LEGEND:
● MECP WELL LOCATIONS

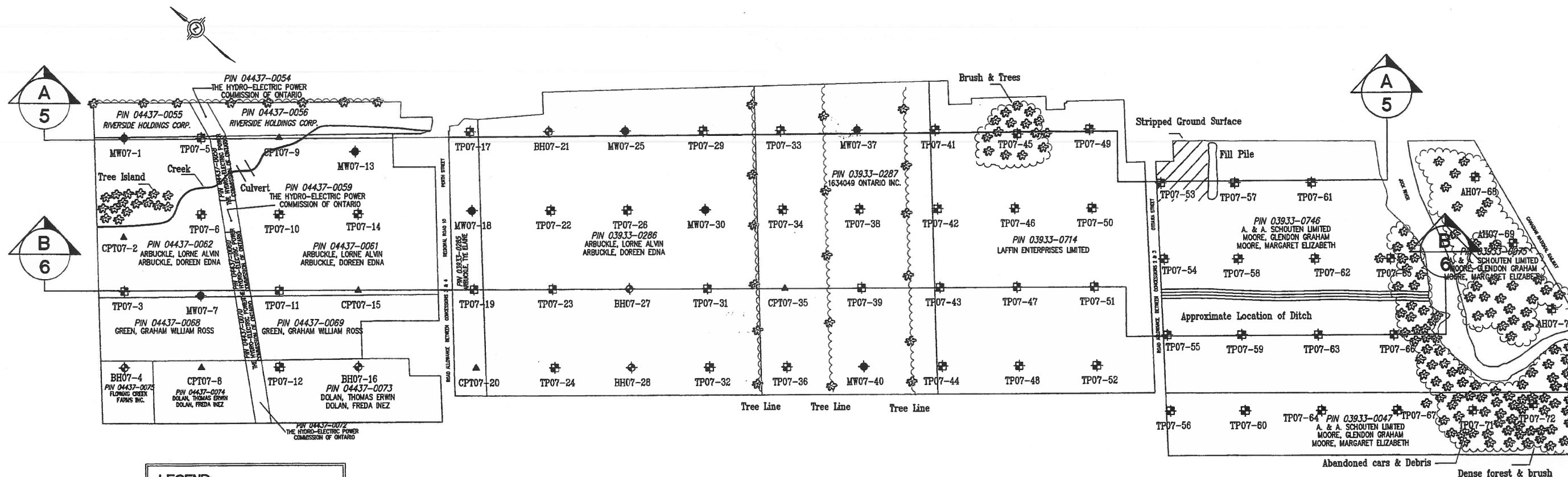
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NO.	REVISIONS	DATE	INITIAL

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

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



P:\2007\1026929\Geotech\1026929-2.dwg PRINTED: Jun 22, 2007

Reference:	Job No.: 1026929
Baseline Provided by J.D. Barnes Ltd.	Scale: 1 : 8000
Dwg. No. 07-10-724-00	Date: 07/06/22
Date: April 21, 2007	Dwn. By: EAG
	App'd By:

Client:	MATTAMY HOMES
Site Address	VILLAGE OF RICHMOND OTTAWA, ONTARIO

GEOTECHNICAL INVESTIGATION
FOR RESIDENTIAL SUBDIVISION

TEST HOLE LOCATION

Dwg. No.:
2





Ontario

Ministry of
the Environment

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

A 051525

A051525

Well Record

Regulation 903 Ontario Water Resources Act

Page _____ of _____

Well Owner's Information

First Name	Last Name	E-mail Address	☐ Well Constructed by Well Owner
Davax Construction Ltd.			
Mailing Address (Street Number/Name, RR)	Municipality	Province	Postal Code
451-1 Bethune Dr. N.	Gravenhurst	Ontario	P 1 P 1 B 8 705 687 0065

Part A Construction and/or Major Alteration of a Well

Address of Well Location (Street Number/Name, RR)	Township	Lot	Concession
6306 Ottawa Street	Coulbourn	21	2
County/District/Municipality	City/Town/Village	Province	Postal Code
Ottawa Carleton	Richmond	Ontario	
UTM Coordinates	Zone	Easting	Northing
NAD 83	18	434316	5003216
GPS Unit Make	Model	Mode of Operation:	☐ Undifferentiated ☒ Averaged
Garmin		☐ 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	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	To	Type of Sealant Used (Material and Type)	Volume Placed (Cubic Metres)
8.68	0	Grouted Cement	.027m ³

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 + 0 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)		Draw Down		Recovery	
		Time (Min)	Water Level (Metres)	Time (Min)	Water Level (Metres)
		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

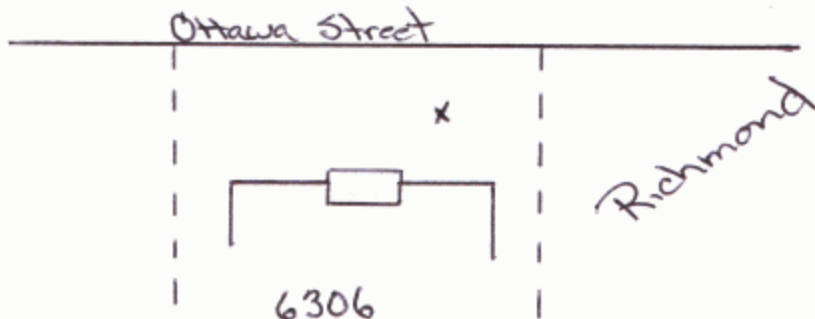
☐ Cable Tool	☐ Diamond	☐ Public	☐ Commercial	☐ Not used
☐ Rotary (Conventional)	☐ Jetting	☒ Domestic	☐ Municipal	☐ Dewatering
☐ Rotary (Reverse)	☐ Driving	☐ Livestock	☐ Test Hole	☐ Monitoring
☒ Rotary (Air)	☐ Digging	☐ Irrigation	☐ Cooling & Air Conditioning	
☒ Air percussion	☐ Boring	☐ Industrial		
☐ Other, specify _____		☐ Other, specify _____		

Water Use

☒ 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 ☐ Gas	☐ Fresh ☐ Salty ☐ Sulphur ☐ Minerals
Water found at Depth	Kind of Water
Metres ☐ Gas	☐ Fresh ☐ Salty ☐ Sulphur ☐ Minerals
Water found at Depth	Kind of Water
Metres ☐ Gas	☐ Fresh ☐ Salty ☐ Sulphur ☐ Minerals

Casing Used

Screen Used

Casing and Well Details

☐ Galvanized	☐ Galvanized	Diameter of the Hole (Centimetres)
☒ Steel	☐ Steel	15.23
☐ Fibreglass	☐ Fibreglass	Depth of the Hole (Metres)
☐ Plastic	☐ Plastic	37.48
☐ Concrete	☐ Concrete	Wall Thickness (Metres)
		0.48
☐ Open Hole		Inside Diameter of the Casing (Metres)
Disinfected?		15.86
☒ Yes ☐ No		Depth of the Casing (Metres)
		= .45 to 8.68

Ministry Use Only

Audit No.	Well Contractor No.
z 77377	
Date Received (yyyy/mm/dd)	Date of Inspection (yyyy/mm/dd)
Oct 14 2008	
Remarks	

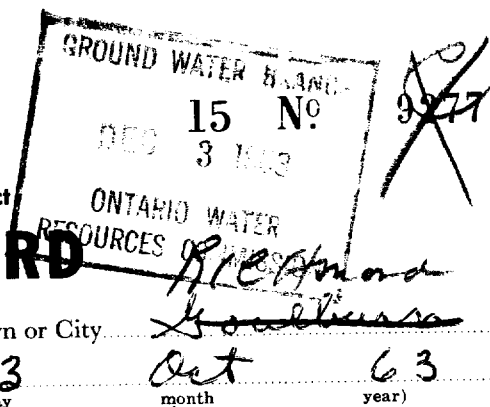
Date Well Completed (yyyy/mm/dd)	Was the well owner's information package delivered? ☒ Yes ☐ No	Date the Well Record and Package Delivered to Well Owner (yyyy/mm/dd)
2008/06/16		2008/06/18

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Capital Water Supply Ltd.	1 5 5 8
Business Address (Street No./Name, number, RR)	Municipality
Box 490	Stittsville
Province	Postal Code
Ontario	K 2 S 1 A 6
Business E-mail Address	
office@capitalwater.ca	
Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)
6 13 836 1766	Miller, Stephen
Well Technician's Licence No.	Signature of Technician
0 0 9 7	
0506E (11/2006)	Date Submitted (yyyy/mm/dd)
	2008/06/20

Ministry's Copy

319/4f. "A"



UTM 1182 434320 F

5R 5003160N

The Ontario Water Resources Commission Act

Elev. 4R 03110

WATER WELL RECORD

Basin 25
County or District

Carl

Township Village, Town or City

Richmond
Boulton

Con. #1

Lot

Date completed

23
(day)Oct
month63
year

Richmond Ont

Casing and Screen Record

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

Pumping Test

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

Well Log

Overburden and Bedrock Record

gravel & boulders
 blue limestone

Water Record

From
ft.To
ft.Depth(s) at
which water(s)
foundKind of water
(fresh, salty,
sulphur)0
1919
5840
57fresh
"

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

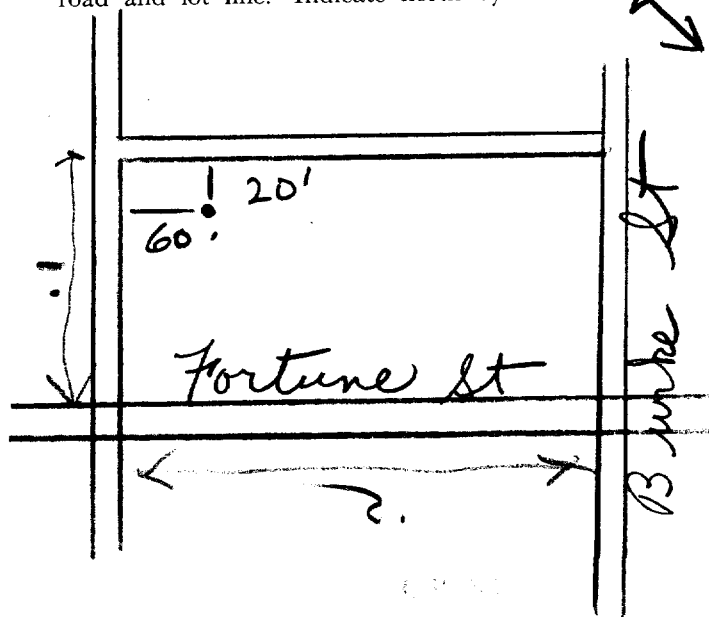
Date

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.

4-5003195 CODED



Water management in Ontario

1509723

3 9

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.

111

Lot

23

Date completed

4

Dec

1968

Owner

Julia Constr Ltd
(print in block letters)

Address

Richmond Ont

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

Overburden and Bedrock Record

hardpan & boulders
 limestone

From
ft.To
ft.Depth(s) at
which water(s)
foundKind of water
(fresh, salty,
sulphur)

0

10'

60

fresh

10'

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

2857

Name of Driller or Borer

B Acres

Address

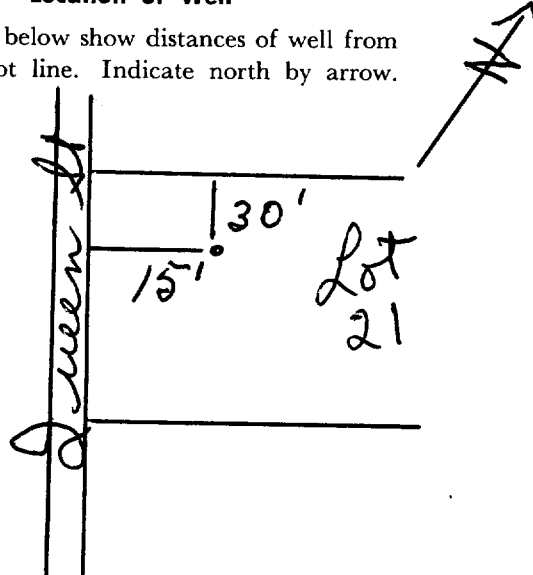
Date

4 Dec 1968

Therese 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



Water management in Ontario

1509724

B

Elev. 4 0308

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

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

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 Acres

Address

Date

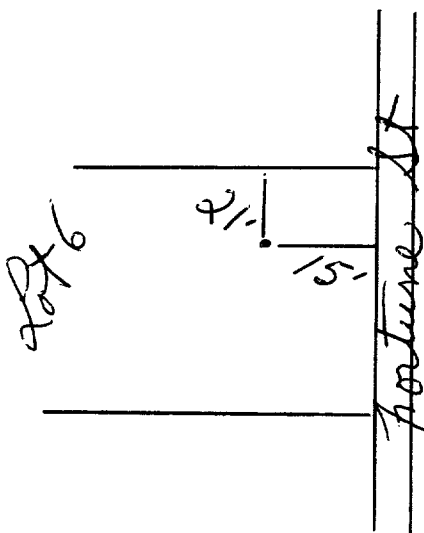
Nov 1968

Shalter 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 118-434475

433003250

CODED



Water management in Ontario

1509725

3 9

B

Elev. 4 0307

The Ontario Water Resources Commission Act

WATER WELL RECORD

Basin 251 Carleton

County or District

Township, Village, Town or City

Richmond

Con. 11 Lot 23

Date completed

26 Nov 1968

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 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

clay & boulders

limestone

From ft.

To ft.

Depth(s) at which water(s) found

Kind of water (fresh, salty, sulphur)

0'

23'

54

fresh

23'

55'

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

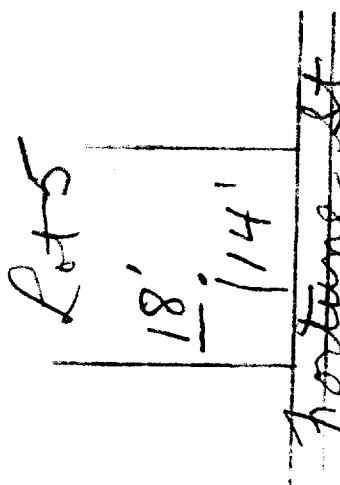
Date Nov 26 1968

Halter 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.



18-434325
4-50-03415
4-0308

CODED



Water management in Ontario

1509726

The Ontario Water Resources Commission Act

WATER WELL RECORD

County or District

Carleton

Township, Village, Town or City

Richmond

Con.

Lot

23

Date completed

18

Nov

1968

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

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

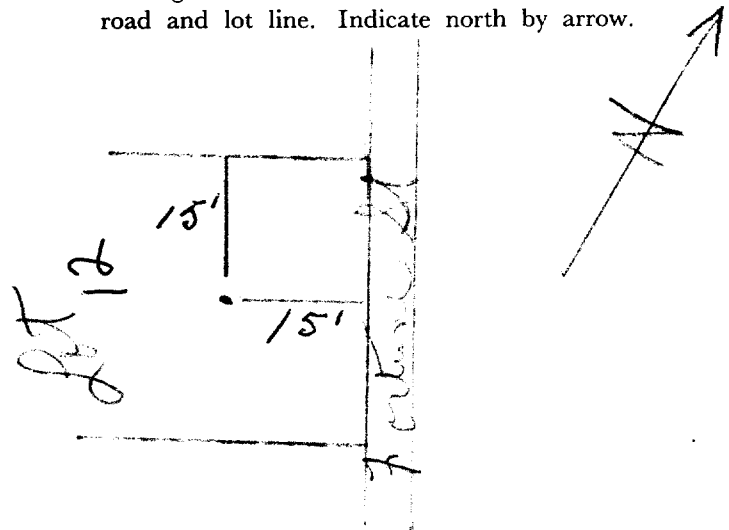
Address

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.



Form 7

OWRC COPY

CSS 59

JTW 18-434380

43 59 031757

lev. 4 59 0312

asin 257

CODE



1509727

Water management in Ontario

The Ontario Water Resources Commission Act

WATER WELL RECORD

JAN 8 1968

County or District

Carleton

Township, Village, Town or City

Richmond

Con.

Lot

23

Date completed

14

(day)

Nov

month

1968

year

Owner

Julia Construction Ltd.

(print in block letters)

Address

Richmond Ont.

Casing and Screen Record

Pumping Test

Inside diameter of casing

5

Total length of casing

20'

Type of screen

Length of screen

Depth to top of screen

Diameter of finished hole

5"

Static level

4

Test-pumping rate

10

G.P.M.

Pumping level

6

Duration of test pumping

1 hr

Water clear or cloudy at end of test

Recommended pumping rate

5

G.P.M.

with pump setting of

30

feet below ground surface

Well Log

Water Record

Overburden and Bedrock Record

From
ft.To
ft.Depth(s) at
which water(s)
foundKind of water
(fresh, salty,
sulphur)sandy clay
limestone

0'

6'

62

fresh

6

63

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

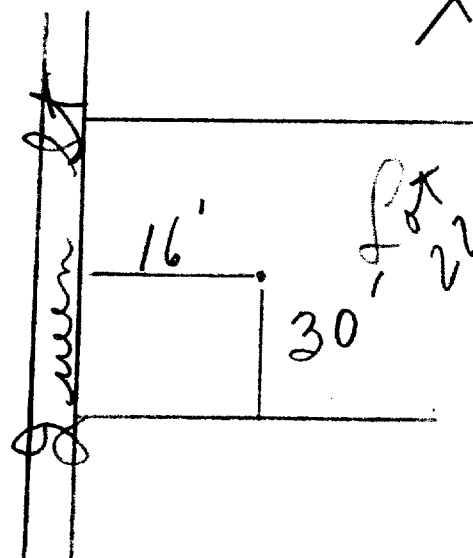
Address

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

4 0308

25

The Ontario Water Resources Commission Act

WATER WELL RECORD



1509730

B

County or District

Carleton

Township, Village, Town or City

Richmond

Con.

111

Lot

23

Date completed

1

Nov

1968

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

clay with boulders
limestone

From ft.

To ft.

Depth(s) at which water(s) found

Kind of water (fresh, salty, sulphur)

0

10

52

fresh

10

53

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

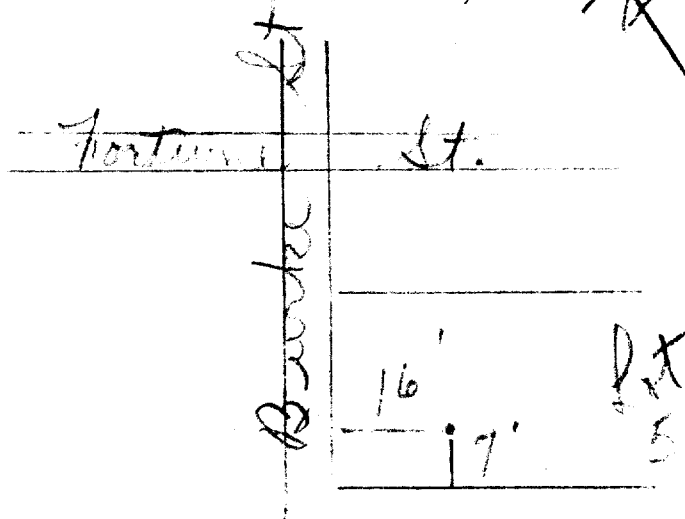
Date 1 Nov 1968

Haider 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.



18-434320
14-48703230



1509731

Water management in Ontario

Elev. 4 0312

The Ontario Water Resources Commission Act

WATER WELL RECORD

Basin 25T

County or District

Carleton

Township, Village, Town or City

Richmond

Con. 23

Date completed

24

Dec

1968

Owner Julia Constr Ltd.
(print in block letters)

Address

Richmond Ont.

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 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

From ft.

To ft.

Depth(s) at which water(s) found

Kind of water (fresh, salty, sulphur)

0

9'

58'

fresh

9'

60'

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

new house

Is well on upland, in valley or on hillside?

Drilling or Boring Firm

Capital Water Supply Ltd.

Address

14 Ashford Dr
Ottawa 6

Licence Number

2857

Name of Driller or Borer

B Acres

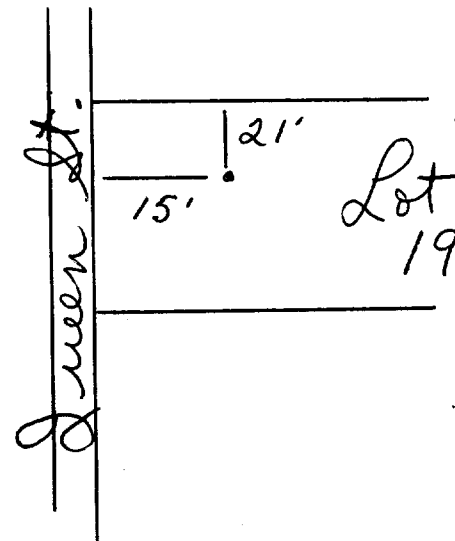
Address

Date 24 Dec 1968

Walter Lavagnish
(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 434320
14 48703230



1509731

Water management in Ontario

Elev. 4 0312

The Ontario Water Resources Commission Act

WATER WELL RECORD

Basin 25T

County or District

Carleton

Township, Village, Town or City

Richmond

Con.

Lot

23

Date completed

24

Dec

1968

Owner

Julia Constr Ltd.
(print in block letters)

Address

Richmond Ont.

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 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

From ft.

To ft.

Depth(s) at which water(s) found

Kind of water (fresh, salty, sulphur)

0

9'

58'

fresh

9'

60'

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

new house

Is well on upland, in valley or on hillside?

Drilling or Boring Firm

Capital Water Supply Ltd.

Address

14 Ashford Dr
Ottawa 6

Licence Number

2857

Name of Driller or Borer

B Acres

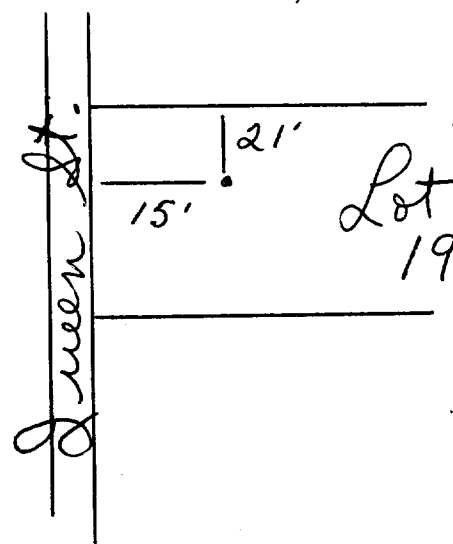
Address

Date 24 Dec 1968

Walter Lavagnish
(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

187 434 380

CODED



Water management in Ontario

1509737

3 9

Elev.

450310

The Ontario Water Resources Commission Act

Basin

255

WATER WELL RECORD

County or District

Carleton

Township, Village, Town or City

Richmond

Con.

1/4

Lot

23

Date completed

4

Dec

1968

Owner

Julia Constr Ltd.

(print in block letters)

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

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

Overburden and Bedrock Record

From
ft.To
ft.Depth(s) at
which water(s)
foundKind of water
(fresh, salty,
sulphur)

sand clay

0

14

58

fresh

hardpan & boulders

14'

17'

limestone

17

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

V Miron

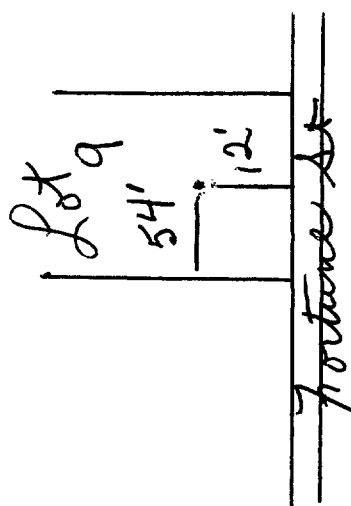
Address

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.


18 434 400
4 50 03 33 0

Elev. 456 0310

Basin 25



Water management in Ontario

1509738

3 4

B

CODED

The Ontario Water Resources Commission Act

WATER WELL RECORD

County or District Carleton

Con. 11 Lot 23

Owner Julia Constr Ltd.
(print in block letters)

Township, Village, Town or City Richmond

Date completed 29 Nov 1968
(day month year)

Address Richmond Ont.

Casing and Screen Record	Pumping Test
Inside diameter of casing <u>5"</u>	Static level <u>4</u>
Total length of casing <u>22'</u>	Test-pumping rate <u>10</u> G.P.M.
Type of screen	Pumping level <u>8</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	
Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
<u>clay</u>	0'	12'	58	<u>fresh</u>
<u>hardpan & boulders</u>	12'	18'		
<u>limestone</u>	18	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

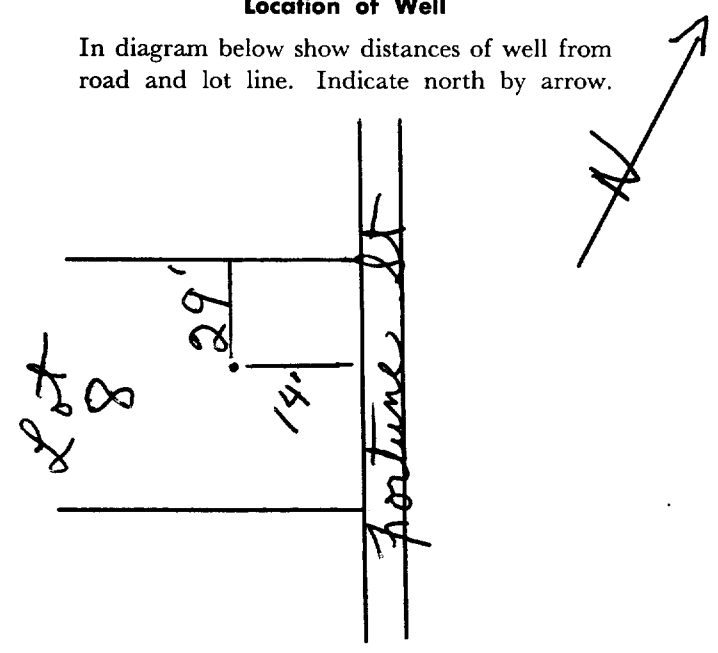
Name of Driller or Borer V. Miron

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.



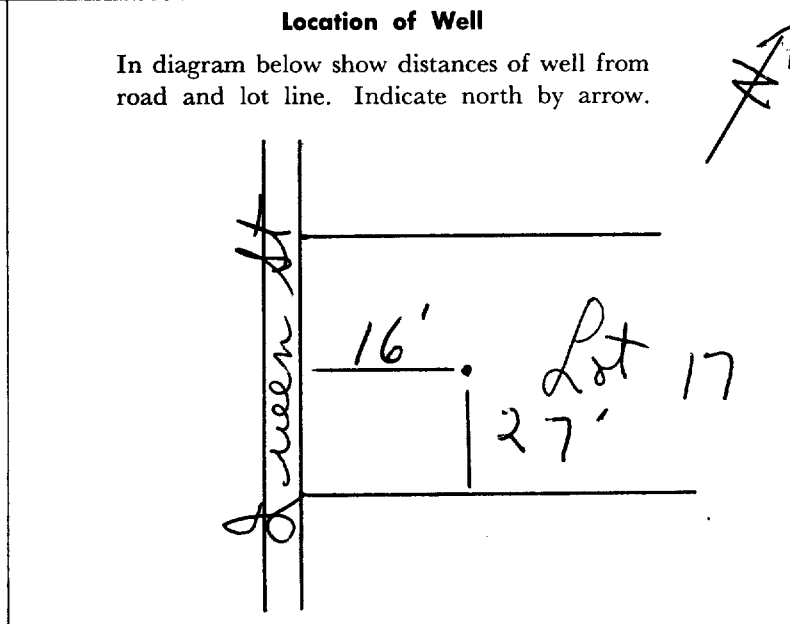
lev. 410311
County or District Carleton Township, Village, Town or City Richmond
Con. T11 Lot 23 Date completed 6 Jan 1969
Owner Julia Const. Ltd. Address Richmond Ont.
(print in block letters)

WATER WELL RECORD

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

Well Log			Water Record	
Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
hardpan & boulders	0'	11'	59'	fresh
limestone	11	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 M Kavanagh
Address
Date 6 Jan 1969
M Kavanagh
(Signature of Licensed Drilling or Boring Contractor)



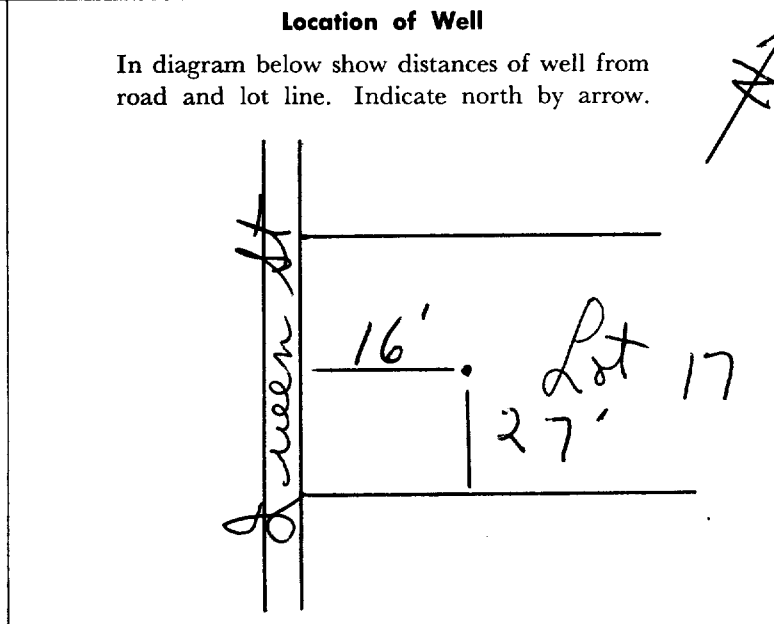
lev. 410311
County or District Carleton Township, Village, Town or City Richmond
Con. T11 Lot 23 Date completed 6 Jan 1969
Owner Julia Const. Ltd. Address Richmond Ont.
(print in block letters)

WATER WELL RECORD

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

Well Log			Water Record	
Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
hardpan & boulders	0'	11'	59'	fresh
limestone	11	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 M Kavanagh
Address
Date 6 Jan 1969
M Kavanagh
(Signature of Licensed Drilling or Boring Contractor)



18 434315
4 5003245
4 0311

CODED



1509978

Water management in Ontario

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

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

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 B Acres

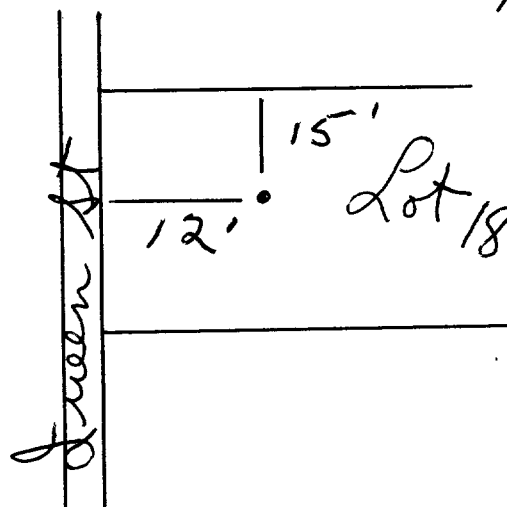
Address

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

CODED



1509978

Water management in Ontario

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

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

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 B Acres

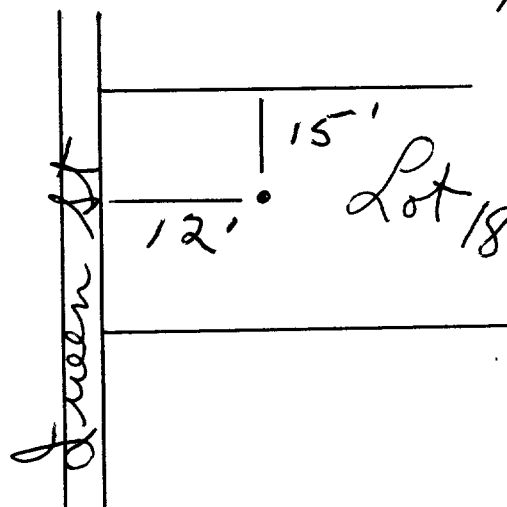
Address

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.



18 434 280
4 500 3290
lev. 4 0311
25

CODED



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.

11

Lot

23

Date completed

7

(day)

Jan

(month)

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

18'

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

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

Overburden and Bedrock Record

hardpan & boulders
limestone

From
ft.

0'

To
ft.

10'

Depth(s) at
which water(s)
found

58

Kind of water
(fresh, salty,
sulphur)

fresh

10'

60'

Location of Well

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

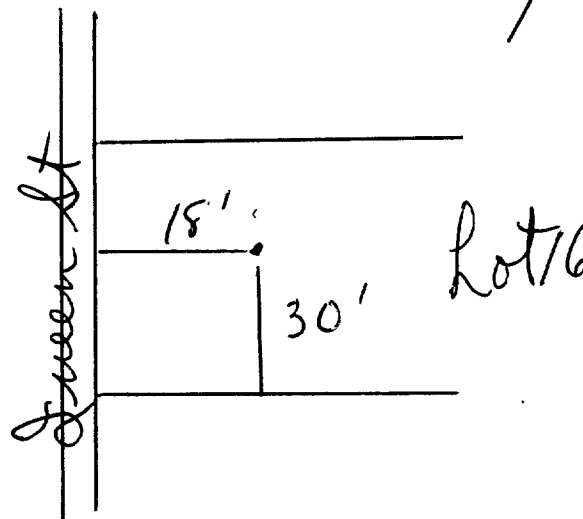
Address

Date

Jan 1968

Walter Lavanagh
(Signature of Licensed Drilling or Boring Contractor)

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



18 434 280
4 500 3290
lev. 4 0311
25

CODED



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.

11

Lot

23

Date completed

7

(day)

Jan

(month)

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 18'
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 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

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

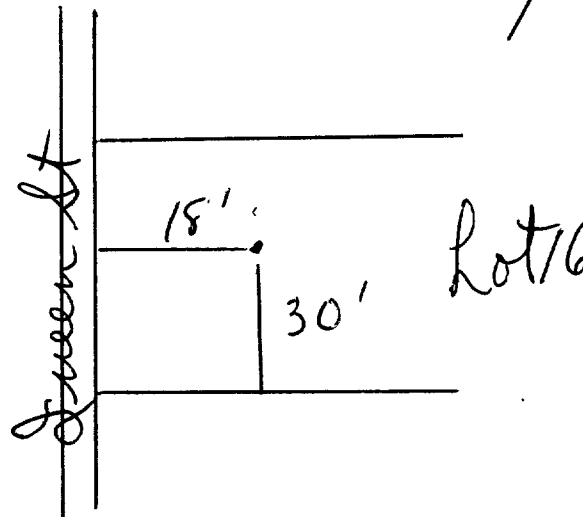
Date

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.



15 434270
4 5003300
Elev. 4 0311
25

CODED  1509980

DIVISION OF
WATER RESOURCES
APR 2 1969

The Ontario Water Resources Commission Act

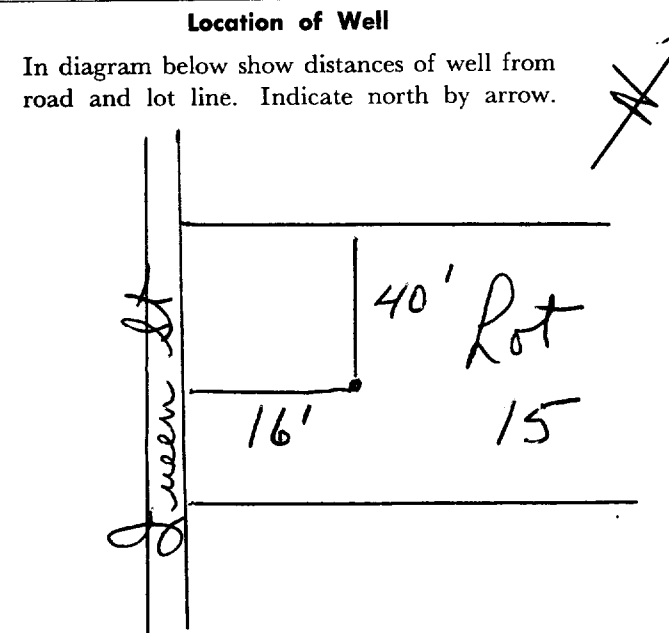
WATER WELL RECORD

County or District Carl Township, Village, Town or City Richmond
Con. 111 Lot 23 Date completed 24 8 1968 (day month year)
Owner Julia Constr Ltd Address 14 Ashford Dr
(print in block letters) Richmond Ont

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
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	
Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
<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 2857
Name of Driller or Borer M. Kavanagh
Address _____
Date Jan 8 1969
Walter Kavanagh
(Signature of Licensed Drilling or Boring Contractor)



15 434270
4 5003300
Elev. 4 0311
25

CODED  1509980

DIVISION OF
WATER RESOURCES
APR 2 1969

The Ontario Water Resources Commission Act

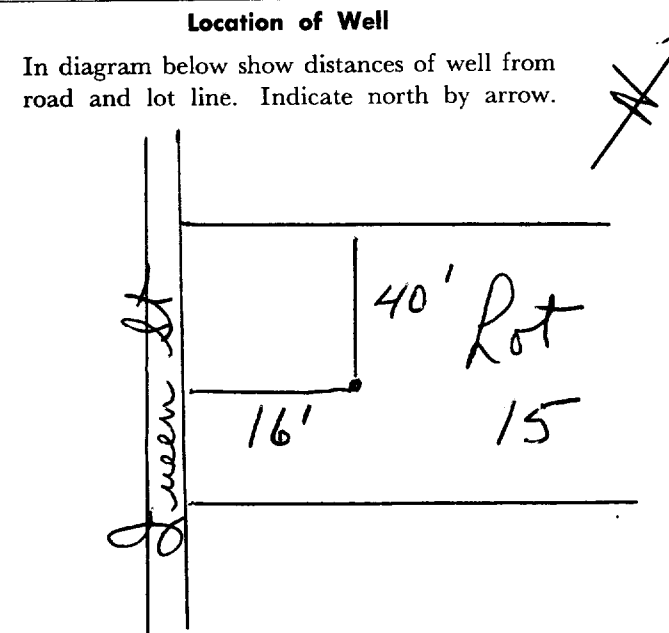
WATER WELL RECORD

County or District Carl Township, Village, Town or City Richmond
Con. 111 Lot 23 Date completed 24 8 1968 (day month year)
Owner Julia Constr Ltd Address 14 Ashford Dr
(print in block letters) Richmond Ont

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
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	
Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
<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 2857
Name of Driller or Borer M. Kavanagh
Address _____
Date Jan 8 1969
Walter Kavanagh
(Signature of Licensed Drilling or Boring Contractor)





1509982

Water management in Ontario

DIVISION OF
WATER RESOURCES

APR 2 1969

The Ontario Water Resources Commission Act

WATER WELL RECORD

County or District

Con.

Owner

Township, Village, Town or City

Date completed

(day)

(month)

(year)

Address

Casing and Screen Record

Pumping Test

Inside diameter of casing

Total length of casing

Type of screen

Length of screen

Depth to top of screen

Diameter of finished hole

Static level

Test-pumping rate

G.P.M.

Pumping level

Duration of test pumping

Water clear or cloudy at end of test

Recommended pumping rate

G.P.M.

with pump setting of

feet below ground surface

Well Log

Water Record

Overburden and Bedrock Record

From
ft.To
ft.Depth(s) at
which water(s)
foundKind of water
(fresh, salty,
sulphur)hardpan & boulders
limestone

0'

9'

57'

fresh

9

58'

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

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

Drilling or Boring Firm

Address

Licence Number

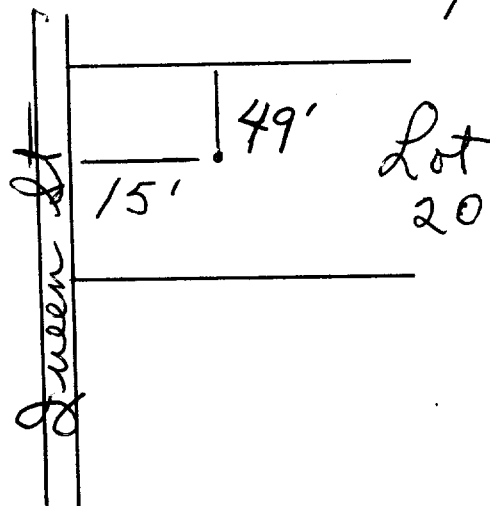
Name of Driller or Borer

Address

Date

(Signature of Licensed Drilling or Boring Contractor)

Location of Well

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



1509982

Water management in Ontario

DIVISION OF
WATER RESOURCES

APR 2 1969

The Ontario Water Resources Commission Act

WATER WELL RECORD

County or District

Con.

Owner

Township, Village, Town or City

Date completed

(day)

(month)

(year)

Address

Casing and Screen Record

Pumping Test

Inside diameter of casing

Total length of casing

Type of screen

Length of screen

Depth to top of screen

Diameter of finished hole

Static level

Test-pumping rate

G.P.M.

Pumping level

Duration of test pumping

Water clear or cloudy at end of test

Recommended pumping rate

G.P.M.

with pump setting of

feet below ground surface

Well Log

Water Record

Overburden and Bedrock Record

From
ft.To
ft.Depth(s) at
which water(s)
foundKind of water
(fresh, salty,
sulphur)hardpan & boulders
limestone

0'

9'

57'

fresh

9

58'

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

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

Drilling or Boring Firm

Address

Licence Number

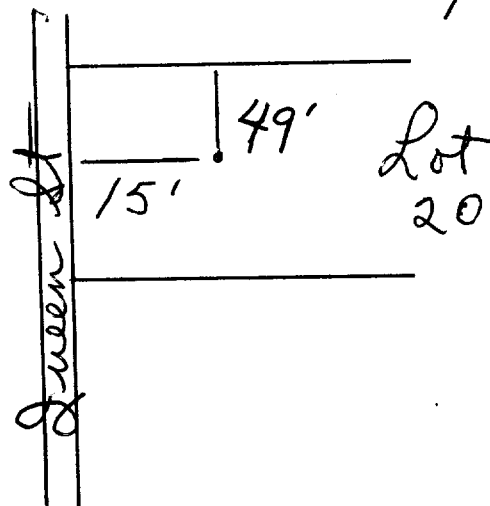
Name of Driller or Borer

Address

Date

(Signature of Licensed Drilling or Boring Contractor)

Location of Well

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

18 434 240

4 500 3330 CODED



1509983

APR 2 1969

The Ontario Water Resources Commission Act

WATER WELL RECORD

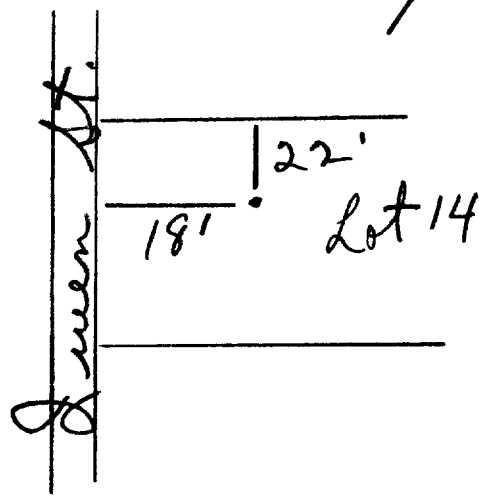
County or District Carleton Township, Village, Town or City Richmond
Con. 11 Lot 23 Date completed 16 Jan 1969
(day month year)
Owner Julia Constr Ltd. Address Richmond Ont.
(print in block letters)

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 <u>cloudy</u> 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	
Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
<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 M ains
Address
Date Jan 16 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.



18 434 240

4 500 3330 CODED



1509983

APR 2 1969

The Ontario Water Resources Commission Act

WATER WELL RECORD

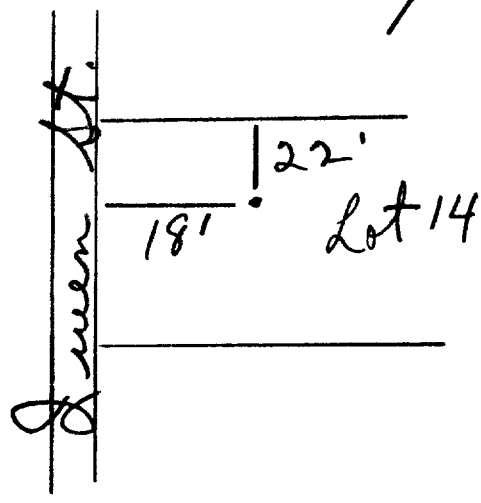
County or District Carleton Township, Village, Town or City Richmond
Con. 11 Lot 23 Date completed 16 Jan 1969
(day month year)
Owner Julia Constr Ltd. Address Richmond Ont.
(print in block letters)

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 <u>cloudy</u> 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	
Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
<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 M ains
Address _____
Date Jan 16 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 434320

CODED



1509984

The Ontario Water Resources Commission Act

APR 2 1969

No.

County or District

Con

WATER WELL RECORD

25

Carleton

Township, Village, Town or City

Richmond

Date completed

14

Jan

1969

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

Overburden and Bedrock Record

hardpan & boulders

limestone

From
ft.To
ft.Depth(s) at
which water(s)
foundKind of water
(fresh, salty,
sulphur)

0'

16'

58'

fresh

16'

60'

Location of Well

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

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

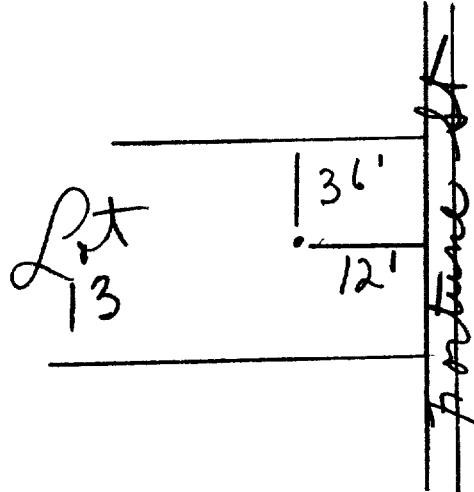
Address

Date

Jan 14 1968

Thaxter Kavanagh

(Signature of Licensed Drilling or Boring Contractor)



18 434430

4 5003305

CODED



1509985

The Ontario Water Resources Commission Act

WATER WELL RECORD

County or District

Carleton

Township, Village, Town or City

Richmond

Con.

114

Lot

23

Date completed

14

Jan

1969

Owner

Julia Constr Ltd

Address

Richmond Ont.

(print in block letters)

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

From
ft.To
ft.Depth(s) at
which water(s)
foundKind of water
(fresh, salty,
sulphur)

0'

23'

61'

fresh

23'

62'

Water Record

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

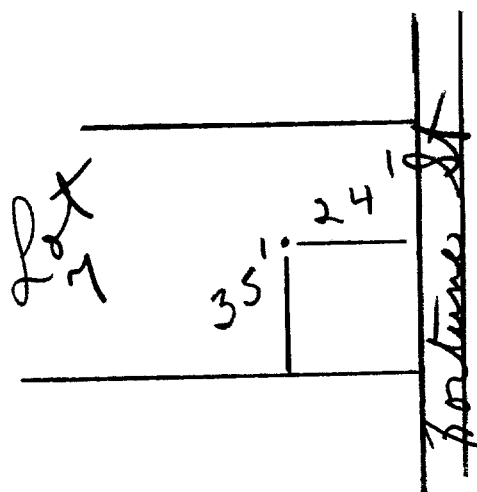
Date

Jan 14 1969

Thaxter 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

The Ontario Water Resources Commission Act

WATER WELL RECORD

County or District

Con.

Township, Village, Town or City

DIVISION OF
WATER RESOURCES

Date completed

(day

month

year)

Carl

Lot 23

Richmond

16 May 1969

Melrose Ave
Ottawa

Casing and Screen Record

Inside diameter of casing

Total length of casing

Type of screen

Length of screen

Depth to top of screen

Diameter of finished hole

5"
22'
4 7/8"ONTARIO WATER
RESOURCES COMMISSION

Pumping Test

Test-pumping rate

Pumping level

Duration of test pumping

Water clear or cloudy at end of test

Recommended pumping rate

with pump setting of

20'

10

38'

1 hr

5

40

G.P.M.

G.P.M.

feet below ground surface

Well Log

Overburden and Bedrock Record

sand
clay
hardpan & boulders
limestoneFrom
ft.To
ft.Depth(s) at
which water(s)
foundKind of water
(fresh, salty,
sulphur)

0'

7'

53

fresh

7'

12'

12'

18'

18'

54

Location of Well

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

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

Is well on upland, in valley or on hillside?

Drilling or Boring Firm

Address

Licence Number

Name of Driller or Borer

Address

Date

(Signature of Licensed Drilling or Boring Contractor)

new house

Capital Water
Supply Ltd14 Ashford Dr
Ottawa 6

3216

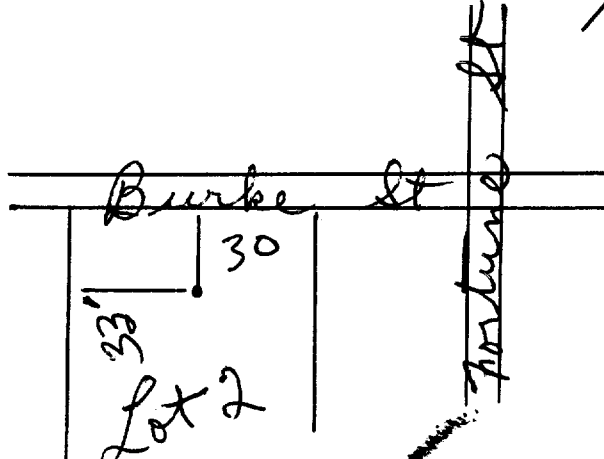
B Acres

16 May 1969

Halter Kavanagh

Form 7 15M-60-4138

OWRC COPY





316/4F

1510076-1

The Ontario Water Resources Commission Act

WATER WELL RECORD

County or District

Con.

Township, Village, Town or City

DIVISION OF
WATER RESOURCES

Date completed

(day

month

year)

Carl

Lot 23

Richmond

16 May 1969

Melrose Ave
Ottawa

Casing and Screen Record

Inside diameter of casing

Total length of casing

Type of screen

Length of screen

Depth to top of screen

Diameter of finished hole

5"
22'
4 7/8"ONTARIO WATER
RESOURCES COMMISSION

Pumping Test

Test-pumping rate

Pumping level

Duration of test pumping

Water clear or cloudy at end of test

Recommended pumping rate

with pump setting of

20'

10

38'

1 hr

5

40

G.P.M.

G.P.M.

feet below ground surface

Well Log

Overburden and Bedrock Record

sand
clay
hardpan & boulders
limestoneFrom
ft.To
ft.Depth(s) at
which water(s)
foundKind of water
(fresh, salty,
sulphur)

0'

7'

53

fresh

7'

12'

12'

18'

18'

54

Location of Well

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

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

Is well on upland, in valley or on hillside?

Drilling or Boring Firm

Address

Licence Number

Name of Driller or Borer

Address

Date

(Signature of Licensed Drilling or Boring Contractor)

new house

Capital Water
Supply Ltd14 Ashford Dr
Ottawa 6

3216

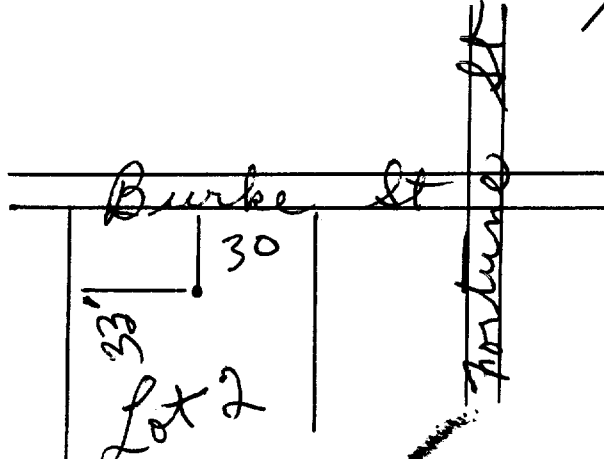
B Acres

16 May 1969

Walter Kavanagh

Form 7 15M-60-4138

OWRC COPY





316/4F

1510076-1

The Ontario Water Resources Commission Act

WATER WELL RECORD

County or District

Con.

Township, Village, Town or City

DIVISION OF
WATER RESOURCES

Date completed

(day

month

year)

Carl

Lot 23

Richmond

16 May 1969

Melrose Ave
Ottawa

Casing and Screen Record

Inside diameter of casing

Total length of casing

Type of screen

Length of screen

Depth to top of screen

Diameter of finished hole

4 7/8

Pumping Test

Test-pumping rate

G.P.M.

Pumping level

Duration of test pumping

Water clear or cloudy at end of test

Recommended pumping rate

G.P.M.

with pump setting of 40 feet below ground surface

Well Log

Water Record

Overburden and Bedrock Record

From
ft.To
ft.Depth(s) at
which water(s)
foundKind of water
(fresh, salty,
sulphur)sand
clay
hardpan & boulders
limestone

0'

7'

53

fresh

7'

12'

12'

18'

18'

54

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

Address

Licence Number

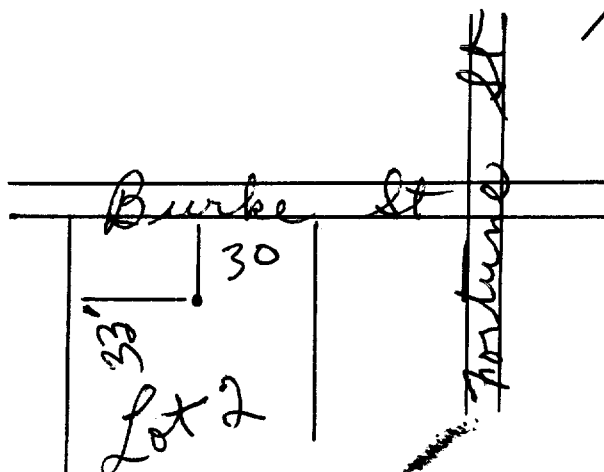
Name of Driller or Borer

Address

Date

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.

Form 7 15M-60-4138

OWRC COPY

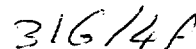


2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

CON

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

OFFICE USE ONLY	DATA SOURCE	58	CONTRACTOR	59-62	DATE RECEIVED	63-68	80
	1		1503		301069		
	DATE OF INSPECTION		INSPECTOR				
			R. Kelly R/P				
	REMARKS:						



Water management in Ontario

1. PRINT ONLY IN SPACES PROVIDED

2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11

1510852

MUNICIP

CON

1570

10 14 1

LOCK, TRACT, SURVEY, ETC.

	22	23	24
LOT	25-27		

COUNTY OR DISTRICT

TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE ☒

DATE COMPLETED

48-53

DAY 03 MO 08 YR 70

NG

ELEVATION

RC.

BASIN CODE
1051

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

OFFICE USE ONLY	DRILLERS' REMARKS:		58 CONTRACTOR		3-62 DATE RECEIVED	63-68
	DATA SOURCE 1		1558		280970	
	DATE OF INSPECTION		ECTOR			
	REMARKS:					P <i>Km</i> WI <i>ph</i>

OWRC COPY



31 6/4F

11

1515285

MUNICIP. 15701

CON.

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

1515285	18	434171	5003395	4	308	4	26	JUN 28, 1977	300
---------	----	--------	---------	---	-----	---	----	--------------	-----

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

[illegible]

31) 000262877 00106281377 001521479 011521573

WATER RECORD

WATER FOUND AT - FEET		KIND OF WATER	
00-65	10-13	1 ☒ FRESH	3 ☐ SULPHUR
		2 ☐ SALTY	4 ☐ MINERAL
0113	15-18	1 ☒ FRESH	3 ☐ SULPHUR
		2 ☐ SALTY	4 ☐ MINERAL
	20-23	1 ☐ FRESH	3 ☐ SULPHUR
		2 ☐ SALTY	4 ☐ MINERAL
	25-28	1 ☐ FRESH	3 ☐ SULPHUR
		2 ☐ SALTY	4 ☐ MINERAL
	30-33	1 ☐ FRESH	3 ☐ SULPHUR
		2 ☐ SALTY	4 ☐ MINERAL

CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES		MATERIAL		WALL THICKNESS INCHES		DEPTH - FEET	
						FROM	TO
10-11 64 06	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE	12	188	0	0025	13-16	
17-18 06	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE	19				20-23	
24-25	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	26			0115	27-30	

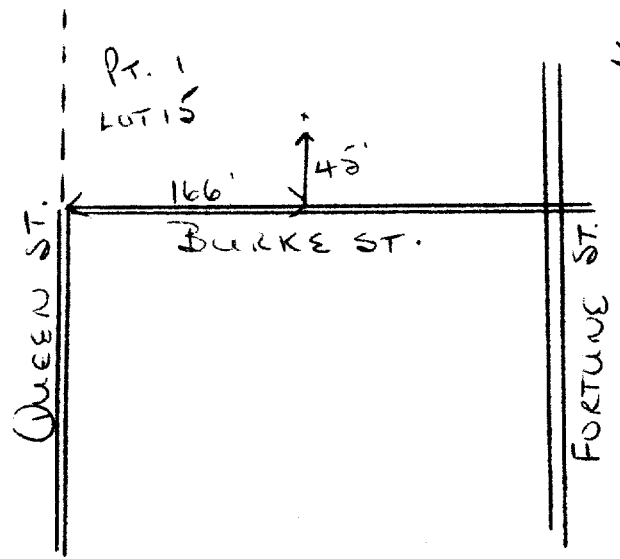
PLUGGING & SEALING RECORD

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		10	PUMPING RATE		11-14	DURATION OF PUMPING	
	1 ☒ PUMP	2 ☐ BAILER		0009		GPM	01	15-16 HOURS 00
			25	WATER LEVELS DURING		1 ☒ PUMPING 2 ☐ RECOVERY		
	19-21	22-24	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES		
	0 15	0 75	0 75	0 75	0 75	0 75		
IF FLOWING, GIVE RATE		38-41	PUMP INTAKE SET AT		WATER AT END OF TEST		42	
		GPM						
RECOMMENDED PUMP TYPE		RECOMMENDED PUMP SETTING		43-45	RECOMMENDED PUMPING RATE		46-49	
☐ SHALLOW ☒ DEEP		100		FEET	005		GPM	
50-53		GPM. / FT. SPECIFIC CAPACITY						

LOCATION OF WELL 3403

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 01

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

METHOD OF DRILLING

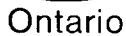
- | | | | | | |
|---|-------------------------------------|-----------------------|---|--------------------------|---------|
| 1 | ☐ | CABLE TOOL | 6 | ☐ | BORING |
| 2 | ☒ | ROTARY (CONVENTIONAL) | 7 | ☐ | DIAMOND |
| 3 | ☐ | ROTARY (REVERSE) | 8 | ☐ | JETTING |
| 4 | ☐ | ROTARY (AIR) | 9 | ☐ | DRIVING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

CONTRACTOR

CONTRACTOR	NAME OF WELL CONTRACTOR		LICENCE NUMBER	
	Capital Water Supply Ltd.		1558	
	ADDRESS			
	Box 490 Stittsville, Ontario			
CONTRACTOR	NAME OF DRILLER OR BORER		LICENCE NUMBER	
	D. McDougall			
	SIGNATURE OF CONTRACTOR		SUBMISSION DATE	
	D. L. Kavanagh		DAY 26 MO. 3 YR. 76	

OFFICE USE ONLY

OFFICE USE ONLY	DATA SOURCE	58	CONTRACTOR	59-62	DATE RECEIVED	63-68	80
	1		1558		1	30476	
	DATE OF INSPECTION		INSPECTOR				
	June 16, 1976		A. E. Pentrey				
	REMARKS:		P. [Signature]				
			WI				



31 G/4F



1515286

MUNICIPALITY
15701

CON

COUNTY OR DISTRICT Carleton		TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE Richmond		CON., BLOCK, TRACT, SURVEY, ETC. III		LOT 25-27	
OWNER (SURNAME FIRST) Walter Hardkys Const.		ADDRESS Richmond, Ontario		DATE COMPLETED 24 03		DAY 24 MO 03 YR 76	

1515286	18	434193	5003418	4	308	4	26	JUN 28, 1977	300
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LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

[illegible]

31	00026281277	000860513	012521573				
32							

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

51 CASING & OPEN HOLE RECORD				
INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
6 ⁴⁰⁻¹¹	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE	12	0	00 25 ¹³⁻¹⁶
0 6	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE	19	25	125 ²⁰⁻²³
06 ¹⁷⁻¹⁸	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE	26		01 25 ²⁷⁻³⁰
24-25	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

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

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

71	PUMPING TEST METHOD		10	PUMPING RATE		1-14	DURATION OF PUMPING	
	1 ☒ PUMP 2 ☐ BAILER			00 12		GPM	01	15-18 HOURS 00
								17-18 MINS
	STATIC LEVEL	WATER LEVEL END OF PUMPING	25	WATER LEVELS DURING				
				1 ☒ PUMPING 2 ☐ RECOVERY				
	19-21	22-24	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES		
00 10	FEET	00 25	FEET	26-28 00 25	29-31 FEET	00 25	32-34 FEET	35-37 FEET
IF FLOWING, GIVE RATE		38-41	PUMP INTAKE SET AT		WATER AT END OF TEST			
		GPM			FEET			
RECOMMENDED PUMP TYPE			RECOMMENDED PUMP SETTING		43-45	RECOMMENDED PUMPING RATE		46-49
☒ SHALLOW ☐ DEEP			00 30		FEET	0005		GPM
50-53		GPM. / FT. SPECIFIC CAPACITY						

LOCATION OF WELL 3403

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

Diagram illustrating the location of the well (3403) relative to the streets and lot lines:

- Streets shown: QUEEN ST., BURKE ST., FORTUNE ST.
- Well location: PART 2 OF LOT 15.
- Distances: 1' (from lot line), 75' (from Burke St.).
- North arrow: Indicated by an arrow pointing upwards.

DRILLERS REMARKS:

94 FINAL STATUS OF WELL 1	1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL	5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED POOR QUALITY 7 ☐ UNFINISHED
55-56 WATER USE 01	1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER	5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED
57 METHOD OF DRILLING 5	1 ☐ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☐ ROTARY (AIR) 5 ☒ AIR PERCUSSION	6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING

CONTRACTOR	NAME OF WELL CONTRACTOR		LICENCE NUMBER	
	Capital Water Supply Ltd.		1558	
	ADDRESS			
	Box 490 Stittsville, Ontario			
	NAME OF DRILLER OR BORER		LICENCE NUMBER	
	D. McDougall			
	SIGNATURE OF CONTRACTOR		SUBMISSION DATE	
	[Signature]		JUN 26 MO. 3 YR. 76	

OFFICE USE ONLY	DATA SOURCE	58	CONTRACTOR	59-62	DATE RECEIVED	63-68	80
	1		1558		30476		
	DATE OF INSPECTION		INSPECTOR				
	June 16, 1976		R. E. Pentney				
	REMARKS:		P WI R. E. P.				



31 G/4F

11

1515320.

MUNICIP.
15701

COM

COUNTY OR DISTRICT <i>Carleton</i>	TOWNSHIP, BOUGH, CITY, TOWN, VILLAGE <i>Richmond</i>	CON., BLOCK, TRCT., SURVEY, ETC. <i>Bunker St</i>	LOT <i>III</i>	25-27 <i>28</i>
OWNER (OR NAME FIRST) [REDACTED]	<i>Richmond</i>	DATE COMPLETED DAY <i>27</i> MO <i>04</i> YR <i>76</i>		
ING	RC.	ELEVATION	RC.	BASIN CODE
<i>003441</i>	<i>4</i>	<i>308</i>	<i>4</i>	<i>26</i>
			JUN 28, 1977	
			300	

003441

4 308

4 26

JUN 28, 1977

300

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

[illegible][illegible]

41		WATER RECORD	
WATER FOUND AT - FEET		KIND OF WATER	
10-13	1 ☒ FRESH	3 ☐ SULPHUR	14
	2 ☐ SALTY	4 ☐ MINERAL	
15-18	1 ☐ FRESH	3 ☐ SULPHUR	15
	2 ☐ SALTY	4 ☐ MINERAL	
20-23	1 ☐ FRESH	3 ☐ SULPHUR	24
	2 ☐ SALTY	4 ☐ MINERAL	
25-28	1 ☐ FRESH	3 ☐ SULPHUR	25
	2 ☐ SALTY	4 ☐ MINERAL	
30-33	1 ☐ FRESH	3 ☐ SULPHUR	34
	2 ☐ SALTY	4 ☐ MINERAL	

51		CASING & OPEN HOLE RECORD		43	
INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET		
			FROM	TO	
10-11	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	12		13-16	
6-12		188	0	225	
17-18	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	19		20-23	
24-25	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	26		27-30	

SCREEN	54	65	75	80		
	SIZE(S) OF OPENING (SLOT NO.)	31-33	DIAMETER	34-38	LENGTH	39-40
	INCHES			FEET		
MATERIAL AND TYPE			DEPTH TO TOP OF SCREEN		41-44	80
					FEET	

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

71 PUMPING TEST	PUMPING TEST METHOD		10	PUMPING RATE		11-14	DURATION OF PUMPING	
	1 ☒ PUMP	2 ☐ BAILER		0008		GPM	0/	15-16 HOURS 00
								17-18 MINS
	STATIC LEVEL	WATER LEVEL END OF PUMPING	25	WATER LEVELS DURING				
	19-21	22-24	15 MINUTES	26-28	30 MINUTES	45 MINUTES	60 MINUTES	
0/5	050	050	050	29-31	050	32-34	050	
FEET		FEET	FEET	FEET	FEET	FEET	FEET	
IF FLOWING, GIVE RATE		38-41	PUMP INTAKE SET AT			WATER AT END OF TEST		
		GPM				1 ☐ CLEAR 2 ☒ CLOUDY		
RECOMMENDED PUMP TYPE			RECOMMENDED PUMP SETTING		43-45	RECOMMENDED PUMPING RATE		46-49
☐ SHALLOW ☒ DEEP			050		FEET	0005		GPM
50-53		GPM./FT. SPECIFIC CAPACITY						

54 FINAL STATUS OF WELL 1	1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL		5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED
55-56 WATER USE 01	1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER	5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING	9 ☐ NOT USED
57 METHOD OF DRILLING 5	1 ☐ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☐ ROTARY (AIR) 5 ☒ AIR PERCUSSION		6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING

LOCATION OF WELL 3403

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

45'

78'

Burke St

Fortune St

DRIILLERS REMARKS:

CONTRACTOR	NAME OF WELL CONTRACTOR		LICENCE NUMBER	
	Henry Manns Well Drilling		3684	
	ADDRESS			
	Box 326, Richmond Ont			
	NAME OF DRILLER OR BORER		LICENCE NUMBER	
	H. Manns			
	SIGNATURE OF CONTRACTOR		SUBMISSION DATE	
	H. Manns		DAY 29 MO. 4 YR 76	

OFFICE USE ONLY	DATA SOURCE				58	CONTRACTOR	59-62	DATE RECEIVED	60576	63-68	69	
	1				3644							
	DATE OF INSPECTION				INSPECTOR							
	June 14, 1976				A.E. Peatney							
REMARKS:									P AEP			
									WI			



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

11

1517733

MUNICIP.
15701

CON.
CgN

0.2

COUNTY OR DISTRICT		TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE		CON., BLOCK, TRACT, SURVEY, ETC.		LOT	
Ottawa-Carleton		Gaulbourn		Conc. 2		023	
OWNER (SURNAME FIRST)		ADDRESS		DATE COMPLETED		48-53	
Star Quality Homes		Richmond, Ontario KOA 2Z0		DAY 30 MO 09 YR 81			

21

EASTING
434499

NORTHING
5003199

RC.
4

ELEVATION
0310

RC.
4

BASIN CODE
26

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

[illegible]

31

00206141311

0040215

32

WATER RECORD

WATER FOUND AT - FEET		KIND OF WATER			
10-13	1 ☒ FRESH	3 ☐ SULPHUR			14
	2 ☐ SALTY	4 ☐ MINERAL			
15-18	1 ☐ FRESH	3 ☐ SULPHUR			19
	2 ☐ SALTY	4 ☐ MINERAL			
20-23	1 ☐ FRESH	3 ☐ SULPHUR			24
	2 ☐ SALTY	4 ☐ MINERAL			
25-28	1 ☐ FRESH	3 ☐ SULPHUR			29
	2 ☐ SALTY	4 ☐ MINERAL			
30-33	1 ☐ FRESH	3 ☐ SULPHUR			34
	2 ☐ SALTY	4 ☐ MINERAL			

CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
06 6 1/4	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	12 188		13-16 0 0022
06	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE	19	22	20-23 0040
24-25	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	26		27-30

PLUGGING & SEALING RECORD

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

PUMPING TEST	PUMPING TEST METHOD		10 PUMPING RATE		11-14 DURATION OF PUMPING		15-16 HOURS		17-18 MIN.			
	1 ☒ PUMP 2 ☐ BAILER		0030		GPM 01		00		17-18			
	STATIC LEVEL		WATER LEVEL END OF PUMPING		25 WATER LEVELS DURING		1 ☒ PUMPING 2 ☐ RECOVERY					
	19-21		22-24		15 MINUTES 26-28		30 MINUTES 29-31		45 MINUTES 32-34		60 MINUTES 35-37	
	FEET 008		FEET 020		FEET 020		FEET 020		FEET 020		FEET 020	
	IF FLOWING GIVE RATE		38-41		PUMP INTAKE SET AT		WATER AT END OF TEST		42			
		GPM				FEET		1 ☒ CLEAR 2 ☐ CLOUDY				
RECOMMENDED PUMP TYPE		RECOMMENDED PUMP SETTING		43-45		INFO. RECOMMENDED PUMPING RATE		46-49				
☒ SHALLOW ☐ DEEP		030 FEET				0005		GPM				
50-53		-----		GPM./FT. SPECIFIC CAPACITY								

LOCATION OF WELL

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

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

Underhill Cross

RICHMOND ESTATES.

34'4"

15'0"

Lot #6.

RICHLAND DR

OC #5

DRILLERS REMARKS:

DRILLERS REMARKS:

54 FINAL STATUS OF WELL 1	1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL	5 ☐ ABANDONED. INSUFFICIENT SUPPLY 6 ☐ ABANDONED. POOR QUALITY 7 ☐ UNFINISHED
55-56 WATER USE 01	1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER _____	5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED
57 METHOD OF DRILLING 5	1 ☐ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☐ ROTARY (AIR) 5 ☒ AIR PERCUSSION	6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING

CONTRACTOR	NAME OF WELL CONTRACTOR		LICENCE NUMBER
	Capital Water Supply Ltd.		1558
	ADDRESS		
	Box 490, Stittsville, Ontario K0A3G0		
	NAME OF DRILLER OR BORER		LICENCE NUMBER
	S. Miller		
	SIGNATURE OF CONTRACTOR		SUBMISSION DATE
	<i>[Signature]</i>		DAY 01 MO. 10 YR. 81

OFFICE USE ONLY	DATA SOURCE	58	CONTRACTOR	59-62	DATE RECEIVED	3-68	00
		1	1558		03 03 82		
	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

MUNICIPALITY 15701

CON. C0N

03

COUNTY OR DISTRICT

TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE

CON. BLOCK, TRAIL, SURVEY, ETC.

LOT 022

DATE COMPLETED

DAY 04 MO 06 YR 82

003099

4

ELEVATION 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			0	8
grey	hardpan			8	15
grey	gravel			15	25
grey	limestone			25	25

31 0008205 0015214 0025211 0125215

32

41 WATER RECORD

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

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET
10-11	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	188	0/027
17-18	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE		20-23
24-25	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE		27-30

61 PLUGGING & SEALING RECORD

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

71 PUMPING TEST

PUMPING TEST METHOD: 1 ☒ PUMP 2 ☐ BAILER

PUMPING RATE: 00/5 GPM

DURATION OF PUMPING: 01 15-16 00 HOURS

STATIC LEVEL: 008 FEET

WATER LEVEL END OF PUMPING: 030 FEET

WATER LEVELS DURING PUMPING:

15 MINUTES: 030	30 MINUTES: 030	45 MINUTES: 030	60 MINUTES: 030
-----------------	-----------------	-----------------	-----------------

IF FLOWING, GIVE RATE: 38-41 GPM

PUMP INTAKE SET AT: 030 FEET

WATER AT END OF TEST: 42 FEET

RECOMMENDED PUMP TYPE: 1 ☒ SHALLOW 2 ☐ 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.

Queen St.

Ottawa St.

125' 1/2

70' 1/2

DRILLER'S REMARKS:

FINAL STATUS OF WELL 1

WATER USE 01

METHOD OF DRILLING 5

CONTRACTOR

NAME OF WELL CONTRACTOR: Henry Mains Well Drilling

ADDRESS: Box 326, Richmond Ont

NAME OF DRILLER OR BORER: Henry Mains

SIGNATURE OF CONTRACTOR: [Signature]

SUBMISSION DATE: DAY 5 MO 6 YR 82

OFFICE USE ONLY

DATA SOURCE: 1

CONTRACTOR: 3644

DATE RECEIVED: 080782

DATE OF INSPECTION: [Blank]

INSPECTOR: [Blank]

REMARKS: [Blank]



Ministry
of the
Environment
Ontario

The Ontario Water Resources Act

31648

WATER WELL RECORD

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

(11)

1518068

MUNICIPALITY 15701

CON. 03

03

COUNTY OR DISTRICT <i>Carleton</i>	TOWNSHIP, CITY, TOWN, VILLAGE <i>Doulltown (Richmond)</i>	CON. BLOCK, TRACT, SURVEY, ETC. <i>Ottawa St.</i>	LOT <i>150</i>
OWNER (SURNAME FIRST) <i>Therlyn Company Ltd</i>	ADDRESS <i>Richmond Ont</i>	DATE COMPLETED DAY <i>09</i> MO <i>11</i> YR <i>82</i>	
ZONE <i>U 118</i>	EASTING <i>434399</i>	NORTHING <i>5003099</i>	RC <i>4</i>
ELEVATION <i>103.10</i>	RC <i>4</i>	BASIN CODE <i>26</i>	II <i>11</i>

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>0</i>	<i>12</i>
<i>grey</i>	<i>hardpan</i>	<i>gravel</i>		<i>12</i>	<i>24</i>
<i>grey</i>	<i>limestone</i>			<i>24</i>	<i>125</i>

MOE
WF-18

(31) <i>0012205</i>	<i>0024214</i>	<i>0125215</i>
(32)		

WATER RECORD	
WATER FOUND AT - FEET	KIND OF WATER
<i>0/00</i>	☒ FRESH ☐ SULPHUR
<i>0/20</i>	☐ SALTY ☐ MINERAL

CASING & OPEN HOLE RECORD			
INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET
<i>86</i>	☒ STEEL	<i>188</i>	<i>0/0026</i>
<i>06</i>	☐ GALVANIZED		<i>26/025</i>

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

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

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
☒ PUMP ☐ BAILER	<i>0005</i>	<i>01</i> HOURS <i>00</i> MINS
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING
<i>003</i>	<i>100</i>	<i>100</i> <i>100</i> <i>100</i> <i>100</i> <i>100</i>

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

FINAL STATUS OF WELL	☒ WATER SUPPLY	☐ 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	

NAME OF WELL CONTRACTOR <i>Henry Mains Well Drilling</i>	LICENCE NUMBER <i>3644</i>
ADDRESS <i>264 326, Richmond Ont</i>	
NAME OF DRILLER OR BORER <i>Henry Mains</i>	LICENCE NUMBER
SIGNATURE OF CONTRACTOR	SUBMISSION DATE DAY <i>20</i> MO <i>11</i> YR <i>82</i>

DATA SOURCE	CONTRACTOR	DATE RECEIVED
<i>1</i>	<i>3644</i>	<i>11 01 83</i>
DATE OF INSPECTION	INSPECTOR	
REMARKS		



Ministry
of the
Environment
Ontario

The Ontario Water Resources Act

31648

WATER WELL RECORD

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(11)

1518068

MUNICIPALITY 15701

CON. 03

03

COUNTY OR DISTRICT <i>Carleton</i>	TOWNSHIP, CITY, TOWN, VILLAGE <i>Doulltown (Richmond)</i>	CON. BLOCK, TRACT, SURVEY, ETC. <i>Ottawa St.</i>	LOT <i>150</i>
OWNER (SURNAME FIRST) <i>Therlyn Company Ltd</i>	ADDRESS <i>Richmond Ont</i>	DATE COMPLETED DAY <i>09</i> MO <i>11</i> YR <i>82</i>	
ZONE <i>U 118</i>	EASTING <i>434399</i>	NORTHING <i>5003099</i>	RC <i>4</i>
ELEVATION <i>103.10</i>	RC <i>4</i>	BASIN CODE <i>26</i>	II <i>11</i>

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>0</i>	<i>12</i>
<i>grey</i>	<i>hardpan</i>	<i>gravel</i>		<i>12</i>	<i>24</i>
<i>grey</i>	<i>limestone</i>			<i>24</i>	<i>125</i>

MOE
WF-18

(31) <i>0012205</i>	<i>0024214</i>	<i>0125215</i>
(32)		

WATER RECORD	
WATER FOUND AT - FEET	KIND OF WATER
<i>0/00</i>	☒ FRESH ☐ SULPHUR
<i>0/20</i>	☐ SALTY ☐ MINERAL

CASING & OPEN HOLE RECORD	
INSIDE DIAM INCHES	MATERIAL
<i>86</i>	☒ STEEL
<i>06</i>	☐ GALVANIZED
	☐ CONCRETE
	☐ OPEN HOLE

SCREEN	
SIZE(S) OF OPENING (SLOT NO.)	DIAMETER
	<i>188</i>
MATERIAL AND TYPE	
	<i>0/0026</i>

PUMPING TEST METHOD	
☒ PUMP	☐ BAILER
STATIC LEVEL	WATER LEVEL END OF PUMPING
<i>003</i>	<i>100</i>
IF FLOWING GIVE RATE	PUMP INTAKE SET AT
	<i>100</i>
RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING
☐ SHALLOW ☒ DEEP	<i>100</i>

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

FINAL STATUS OF WELL	
☒ WATER SUPPLY	☐ 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	

NAME OF WELL CONTRACTOR <i>Henry Mains Well Drilling</i>	LICENCE NUMBER <i>3644</i>
ADDRESS <i>24326 Richmond Ont</i>	
NAME OF DRILLER OR BORER <i>Henry Mains</i>	LICENCE NUMBER
SIGNATURE OF CONTRACTOR	SUBMISSION DATE DAY <i>20</i> MO <i>11</i> YR <i>82</i>

DATA SOURCE <i>1</i>	CONTRACTOR <i>3644</i>	DATE RECEIVED <i>11 01 83</i>
DATE OF INSPECTION	INSPECTOR	
REMARKS		



Ontario

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COUNTY OR DISTRICT

TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE

CON BLOCK TRACT, SURVEY, ETC

LOT 25-27

OWNER (SURNAME FIRST

ADDRESS

DATE COMPLETED 2/1

1000

21

UT 118

EASTING
434399

NORTHING
500

RC SELF MON
4-031

BASIN CODE
26

[illegible]

31

001520512

0084215

32

WATER RECORD

WATER FOUND AT - FEET		KIND OF WATER	
10-13	1 ☒ FRESH 2 ☐ SALTY	3 ☐ SULPHUR 4 ☐ MINERAL	14
15-18	1 ☐ FRESH 2 ☐ SALTY	3 ☐ SULPHUR 4 ☐ MINERAL	19
20-23	1 ☐ FRESH 2 ☐ SALTY	3 ☐ SULPHUR 4 ☐ MINERAL	24
25-28	1 ☐ FRESH 2 ☐ SALTY	3 ☐ SULPHUR 4 ☐ MINERAL	29
30-33	1 ☐ FRESH 2 ☐ SALTY	3 ☐ SULPHUR 4 ☐ MINERAL	34

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
96.11 64	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	12 188		13-16 0021
17-18 26	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE	19		20-23 2084
24-25	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	26		27-30

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

61		PLUGGING & SEALING RECORD	
DEPTH SET AT - FEET		MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)	
FROM	TO		
0-13	21 ¹⁴ -17	Cement grouted	
18-21	22-25		
26-29	30-33		
	80		

PUMPING TEST	PUMPING TEST METHOD		PUMPING RATE		DURATION OF PUMPING	
	1 ☒ PUMP 2 ☐ BAILER		0020		01:15-16:00 17-18 MINS	
	STATIC LEVEL		WATER LEVEL END OF PUMPING		1 ☒ PUMPING 2 ☐ RECOVERY	
	19-21		22-24		15 MINUTES 30 MINUTES 45 MINUTES 60 MINUTES	
	007 FEET		030 FEET		030 FEET 030 FEET 030 FEET 030 FEET	
IF FLOWING GIVE RATE		PUMP INTAKE SET AT		WATER AT END OF TEST		
38-41		FEET		42		
RECOMMENDED PUMP TYPE		RECOMMENDED PUMP SETTING		RECOMMENDED PUMPING RATE		
1 ☒ SHALLOW ☐ DEEP		030 FEET		0010 GPM		

LOCATION OF WELL

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

↑

A hand-drawn diagram showing a right-angled triangle. The vertical side is labeled "Queen St." and the horizontal side is labeled "Ottawa St.". A point is marked on the vertical line, and a horizontal arrow labeled "17m" points left from it to the horizontal line. A vertical arrow labeled "18m" points up from the horizontal line to the point.

DRILLERS REMARKS

CONTRACTOR	NAME OF WELL CONTRACTOR		LICENCE NUMBER
	Henry Mains Well Drilling		3644
	ADDRESS		
	Box 326 Richmond Ont.		
	NAME OF DRIVER OR BORER		LICENCE NUMBER
SIGNATURE OF CONTRACTOR 		SUBMISSION DATE DAY 29 MO 10 YEAR 83	

OFFICE USE ONLY	DATA SOURCE	58	CONTRACTOR	59-62	DATE RECEIVED	60	61	62
	1		3644		08 11 83			
	DATE OF INSPECTION		INSPECTOR					
REMARKS								



The Ontario Water Resources Act

WATER WELL RECORD

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15701

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|C,d,N

103

COUNTY OR DISTRICT

TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE

CON. BLOCK, TRACT. SURVEY ET
Queen St

LOT 25.27
022

DATE COMPLETED DAY 13 MO 10 48-53 YR 83

ING
003299

RC.
4

ELEVATION
0310

RC.
4

BASIN CODE
26

01

1

IV

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

[illegible][illegible]

WATER RECORD

WATER FOUND AT - FEET		KIND OF WATER			
00-13	1 ☒ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL	14			
15-18	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL	19			
20-23	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL	24			
25-28	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL	29			
30-33	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL	34			

CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
10-11 9 1/4 9	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	12 188		13-16 00021
17-18 06	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE	19		20-23 20043
24-25	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	26		27-30

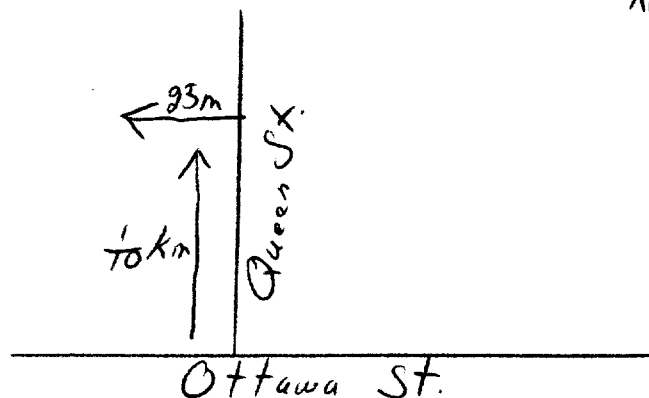
PLUGGING & SEALING RECORD

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

71	PUMPING TEST METHOD		10	PUMPING RATE		11-14	DURATION OF PUMPING		17-18
	1 ☒ PUMP 2 ☐ BAILER			0020		GPM	01 15-16 00		HOURS MINS
	STATIC LEVEL	WATER LEVEL END OF PUMPING	25	WATER LEVELS DURING			1 ☒ PUMPING 2 ☐ RECOVERY		
	19-21	22-24	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES			
	010	025	025 ¹⁹⁻²¹	025 ²²⁻²⁴	025	025	025	025	
FEET		FEET	FEET	FEET	FEET	FEET	FEET	FEET	
IF FLOWING, GIVE RATE			30-41	PUMP INTAKE SET AT			WATER AT END OF TEST		
			GPM	FEET			1 ☐ CLEAR 2 ☒ CLOUDY		
RECOMMENDED PUMP TYPE			RECOMMENDED PUMP SETTING			RECOMMENDED PUMPING RATE			46-49
☒ SHALLOW ☐ DEEP			025			0010			GPM
50-53									

LOCATION OF WELL

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

**FINAL
STATUS
OF WELL**

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

WATER USE

[illegible]

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		

DRILLERS REMARKS

CONTRACTOR	NAME OF WELL CONTRACTOR <i>Henry Main's Well Drilling</i>		LICENCE NUMBER <i>3644</i>
	ADDRESS <i>Box 326, Richmond Ont.</i>		
	NAME OF DRILLER OR BORER <i>Henry Main</i>		LICENCE NUMBER
	SIGNATURE OF CONTRACTOR		SUBMISSION DATE DAY <i>15</i> MO. <i>10</i> YR. <i>93</i>

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DATA SOURCE	58	CONTRACTOR	59-62	DATE RECEIVED	63	60
	1	3644		09 11 83		
DATE OF INSPECTION		INSPECTOR				
REMARKS						



The Ontario Water Resources Act

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WATER WELL RECORD

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C.D.N.

03

COUNTY OR DISTRICT

TOWNSHIP BURGESS CITY TOWN VILLAGE

10	14
CON. BLOC. TRACK CARMEN FR.	

22 23 24

DATE COMPLETED 48-53
DAY 18 MO 05 YR 84

ING

ELEVATION

BASIN CODE

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

[illegible]

31 001020511 0063215

WATER RECORD

WATER FOUND AT - FEET		KIND OF WATER			
10-13 0058	1 ☒ FRESH	3 ☐ SULPHUR			
	2 ☐ SALTY	4 ☐ MINERAL			
15-18	1 ☐ FRESH	3 ☐ SULPHUR			
	2 ☐ SALTY	4 ☐ MINERAL			
20-23	1 ☐ FRESH	3 ☐ SULPHUR			
	2 ☐ SALTY	4 ☐ MINERAL			
25-28	1 ☐ FRESH	3 ☐ SULPHUR			
	2 ☐ SALTY	4 ☐ MINERAL			
30-33	1 ☐ FRESH	3 ☐ SULPHUR			
	2 ☐ SALTY	4 ☐ MINERAL			

CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES		MATERIAL		WALL THICKNESS INCHES		DEPTH-- FEET		
						FROM	TO	
06 1/4 64	10-11	1 ☐ STEEL	2	-188		010022	13-16	
		2 ☐ GALVANIZED						
		3 ☐ CONCRETE						
		4 ☐ OPEN HOLE						
06	17-18	1 ☐ STEEL	19			22063	20-23	
		2 ☐ GALVANIZED						
		3 ☐ CONCRETE						
		4 ☐ OPEN HOLE						
	24-25	1 ☐ STEEL	26				27-30	
		2 ☐ GALVANIZED						
		3 ☐ CONCRETE						
		4 ☐ OPEN HOLE						

PLUGGING & SEALING RECORD

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

71 PUMPING TEST	PUMPING TEST METHOD		10	PUMPING RATE		11-14	DURATION OF PUMPING		17-18
	1 ☐ PUMP 2 ☐ BAILER			0020		GPM	01 15-16 HOURS 00		WINS
	STATIC LEVEL		WATER LEVEL END OF PUMPING	25	WATER LEVELS DURING				1 ☒ PUMPING 2 ☐ RECOVERY
	19-21 006 FEET	22-24 030 FEET	15 MINUTES 28-28 030 FEET	30 MINUTES 29-31 030 FEET	45 MINUTES 32-34 030 FEET	60 MINUTES 35-37 030 FEET			
	IF FLOWING, GIVE RATE		38-41	PUMP INTAKE SET AT		WATER AT END OF TEST		42	
			GPM	FEET		1 ☐ CLEAR 2 ☒ MUDDY			
RECOMMENDED PUMP TYPE ☐ SHALLOW ☐ DEEP			RECOMMENDED PUMP SETTING		43-45	RECOMMENDED PUMPING RATE		46-49	
			030		FEET	00/0		GPM	
50-53									

LOCATION OF WELL

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

N.

**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
2 ☐ ROTARY (CONVENTIONAL)
3 ☐ ROTARY (REVERSE)
4 ☐ ROTARY (AIR)
5 ☒ AIR PERCUSSION | 6 ☐ BORING
7 ☐ DIAMOND
8 ☐ JETTING
9 ☐ DRIVING |
|---|---|

DRILLERS REMARKS

OFFICE USE ONLY

DATA SOURCE	58 1	CONTRACTOR 3644	59-62 DATE RECEIVED 03 07 84	63-68 00
DATE OF INSPECTION		INSPECTOR		
REMARKS				

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Ontario

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WATER WELL RECORD

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COUNTY OR DISTRICT

TOWNSHIP BURGESS CITY TOWN VILLAGE

10	14
CON. BLOC. TRACK CARMEN FR.	

22 23 24

DATE COMPLETED 48-53
DAY 18 MO 05 YR 84

ING

ELEVATION

RC BASIN CODE

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

[illegible]

31 001020511 0063215

WATER RECORD

WATER FOUND AT - FEET		KIND OF WATER			
10-13 0058	1 ☒ FRESH	3 ☐ SULPHUR			
	2 ☐ SALTY	4 ☐ MINERAL			
15-18	1 ☐ FRESH	3 ☐ SULPHUR			
	2 ☐ SALTY	4 ☐ MINERAL			
20-23	1 ☐ FRESH	3 ☐ SULPHUR			
	2 ☐ SALTY	4 ☐ MINERAL			
25-28	1 ☐ FRESH	3 ☐ SULPHUR			
	2 ☐ SALTY	4 ☐ MINERAL			
30-33	1 ☐ FRESH	3 ☐ SULPHUR			
	2 ☐ SALTY	4 ☐ MINERAL			

CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES		MATERIAL		WALL THICKNESS INCHES		DEPTH-- FEET		
						FROM	TO	
06 1/4 64	10-11	1 ☐ STEEL	2	-188		010022	13-16	
		2 ☐ GALVANIZED						
		3 ☐ CONCRETE						
		4 ☐ OPEN HOLE						
06	17-18	1 ☐ STEEL	19			22063	20-23	
		2 ☐ GALVANIZED						
		3 ☐ CONCRETE						
		4 ☐ OPEN HOLE						
	24-25	1 ☐ STEEL	26				27-30	
		2 ☐ GALVANIZED						
		3 ☐ CONCRETE						
		4 ☐ OPEN HOLE						

PLUGGING & SEALING RECORD

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

71 PUMPING TEST	PUMPING TEST METHOD		10	PUMPING RATE		11-14	DURATION OF PUMPING		17-18
	1 ☐ PUMP 2 ☐ BAILER			0020		GPM	01 15-16 HOURS		WINS
	19-21 006 FEET		22-24 030 FEET	25 WATER LEVELS DURING		1 ☒ PUMPING 2 ☐ RECOVERY			
				15 MINUTES 030 FEET	30 MINUTES 28-28 030 FEET	45 MINUTES 29-31 030 FEET	60 MINUTES 32-34 030 FEET	75-77 030 FEET	
	IF FLOWING GIVE RATE		38-41 GPM	PUMP INTAKE SET AT FEET		WATER AT END OF TEST FEET		42	
RECOMMENDED PUMP TYPE 1 ☐ SHALLOW 2 ☐ DEEP			RECOMMENDED PUMP SETTING	43-45 030 FEET	RECOMMENDED PUMPING RATE		46-49 00/0 GPM		
50-53									

LOCATION OF WELL

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

N.

**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 | ☒ LAIR PERCUSSION | | |

DRILLERS REMARKS

OFFICE USE ONLY

DATA SOURCE	58 1	CONTRACTOR 3644	59-62 DATE RECEIVED 03 07 84	63-68 63-68
DATE OF INSPECTION		INSPECTOR		
REMARKS				

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506-4-77 FORM 7



Ontario

The Ontario Water Resources Act

31648

WATER WELL RECORD

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

11

1519025

MUNICIP.
15701

CON.
C.D.N.

03

COUNTY OR DISTRICT

TOWNSHIP BOROUGHS CITY TOWN VILLAGE

10	14
CON	BLDG

22 23 24

DATE COMPLETED 48-53
DAY 18 MO 05 YR 84

ING

ELEVATION

RC BASIN CODE

Age Group	Total (%)	Male (%)	Female (%)	Unknown (%)
18-24	28	25	30	25
25-34	22	20	24	20
35-44	18	16	20	16
45-54	12	10	14	10
55-64	8	6	10	6
65+	2	1	3	1

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

[illegible]

31 001020511 0063215

32

WATER RECORD

WATER FOUND AT - FEET		KIND OF WATER			
10-13 0058	1 ☒ FRESH	3 ☐ SULPHUR			
	2 ☐ SALTY	4 ☐ MINERAL			
15-18	1 ☐ FRESH	3 ☐ SULPHUR			
	2 ☐ SALTY	4 ☐ MINERAL			
20-23	1 ☐ FRESH	3 ☐ SULPHUR			
	2 ☐ SALTY	4 ☐ MINERAL			
25-28	1 ☐ FRESH	3 ☐ SULPHUR			
	2 ☐ SALTY	4 ☐ MINERAL			
30-33	1 ☐ FRESH	3 ☐ SULPHUR			
	2 ☐ SALTY	4 ☐ MINERAL			

CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES		MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
				FROM	TO
10-11	1 ☒ STEEL	13-16			
2 ☐ GALVANIZED					
3 ☐ CONCRETE					
4 ☐ OPEN HOLE					
17-18	1 ☐ STEEL	19			20-21
2 ☐ GALVANIZED					
3 ☐ CONCRETE					
4 ☐ OPEN HOLE					
24-25	1 ☐ STEEL	26			27-30
2 ☐ GALVANIZED					
3 ☐ CONCRETE					
4 ☐ OPEN HOLE					

PLUGGING & SEALING RECORD

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

PUMPING TEST	PUMPING TEST METHOD		10	PUMPING RATE		11-14	DURATION OF PUMPING		17-18		
	1 ☐ PUMP 2 ☐ BAILER			0020		GPM	01-15 HOURS		17-18 MINS		
	STATIC LEVEL		25 WATER LEVELS DURING		1 ☒ PUMPING						
	WATER LEVEL END OF PUMPING				2 ☐ RECOVERY						
	19-21		22-24		15 MINUTES		30 MINUTES		45 MINUTES		60 MINUTES
006		030		030		030		030		030	
FEET		FEET		FEET		FEET		FEET		FEET	
IF FLOWING, GIVE RATE		38-41		PUMP INTAKE SET AT		WATER AT END OF TEST		42			
		GPM				FEET		1 ☐ CLEAR 2 ☒ CLOUDY			
RECOMMENDED PUMP TYPE		RECOMMENDED PUMP SETTING		43-45		RECOMMENDED PUMPING RATE		46-49			
☐ SHALLOW ☐ DEEP		030		FEET		0010		GPM			
50-53											

LOCATION OF WELL

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

N.

11m

10kn

Queen St

Ottawa

**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 | ☒ IMPERCUSSION | | |

DRILLERS REMARKS

CONTRACTOR

NAME OF WELL CONTRACTOR <i>Kenny Maine Well Drilling</i>		LICENCE NUMBER <i>3644</i>
ADDRESS <i>Box 326, Richmond Ont.</i>		
NAME OF DRILLER OR BORER <i>J. Jones</i>		LICENCE NUMBER
SIGNATURE OF CONTRACTOR		SUBMISSION DATE DAY <i>28</i> MO <i>5</i> YR <i>8</i>

OFFICE USE ONLY

DATA SOURCE	58 1	CONTRACTOR 3644	59-62 DATE RECEIVED 030784	63-68 80
DATE OF INSPECTION		INSPECTOR		
REMARKS				

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

11

1519027

MUNICIPALITY 15701

CON. CQN

03

COUNTY OR DISTRICT

TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE

CON. BLOCK, TRACT, SURVEY ETC

LOT

Carleton Place

Richmond

Queen St

023

DATE COMPLETED

DAY 02 MO 05 YR 84

003199

4

ELEVATION 0310

4

26

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
grey	clay	stone		0	12
grey	hardpan			12	19
grey	limestone			19	84

31 001270512 0019214 0084215

32

41 WATER RECORD

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

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET
06.11	1 ☒ STEEL	12	FROM TO
06.11	2 ☐ GALVANIZED		
06.11	3 ☐ CONCRETE		
06.11	4 ☐ OPEN HOLE		
17-18	1 ☐ STEEL	19	20-23
17-18	2 ☐ GALVANIZED		
17-18	3 ☐ CONCRETE		
17-18	4 ☐ OPEN HOLE		
24-25	1 ☐ STEEL	26	27-30
24-25	2 ☐ GALVANIZED		
24-25	3 ☐ CONCRETE		
24-25	4 ☐ OPEN HOLE		

SCREEN

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

61 PLUGGING & SEALING RECORD

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

71 PUMPING TEST METHOD

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☒ PUMP 2 ☐ BAILER	0020 GPM	01 00 HOURS
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING
19-21	030	15 MINUTES 030 30 MINUTES 030 45 MINUTES 030 60 MINUTES 030
IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
	GPM	FEET
RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
1 ☒ SHALLOW 2 ☐ DEEP	030	0006

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

OFFICE USE ONLY

DATA SOURCE	CONTRACTOR	DATE RECEIVED
1	3644	03 07 84
DATE OF INSPECTION	INSPECTOR	
REMARKS		

Print only in spaces provided.

Mark correct box with a checkmark, where applicable.

11

1532281

Municipality

Con

15701

Part 5 Plan 4R 16175

County or District Ottawa-Carleton	Township/Borough/City/Town/Village Richmond	Con block tract survey, etc. 6297 Ottawa St #3	Lot 23
Owner's surname Glennan Holmes	First Name Richmond	Address Ottawa	Date completed 01 08 01 day month year

21

Zone Easting Northing RC Elevation RC Basin Code II III IV

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)

[illegible][illegible]

41	10	14	15	21
WATER RECORD				
Water found at - feet	Kind of water			
10-13	1 ☒ Fresh	3 ☐ Sulphur	14	
50	2 ☐ Salty	4 ☐ Minerals		
		5 ☐ Gas		
15-18	1 ☐ Fresh	3 ☐ Sulphur	19	
53	2 ☐ Salty	4 ☐ Minerals		
		5 ☐ Gas		
20-23	1 ☒ Fresh	3 ☐ Sulphur	24	
55	2 ☐ Salty	4 ☐ Minerals		
		5 ☐ Gas		
25-28	1 ☐ Fresh	3 ☐ Sulphur	29	
	2 ☐ Salty	4 ☐ Minerals		
		5 ☐ Gas		
30-33	1 ☐ Fresh	3 ☐ Sulphur	34	
	2 ☐ Salty	4 ☐ Minerals		
		5 ☐ Gas		

51* CASING & OPEN HOLE RECORD				
Inside diam inches	Material	Wall thickness inches	Depth - feet	
			From	To
10-11	☒ Steel ☐ Galvanized ☐ Concrete ☐ Open hole ☐ Plastic	12		13-16
6 1/4		188	0	33
17-18	☐ Steel ☐ Galvanized ☐ Concrete ☒ Open hole ☐ Plastic	19		20-23
83 1/4			0	31
24-25	☐ Steel ☐ Galvanized ☐ Concrete ☐ Open hole ☒ Plastic	26		27-30
6			31	63

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

61	PLUGGING & SEALING RECORD			
☒ Annular space		☐ Abandonment		
Depth set at - feet		Material and type (Cement grout, bentonite, etc.)		
From	To	Cement grout		
10-13	14-17			
2	33			
18-21	22-25			
26-29	30-33	80		

PUMPING TEST	Pumping test method 10 ☒ Pump 2 ☐ Bailer		Pumping rate 25 ¹¹⁻¹⁴ GPM		Duration of pumping 1 ¹⁵⁻¹⁶ Hours 17 ¹⁷⁻¹⁸ Mins	
	Static level	Water level end of pumping	25 Water levels during 1 ☐ Pumping ☒ Recovery			
	19-21 13 feet	22-24 50 feet	15 minutes ²⁵⁻²⁸ 13 feet	30 minutes ²⁹⁻³¹ 13 feet	45 minutes ³²⁻³⁴ 13 feet	60 minutes ³⁵⁻³⁷ 13 feet
	If flowing give rate 38-41 GPM	Pump intake set at feet		Water at end of test 42 ☐ Clear ☒ Cloudy		
	Recommended pump type ☐ Shallow ☒ Deep	Recommended pump setting 43-45 50 feet		Recommended pump rate 46-49 25 GPM		

FINAL STATUS OF WELL			54
1 ☒ Water supply	5 ☐ Abandoned, insufficient supply	9 ☐ Unfinished	
2 ☐ Observation well	6 ☐ Abandoned, poor quality	10 ☐ Replacement well	
3 ☐ Test hole	7 ☐ Abandoned (Other)		
4 ☐ Recharge well	8 ☐ Dewatering		

WATER USE			55-56
1 ☒ Domestic	5 ☐ Commercial	9 ☐ Not use	
2 ☐ Stock	6 ☐ Municipal	10 ☐ Other	
3 ☐ Irrigation	7 ☐ Public supply		
4 ☐ Industrial	8 ☐ Cooling & air conditioning		

METHOD OF CONSTRUCTION			57
1 ☐ Cable tool	5 ☒ Air percussion	9 ☐ Driving	
2 ☐ Rotary (conventional)	6 ☐ Boring	10 ☐ Digging	
3 ☐ Rotary (reverse)	7 ☐ Diamond	11 ☐ Other	
4 ☐ Rotary (air)	8 ☐ Jetting		

LOCATION OF WELL

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

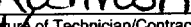
0.1 km

90'

Queen St

Ottawa St

234302

Name of Well Contractor	Well Contractor's Licence No.
Arko Drilling Co Ltd	1119
Address	
Rt #2 Jasper, Ont	
Name of Well Technician	Well Technician's Licence No.
Shannon Purcell	Ta122
Signature of Technician/Contractor	Submission date
	13 08 01 day mo yr

MINISTRY USE ONLY	Data source	58 Contractor	59-62	Date received	63-68	
		1119		SEP 20 2001		
	Date of inspection	Inspector				
	Remarks	CSS.ES1				

Print only in spaces provided.

Mark correct box with a checkmark, where applicable.

11

1532446

Municipality

Con.

1579

93A Queen St

County or District Ottawa Carleton	Township/Borough/City/Town/Village Richmond	Con block tract survey, etc. NA	Lot NA
Owner's surname Glenlyn Homes	First Name Richmond, ont	Date completed 13 day 09 month 01 year	

Figure 1 shows a schematic diagram of a data entry form. The form is divided into several sections, each with a set of checkboxes and a scale bar. The sections are: Zone, Easting, Northing, RC, Elevation, RC, Basin Code, and a final section with Roman numerals II, III, and IV. The Zone section has a box for '21' and a scale bar from 1 to 2. The Easting section has a scale bar from 12 to 17. The Northing section has a scale bar from 18 to 24. The RC section has a scale bar from 25 to 30. The Elevation section has a scale bar from 26 to 30. The RC section has a scale bar from 31 to 47. The Basin Code section has a scale bar from 31 to 47. The final section has a scale bar from 31 to 47.

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)

[illegible]

31

32

41	10	14	15	21
WATER RECORD				
Water found at - feet		Kind of water		
62	10-13	☒ Fresh ☐ Salty	☐ Sulphur ☒ Minerals ☐ Gas	14
	15-18	☒ Fresh ☐ Salty	☐ Sulphur ☒ Minerals ☐ Gas	19
71	20-23	☐ Fresh ☐ Salty	☐ Sulphur ☐ Minerals ☐ Gas	24
	25-28	☐ Fresh ☐ Salty	☐ Sulphur ☐ Minerals ☐ Gas	29
	30-33	☐ Fresh ☐ Salty	☐ Sulphur ☐ Minerals ☐ Gas	34

CASING & OPEN HOLE RECORD				
Inside diam inches	Material	Wall thickness inches	Depth - feet	
			From	To
10-11	☒ Steel ☐ Galvanized ☐ Concrete ☐ Open hole ☐ Plastic	12		13-16
6 1/4		188	0	22
17-18	☐ Steel ☐ Galvanized ☐ Concrete ☐ Open hole ☐ Plastic	19		20-23
9 3/4			0	20
24-25	☐ Steel ☐ Galvanized ☐ Concrete ☒ Open hole ☐ Plastic	26		27-30
6			20	82

SCREEN	Sizes of opening (Slot No.)	31-33	Diameter	34-38	Length	39-40
			inches		feet	
	Material and type			Depth at top of screen		
				feet		

61	PLUGGING & SEALING RECORD		
☒ Annular space		☐ Abandonment	
Depth set at - feet		Material and type (Cement grout, bentonite, etc.)	
From	To		
10-13	22-17	cement grout	
18-21	22-25		
26-29	30-33		
		80	

PUMPING TEST	Pumping test method ¹⁰ ☒ Pump ² ☐ Bailer		Pumping rate ⁸ ¹¹⁻¹⁴ GPM		Duration of pumping ¹ ¹⁵⁻¹⁶ Hours ¹⁷⁻¹⁸ Mins	
	Static level	Water level end of pumping	Water levels during ²⁵ ☐ Pumping ☒ Recovery			
	¹⁹⁻²¹ 14 feet	²²⁻²⁴ 78 feet	²⁶⁻²⁸ 15 minutes	²⁹⁻³¹ 30 minutes	³²⁻³⁴ 45 minutes	³⁵⁻³⁷ 60 minutes
			feet	feet	feet	feet
	If flowing give rate ³⁸⁻⁴¹ GPM		Pump intake set at ^{feet}		Water at end of test ⁴² ☐ Clear ☒ Cloudy	
	Recommended pump type ☐ Shallow ☒ Deep	Recommended pump setting ⁴³⁻⁴⁵ 78 feet	Recommended pump rate ⁸ GPM			
50-53						

FINAL STATUS OF WELL 54

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

WATER USE 55-56

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

METHOD OF CONSTRUCTION 57

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

LOCATION OF WELL

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

Diagram illustrating the location of a well relative to the road and lot line:

- The well is located 120' south of Burke St.
- The well is located 90' west of the lot line.
- The lot line is labeled Queen St.
- The address is 93A Queen St.
- The parcel number is 234398.

Name of Well Contractor Ari Koch Drilling Ltd	Well Contractor's Licence No. 1119
Address RR#2 Jasper, Ont	
Name of Well Technician Shannon Purcell	Well Technician's Licence No. 12122
Signature of Technician/Contractor 	Submission date 10 mo 01 day

MINISTRY USE ONLY	Data source	58 Contractor	59-62	Date received	63-68
		1119		NOV 02 2001	
	Date of inspection	Inspector			
	Remarks				
	CSC.ES1				

Print only in spaces provided.

Mark correct box with a checkmark, where applicable.

11

1532446

Municipality

Con.

1579

93A Queen St

County or District Ottawa Carleton	Township/Borough/City/Town/Village Richmond	Con block tract survey, etc. NA	Lot NA
Owner's surname Glenlyn Homes	First Name Richmond, ont	Date completed 18 09 01	

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)

[illegible][illegible]

32

41	10	14	15	21
WATER RECORD				
Water found at - feet		Kind of water		
62	10-13	☒ Fresh ☐ Salty	☐ Sulphur ☒ Minerals ☐ Gas	14
	15-18	☒ Fresh ☐ Salty	☐ Sulphur ☒ Minerals ☐ Gas	19
71	20-23	☐ Fresh ☐ Salty	☐ Sulphur ☐ Minerals ☐ Gas	24
	25-28	☐ Fresh ☐ Salty	☐ Sulphur ☐ Minerals ☐ Gas	29
	30-33	☐ Fresh ☐ Salty	☐ Sulphur ☐ Minerals ☐ Gas	34

CASING & OPEN HOLE RECORD				
Inside diam inches	Material	Wall thickness inches	Depth - feet	
			From	To
10-11	☒ Steel ☐ Galvanized ☐ Concrete ☐ Open hole ☐ Plastic	12		13-16
6 1/4		188	0	22
17-18	☐ Steel ☐ Galvanized ☐ Concrete ☐ Open hole ☐ Plastic	19		20-23
9 3/4			0	20
24-25	☐ Steel ☐ Galvanized ☐ Concrete ☒ Open hole ☐ Plastic	26		27-30
6			20	82

SCREEN	Sizes of opening (Slot No.)	31-33	Diameter	34-38	Length	39-40
			inches		feet	
	Material and type			Depth at top of screen		31
				feet		41-44

61	PLUGGING & SEALING RECORD			
☒ Annular space		☐ Abandonment		
Depth set at - feet		Material and type (Cement grout, bentonite, etc.)		
From	To			
10-13	22-17	cement grout		
18-21	22-25			
26-29	30-33			
		80		

PUMPING TEST	Pumping test method ¹⁰ ☒ Pump ² ☐ Bailer		Pumping rate ¹¹⁻¹⁴ 8 GPM		Duration of pumping ¹⁵⁻¹⁶ 1 Hours ¹⁷⁻¹⁸ 00 Mins	
	Static level	Water level end of pumping	Water levels during ²⁵ 1 ☐ Pumping ☒ Recovery			
	14 ¹⁹⁻²¹ feet	78 ²²⁻²⁴ feet	15 minutes ²⁶⁻²⁸ 14 feet	30 minutes ²⁹⁻³¹ 14 feet	45 minutes ³²⁻³⁴ 14 feet	60 minutes ³⁵⁻³⁷ 14 feet
	If flowing give rate ³⁸⁻⁴¹ GPM		Pump intake set at feet		Water at end of test ⁴² ☐ Clear ☒ Cloudy	
	Recommended pump type ☐ Shallow ☒ Deep		Recommended pump setting ⁴³⁻⁴⁵ 78 feet		Recommended pump rate ⁴⁶⁻⁴⁹ 8 GPM	
	50-53					

FINAL STATUS OF WELL 54

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

WATER USE 55-56

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

METHOD OF CONSTRUCTION 57

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

LOCATION OF WELL

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

Burke St

120'

90'

Queen St.

93A Queen St

234398

Name of Well Contractor	Well Contractor's Licence No.
Arkoach Drilling Ltd	1119
Address	
RR#2 Jasper, Ont	
Name of Well Technician	Well Technician's Licence No.
Shannon Purcell	12122
Signature of Technician/Contractor	Submission date
	10 mo 01
	day mo yr

MINISTRY USE ONLY	Data source	58 Contractor	59-62	Date received	63-68	8
		1119		NOV 02 2001		
	Date of inspection	Inspector				
	Remarks					
	CSC.ES1					



Print only in spaces provided.

Mark correct box with a checkmark, where applicable.

11

1532447

Municipality

Con.

15701 15 22 23 24
95 Queen St

County or District Ottawa Carleton		Township/Borough/City/Town/Village Richmond		Con block tract survey, etc. NA		Lot NA	
Owner's surname Glennlyn Homes		First Name		Address Richmond, Ont		Date completed 18 09 01	
Year		Eastings		Northings		RC	
						Basin Code	
						ii	
						iii	
						iv	

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)[illegible]

31

32

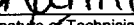
41 WATER RECORD				51 CASING & OPEN HOLE RECORD				61 PLUGGING & SEALING RECORD					
Water found at - feet		Kind of water		Inside diam inches		Material		Wall thickness inches		Depth - feet		Screen	
										From		To	
10-13		Fresh		10-11		Steel				13-16		31-33	
2		Sulphur		6 1/4		Galvanized		188		0		34-38	
15-18		Salty		17-18		Concrete				20		39-40	
2		Sulphur		8 3/4		Open hole				20		41-44	
		Minerals				Plastic				20		feet	
20-23		Sulphur		24-25		Steel				20		feet	
1		Minerals		6		Galvanized				20			
2		Gas				Concrete				20			
25-28		Sulphur				Open hole				20			
1		Minerals				Plastic				20			
2		Gas								20			
30-33		Sulphur								20			
1		Minerals								20			
2		Gas								20			

PUMPING TEST	Pumping test method ¹⁰ 1 ☒ Pump 2 ☐ Bailer		Pumping rate ¹¹⁻¹⁴ 25 GPM		Duration of pumping ¹⁵⁻¹⁶ 1 Hours ¹⁷⁻¹⁸ Mins	
	Static level	Water level end of pumping	Water levels during ²⁵ 1 ☐ Pumping ☒ Recovery			
	¹⁹⁻²¹ 13 feet	²²⁻²⁴ 55 feet	²⁵ 15 minutes ²⁶⁻²⁸ 13 feet	²⁹⁻³¹ 30 minutes ³²⁻³⁴ 13 feet	³⁵⁻³⁷ 45 minutes ³⁸⁻⁴¹ 13 feet	⁴² 60 minutes ⁴³⁻⁴⁵ 13 feet
	If flowing give rate ³⁸⁻⁴¹ GPM		Pump intake set at ⁴² feet		Water at end of test ☐ Clear ☒ Cloudy ⁴⁶⁻⁴⁹	
	Recommended pump type ☐ Shallow ☒ Deep		Recommended pump setting ⁴³⁻⁴⁵ 55 feet		Recommended pump rate ⁴⁶⁻⁴⁹ 25 GPM	
	50-53					

FINAL STATUS OF WELL		54
1 ☒ Water supply	5 ☐ Abandoned, insufficient supply	9 ☐ Unfinished
2 ☐ Observation well	6 ☐ Abandoned, poor quality	10 ☐ Replacement well
3 ☐ Test hole	7 ☐ Abandoned (Other)	
4 ☐ Recharge well	8 ☐ Dewatering	

WATER USE		55-56
1 ☒ Domestic	5 ☐ Commercial	9 ☐ Not use
2 ☐ Stock	6 ☐ Municipal	10 ☐ Other
3 ☐ Irrigation	7 ☐ Public supply	
4 ☐ Industrial	8 ☐ Cooling & air conditioning	

METHOD OF CONSTRUCTION		57
1 ☐ Cable tool	5 ☒ Air percussion	9 ☐ Driving
2 ☐ Rotary (conventional)	6 ☐ Boring	10 ☐ Digging
3 ☐ Rotary (reverse)	7 ☐ Diamond	11 ☐ Other
4 ☐ Rotary (air)	8 ☐ Jetting	

Name of Well Contractor A. Koch Drilling Ltd	Well Contractor's Licence No. 1119
Address RR#2 Jasper, Ont	
Name of Well Technician Shannon Purcell	Well Technician's Licence No. 12122
Signature of Technician/Contractor 	Submission date 08 10 01 day mo yr

LOCATION OF WELL

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

200'

55'

Queen St

95 Queen St 234399

MINISTRY USE ONLY	Data source	58 Contractor	59-62	Date received	63-68
		1119		NOV 02 2001	
	Date of inspection	Inspector			
	Remarks				

Print only in spaces provided.

Mark correct box with a checkmark, where applicable.

11

1532447

Municipality

Con.

15701 10 14 15 22 23 24
95 Queen St

County or District Ottawa Carleton		Township/Borough/City/Town/Village Richmond		Con block tract survey, etc. NA		Lot NA	
Owner's surname Glennlyn Homes		First Name		Address Richmond, Ont		Date completed 18 09 01	
28-47						48-53	
Zone		Easting		Northing		RC	
						Elevation	
						RC	
						Basin Code	
						ii	
						iii	
						iv	

Zone	Easting	Northing	U.T. No.	Elevation	U.T. Zone	U.T. Easting	U.T. Northing
21	12 17	18 24	25	26	30	31 47	

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)[illegible]

31

32

10 14 15 21 32 43 54 65 75 8

41		42		43		44		45		46		47	
WATER RECORD													
Water found at - feet				Kind of water									
58				10-13		☒ Fresh ☐ Salty		☐ Sulphur ☐ Minerals ☐ Gas		14			
				15-18		☐ Fresh ☐ Salty		☐ Sulphur ☐ Minerals ☐ Gas		19			
				20-23		☐ Fresh ☐ Salty		☐ Sulphur ☐ Minerals ☐ Gas		24			
				25-28		☐ Fresh ☐ Salty		☐ Sulphur ☐ Minerals ☐ Gas		29			
				30-33		☐ Fresh ☐ Salty		☐ Sulphur ☐ Minerals ☐ Gas		34			

51 CASING & OPEN HOLE RECORD				
Inside diam inches	Material	Wall thickness inches	Depth - feet	
			From	To
10-11 6 1/4	☒ Steel ☐ Galvanized ☐ Concrete ☐ Open hole ☐ Plastic	12 188	0	13-16 22
17-18 8 3/4	☐ Steel ☐ Galvanized ☐ Concrete ☒ Open hole ☐ Plastic	19	0	20-23 20
24-25 6	☐ Steel ☐ Galvanized ☒ Concrete ☐ Open hole ☐ Plastic	26	20	27-30 65

SCREEN	Sizes of opening (Slot No.)	31-33	Diameter	34-38	Length	39-40
			inches		feet	
	Material and type			Depth at top of screen	41-44	35
				feet		

61 PLUGGING & SEALING RECORD			
☒ Annular space		☐ Abandonment	
Depth set at - feet		Material and type (Cement grout, bentonite, etc.)	
From	To		
10-13	14-17	Cement grout	
18-21	22-25		
26-29	30-33	80	

71	Pumping test method 10 1 ☒ Pump 2 ☐ Bailer		Pumping rate 11-14 25 GPM		Duration of pumping 15-18 1 Hours 17-18 Mins	
	Static level		25 Water levels during 1 ☐ Pumping 2 ☒ Recovery			
	Water level end of pumping					
	13 19-21 feet		55 22-24 feet		13 25-28 feet	
	13 29-31 feet		13 32-34 feet		13 35-37 feet	
PUMPING TEST	If flowing give rate 38-41 GPM		Pump intake set at feet		Water at end of test 42 ☐ Clear ☒ Cloudy	
	Recommended pump type ☐ Shallow ☒ Deep		Recommended pump setting 43-45 55 feet		Recommended pump rate 46-49 25 GPM	
	50-53					

FINAL STATUS OF WELL		54
1 ☒ Water supply	5 ☐ Abandoned, insufficient supply	9 ☐ Unfinished
2 ☐ Observation well	6 ☐ Abandoned, poor quality	10 ☐ Replacement well
3 ☐ Test hole	7 ☐ Abandoned (Other)	
4 ☐ Recharge well	8 ☐ Dewatering	

WATER USE		55-56
1 ☒ Domestic	5 ☐ Commercial	9 ☐ Not use
2 ☐ Stock	6 ☐ Municipal	10 ☐ Other
3 ☐ Irrigation	7 ☐ Public supply	
4 ☐ Industrial	8 ☐ Cooling & air conditioning	

METHOD OF CONSTRUCTION		57
1 ☐ Cable tool	5 ☒ Air percussion	9 ☐ Driving
2 ☐ Rotary (conventional)	6 ☐ Boring	10 ☐ Digging
3 ☐ Rotary (reverse)	7 ☐ Diamond	11 ☐ Other
4 ☐ Rotary (air)	8 ☐ Jetting	

LOCATION OF WELL

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

Burke St

200'

55'

Queen St

95 Queen St

234399

Name of Well Contractor A. Rock Drilling Ltd	Well Contractor's Licence No. 1119
Address RR#2 Jasper, Ont	
Name of Well Technician Shannon Purcell	Well Technician's Licence No. 12122
Signature of Technician/Contractor 	Submission date 08 10 01 day mo yr

MINISTRY USE ONLY	Data source	58 Contractor	59-62	Date received	63-68
	1119		NOV 02 2001		
	Date of inspection		Inspector		
	Remarks				

Instructions for Completing Form

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

Ministry Use Only

Address of Well Location (County/District/Municipality)

Township

Lot

Concession

RR#/Street Number/Name

City/Town/Village

Site/Compartment/Block/Tract etc

GPS Reading

NAD

Zone

Fasting

Nothing

Unit Make/Model

Mode of Operation:

Undifferentiated

1975

Differentiated, specify

Log of Overburden and Bedrock Materials (see instructions)

General Colour

Most common material

Other Materials

General Description

Depth

Metr.

grey clay + gravel
limestone

From	To
0	5.18
5.18	30.5

Hole Diameter		
Depth From	Metres To	Diameter Centimetres
0	30.5	15.55

Water Record			
Water found at	Metres	Kind of Water	
28.0	Gas	Fresh	Sulphur
		Salty	Minerals
Other:	not		
29.0	Gas	Fresh	Sulphur
		Salty	Minerals
Other:	tested		
	m	Fresh	Sulphur
		Salty	Minerals
Other:			
After test of well yield, water was			
☒ Clear and sediment free			
Other, specify: not tested			
Chlorinated	☒ Yes	☐ No	

Construction Record				
Inside diam centimetres	Material	Wall thickness centimetres	Depth From	Metres To
Casing				
1588	☒ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	.48	0	6.7
Screen				
Outside diam	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	Slot No.		
No Casing or Screen				
	☒ Open hole		6.1	30.5

Test of Well Yield				
Pumping test method	Draw Down	Recovery		
	Time min	Water Level Metres	Time min	Water Level Metres
Subpump				
Pump intake set at - (metres)	Static Level	2.66		15.90
Pumping rate - (litres/min)	1	5.61	1	11.64
Duration of pumping 1 hrs + min	2	7.03	2	9.32
Final water level end of pump	3	8.23	3	7.45
Recommended pump type.	4	9.15	4	5.56
☐ Shallow ☒ Deep				
Recommended pump depth	5	10.0	5	4.6
Recommended pump rate.	10	12.82	10	2.80
	15	14.07	15	2.71
If flowing give rate - (litres/min)	20	14.77	20	2.70
	25	15.19	25	2.69
If pumping discontin- ued, give reason.	30	15.45	30	2.68
	40	15.69	40	2.68
	50	15.82	50	2.67
	60	15.90	60	2.67

Plugging and Sealing Record			☒ Annular space	☐ Abandonment
Depth set at - Metres		Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)	
From	To			
6.1	0	Cement Slurry	0.2724	

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

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

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

Well Contractor/Technician Information	
Name of Well Contractor Air Rod Drilling Co Ltd	Well Contractor's Licence No. 1119
Business Address (street name, number, city etc.) RR #1 Richmond, Ont	
Name of Well Technician (last name, first name) Dwight Shannon	Well Technician's Licence No. T2122
Signature of Technician/Contractor x 	Date Submitted 2007 06 0

Location of Well			
In diagram below show distances of well from road, lot line, and building. Indicate north by arrow.			
Audit No.	Z 04931	Date Well Completed	YYY ^{YY} MM ^{DD}
		2004	0511
Was the well owner's information package delivered?	☒ Yes ☐ No	Date Delivered	YYY ^{YY} MM ^{DD}
		2004	0512

Ministry Use Only					
Data Source	Contractor				
Date Received	YYYY	MM	DD	Date of Inspection	YYYY MM DD
JUN 07 2004				11 19	
Remarks	Well Record Number				
CSS	1534653				

Instructions for Completing Form

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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 1/10th 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	1503	CON	CON					03	LOT	21
-----	------	-----	-----	--	--	--	--	----	-----	----

Ottawa Carleton

RR#/Street Number/Name

Ottawa Carleton Lot 7, Ottawa Street

GPS Reading

NAD₂ 140

Zone

Easting

Northing

Goulbourn

City/Town/Village

	21	3
Site/Compartment/Block/Tract etc.		

Unit Make/Model

Mode of Operation:	
--------------------	--

☐ Undifferentiated☒ Averaged

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523</
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8 | 3

18

4314

504

Cornin

Log of Overburden and Bedrock Materials (see instructions)

General Colour	Most common material	Other Materials	General Description	Depth From	Metres To
Brown	Clay	Stones	Packed	0	3.96
Gray	Hardpan	Boulders	Packed	3.96	7.92
Gray	Limestone	Brown Layers	Medium	7.92	39.62

Hole Diameter		
Depth	Metres	Diameter
From	To	Centimetres
0	8.53	22.75
8.53	39.62	15.23

Construction Record				
Inside diam centimetres	Material	Wall thickness centimetres	Depth	Metres
			From	To
Casing				
15.86	☒ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	0.48	+ 0.45	8.53
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
Screen				
Outside diam	☒ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	Slot No.		
No Casing or Screen				
15.23	☒ Open hole		8.53	289.62

Test of Well Yield				
Pumping test method	Draw Down		Recovery	
	Time min	Water Level Metres	Time min	Water Level Metres
submersible				
Pump intake set at - (metres) 30.48	Static Level	2.01		
Pumping rate - (litres/min) 36.4	1	4.09	1	7.66
Duration of pumping 1 hrs + ____ min	2	4.83	2	6.00
Final water level end of pumping 9.81 metres	3	5.42	3	5.05
Recommended pump type, ☐ Shallow ☒ Deep	4	5.99	4	4.14
Recommended pump depth 22.85 metres	5	6.27	5	3.68
Recommended pump rate. 36.4 (litres/min)	10	7.64	10	2.39
	15	8.38	15	2.22
If flowing give rate - (litres/min)	20	8.85	20	2.18
	25	9.11	25	2.10
If pumping discontinued, give reason.	30	9.30	30	2.15
	40	9.57	40	2.14
	50	9.70	50	2.14
	60	9.81	60	2.13

Water Record			
Water found at _____ Metres		Kind of Water	
37.79		☐ Fresh	☐ Sulphur
☐ Gas	☐ Salty	☐ Minerals	
☐ Other:	not tested		
☐ _____ m	☐ Fresh	☐ Sulphur	
☐ Gas	☐ Salty	☐ Minerals	
☐ Other:			
☐ _____ m	☐ Fresh	☐ Sulphur	
☐ Gas	☐ Salty	☐ Minerals	
☐ Other:			
After test of well yield, water was			
☒ Clear and sediment free			
☐ Other, specify _____			
Chlorinated		☒ Yes	☐ No

		Plugging and Sealing Record		☒ Annular space	☐ Abandonment
Depth set at - From	Metres To	Material and type (bentonite slurry, neat cement slurry) etc.			Volume Placed (cubic metres)
8.53	0	Grouted - Cement & Bentonite			0.232m³

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

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

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

Well Contractor/Technician Information			
Name of Well Contractor	Well Contractor's Licence No.		
Capital Water Supply Ltd.	1558		
Business Address (street name, number, city etc.)			
P.O. Box 490 Stittsville, Ontario K2S 1A6			
Name of Well Technician (last name, first name)	Well Technician's Licence No.		
S. Miller	T0097		
Signature of technician/Contractor	Date Submitted	YYYY	MM DD
		2006	6 21

Location of Well			
In diagram below show distances of well from road, lot line, and building. Indicate north by arrow.			
Audit No.	Z 13672	Date Well Completed	YYYY 2004 MM 6 DD 17
Was the well owner's information package delivered?	☒ Yes ☐ No	Date Delivered	YYYY 2003 MM 6 DD 18

Ministry Use Only				
Data Source			Contractor	
			1558	
Date Received	YYYY	MM	DD	Date of Inspection
SEP	10	2004		
Remarks			Well Record Number	
			1534958	

page of

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.
- | | |
|--|--------------------------|
| | Ministry Use Only |
|--|--------------------------|

Well Owner's Information and Location of Well Information

Ministry Use Only

[illegible]

OTAWA - CARLETON				GOULBOURN		22	3
RR#/Street Number/Name # 6299 OTTAWA STREET				City/Town/Village RICHMOND		Site/Compartment/Block/Tract etc. PLAN 4R-16175 P/L6	
GPS Reading		NAD	Zone	Easting	Northing	Unit Make/Model	
		83	18	434310	5203371	Mode of Operation:	
						☐ Undifferentiated	☒ Averaged
						☐ Differentiated, specify	

Log of Overburden and Bedrock Materials (see instructions)

[illegible]

Hole Diameter			Construction Record				Test of Well Yield					
Depth	Metres	Diameter	Inside diam centimetres	Material	Wall thickness centimetres	Metres		Pumping test method	Draw Down		Recovery	
From	To	Centimetres				From	To		Time min	Water Level Metres	Time min	Water Level Metres
0	24.99	15.23						Sub Pump				
								Pump intake set at - (metres)	Static Level	2.87		22.88
								Pumping rate - (litres/min)	1	5.54	1	17.98
								Duration of pumping 1 hrs + 0 min	2	6.62	2	16.26
								Final water level end of pumping	3	7.50	3	14.73
								Recommended pump type	4	8.26	4	13.32
								Recommended pump depth	5	8.97	5	11.83
								Recommended pump rate	10	12.30	10	8.03
								If flowing give rate - (litres/min)	15	14.60	15	3.88
									20	16.08	20	3.50
									25	17.29	25	3.35
								If pumping discontin- ued, give reason.	30	18.26	30	3.26
									40	19.87	40	3.14
									50	21.47	50	3.09
									60	22.88	60	3.04

Water Record		
Water found at	Metres	Kind of Water
20.11 m		☐ Fresh ☐ Sulphur
☐ Gas		☐ Salty ☐ Minerals
☐ Other:		NOT TESTED
22.58 m		☐ Fresh ☐ Sulphur
☐ Gas		☐ Salty ☐ Minerals
☐ Other:		NOT TESTED
	m	☐ Fresh ☐ Sulphur
☐ Gas		☐ Salty ☐ Minerals
☐ Other:		
After test of well yield, water was		
☒ Clear and sediment free		
☐ Other, specify: NOT TESTED		
Chlorinated	☒ Yes	☐ No

Casing		
15.88	☒ Steel ☐ Fibreglass	48
	☐ Plastic ☐ Concrete	0
	☐ Galvanized	7.31
	☐ Steel ☐ Fibreglass	
	☐ Plastic ☐ Concrete	
	☐ Galvanized	
	☐ Steel ☐ Fibreglass	
	☐ Plastic ☐ Concrete	
	☐ Galvanized	
Screen		
Outside diam	☐ Steel ☐ Fibreglass	Slot No.
	☐ Plastic ☐ Concrete	
	☐ Galvanized	
No Casing or Screen		
	☒ Open hole	6.70
		24.99

[illegible]

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		Well Contractor's Licence No.
Name of Well Contractor	AIR ROCK DRILLING CO. LTD	1119
Business Address (street name, number, city etc.)		
Name of Well Technician (last name, first name)	BR #1 LITCHMUND, ONT	KOA270
Signature of Technician/Contractor	PURCELL SHANNON	ST2122
Date Submitted	2004	YYY Y MM DD

Location of Well	
In diagram below show distances of well from road, lot line, and building Indicate north by arrow.	
Audit No. Z 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		
Date Received	YYYY	MM	DD
NOV 16	2004		
Remarks	Well Record Number		
	1535184		

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

Ministry Use Only

MUN _____ CON _____ LOT _____

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

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

GPS Reading NAD **83** Zone **18** Easting **424219** Northing **5003569** Unit Make/Model **MAGELAN** Mode of Operation: ☐ Undifferentiated ☒ Averaged ☐ Differentiated, specify _____

Log of Overburden and Bedrock Materials (see instructions)

General Colour	Most common material	Other Materials	General Description	Depth From	Metres To
	CLAY, SAND, BOULDERS			0	4.87
	GREY LIMESTONE			4.87	24.38

Hole Diameter			Construction Record				Test of Well Yield					
Depth From	Metres To	Diameter Centimetres	Inside diam centimetres	Material	Wall thickness centimetres	Depth From	Metres To	Pumping test method	Draw Down Time min	Water Level Metres	Recovery Time min	Water Level Metres
0	24.38	15.07	15.88	☒ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	.48	0	6.70	Sub pump	21.33	2.50	13.41	
								Pump intake set at (metres)	1	5.04	1	9.11
								Pumping rate - (litres/min)	2	6.15	2	7.03
								Duration of pumping (hrs + min)	3	6.99	3	5.81
								Final water level end of pumping (metres)	4	7.72	4	4.90
								Recommended pump type	5	8.30	5	4.26
								Recommended pump depth (metres)	10	10.22	10	3.30
								Recommended pump rate (litres/min)	15	11.28	15	3.00
								If flowing give rate - (litres/min)	20	11.98	20	2.89
								If pumping discontinued, give reason.	25	12.41	25	2.81
									30	12.30	30	2.76
									40	12.83	40	2.70
									50	13.08	50	2.65
									60	13.41	60	

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

Well Contractor/Technician Information

Name of Well Contractor **AIR ROCK DRILLING CO LTD** Well Contractor's Licence No. **71119**

Business Address (street name, number, city etc.) **RR#1 RICHMOND, ONT K0A2Z0**

Name of Well Technician (last name, first name) **HOGAN DAN** Well Technician's Licence No. **73058**

Signature of Technician/Contractor **[Signature]** Date Submitted **2005** **05** **19**

Location of Well

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

BURKE STREET

#91 QUEEN CHARLOTTE

16.7

6.7

11

19

Audit No. **2 23277** Date Well Completed **2005 05 19**

Was the well owner's information package delivered? ☒ Yes ☐ No Date Delivered **2005 05 19**

Ministry Use Only

Data Source _____ Contractor **1119**

Date Received **2005** **06** **2005** Date of Inspection **2005** **06** **2005**

Remarks _____ Well Record Number _____



Well Record

Regulation 903 Ontario Water Resources Act

page _____ of _____

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 • Questions regarding completing this application can be directed to the Water Well Help Desk (Toll Free) at 1-888-396-9355.
 • **All metre measurements shall be reported to 1/10th of a metre.**
 • Please print clearly in blue or black ink only.
- Ministry Use Only

Address of Well Location (County/District/Municipality)				Township				Lot		Concession	
Ottawa-Carleton				Goulbourn				22		3	
RR#/Street Number/Name				City/Town/Village				Site/Compartment/Block/Tract/etc.			
# 6300 Ottawa Street				Richmond				Plan 4D-23 Part 1			
GPS Reading		NAD	Zone	Easting	Northing	Unit Make/Model		Mode of Operation:		☐ Undifferentiated ☐ Differentiated, specify	
		83	18	434353	500323	Mobil				☒ Averaged	

Log of Overburden and Bedrock Materials (see instructions)

[illegible]

Hole Diameter		
Depth From	Metres To	Diameter Centimetres
0	36.57	15.23
Water Record		
Water found at _____ Metres	Kind of Water	
24.14 NOT TESTED		
☐ Gas	☒ Fresh	☐ Sulphur
☐ Other:	☐ Salty	☐ Minerals
☐ m	☐ Fresh	☐ Sulphur
☐ Gas	☐ Salty	☐ Minerals
☐ Other:		
☐ m	☐ Fresh	☐ Sulphur
☐ Gas	☐ Salty	☐ Minerals
☐ Other:		
After test of well yield, water was		
☐ Clear and sediment free		
☐ Cloudy		
☐ Other, specify _____		
Chlorinated ☒ Yes ☐ No		

Construction Record				
Inside diam centimetres	Material	Wall thickness centimetres	Depth Metres	
			From	To
Casing				
15.88	☒ Steel ☐ Fibreglass	.48 0	9.45	
	☐ Plastic ☐ Concrete			
	☐ Galvanized			
	☐ Steel ☐ Fibreglass			
	☐ Plastic ☐ Concrete			
	☐ Galvanized			
	☐ Steel ☐ Fibreglass			
	☐ Plastic ☐ Concrete			
	☐ Galvanized			
Screen				
Outside diam	☐ Steel ☐ Fibreglass	Slot No.		
	☐ Plastic ☐ Concrete			
	☐ Galvanized			
No Casing or Screen				
	☒ Open hole	8.84	36.57	

Test of Well Yield				
Pumping test method	Draw Down		Recovery	
Sub pump	Time min	Water Level Metres	Time min	Water Level Metres
	Static Level			
Pump intake set at (metres)	0.85		33.84	
Pumping rate (litres/min)	1 3.70		1 28.92	
Duration of pumping	2 5.10		2 25.80	
Final water level end of pumping	3 6.54		3 24.50	
Recommended pump type.	4 7.80		4 23.00	
☐ Shallow ☒ Deep				
Recommended pump depth	5 9.04		5 21.70	
Recommended pump rate.	10 14.80		10 16.30	
(litres/min)	15 19.60		15 10.90	
If flowing give rate -	20 24.40		20 6.60	
(litres/min)	25 27.23		25 2.41	
If pumping discontinued, give reason.	30 30.07		30 0.85	
	40 31.32		40	
	50 32.57		50	
	60 33.84		60	

Plugging and Sealing Record			☒ Annular space	☐ Abandonment
Depth set at - Metres		Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)	
From	To			
8.84	5.79	Neat Cement Slurry	.1816	
5.79	0	Bentonite Slurry	.123	

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 119	Well Contractor's Licence No.
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 X [Signature]	Date Submitted YYYY MM DD 2007 01 25

Location of Well

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

Queen Street

55'

200'

House

#6300 Ottawa Street

Audit No. Z 55540	Date Well Completed 2006 11 21
Was the well owner's information package delivered? ☒ Yes ☐ No	Date Delivered 2006 11 21

Ministry Use Only			
Data Source	Contractor 1119		
Date Received FEB 12 2007	DD	Date of Inspection	YYYY MM DD
Remarks	Well Record Number		

Well Owner's Information

First Name	Last Name	E-mail Address	☐ Well Constructed by Well Owner	
Davax Construction Ltd.				
Mailing Address (Street Number/Name, RR)	Municipality	Province	Postal Code	Telephone No. (inc. area code)
451-1 Bethune Dr. N.	Gravenhurst	Ontario	P 1 P 1 B 8	705 687 0065

Part A Construction and/or Major Alteration of a Well

Address of Well Location (Street Number/Name, RR)	Township	Lot	Concession
6306 Ottawa Street	Coulbourn	21	2
County/District/Municipality	City/Town/Village	Province	Postal Code
Ottawa Carleton	Richmond	Ontario	
UTM Coordinates	Zone	Easting	Northing
NAD 83	18	434316	5003216
GPS Unit Make	Model	Mode of Operation:	☐ Undifferentiated ☒ Averaged
Garmin		☐ 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 ³

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)	Draw Down		Recovery	
	Time (Min)	Water Level (Metres)	Time (Min)	Water Level (Metres)
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

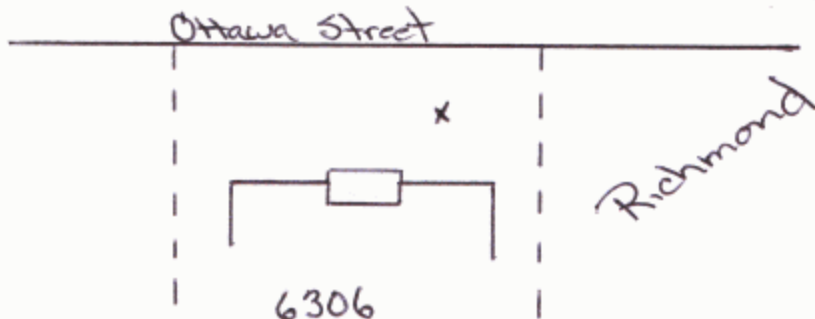
☐ Cable Tool	☐ Diamond	☐ Public	☐ Commercial	☐ Not used
☐ Rotary (Conventional)	☐ Jetting	☒ Domestic	☐ Municipal	☐ Dewatering
☐ Rotary (Reverse)	☐ Driving	☐ Livestock	☐ Test Hole	☐ Monitoring
☒ Rotary (Air)	☐ Digging	☐ Irrigation	☐ Cooling & Air Conditioning	
☒ Air percussion	☐ Boring	☐ Industrial		
☐ Other, specify		☐ Other, specify		

Water Use

☒ 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 ☐ Gas	☐ Fresh ☐ Salty ☐ Sulphur ☐ Minerals
Water found at Depth	Kind of Water
Metres ☐ Gas	☐ Fresh ☐ Salty ☐ Sulphur ☐ Minerals
Water found at Depth	Kind of Water
Metres ☐ Gas	☐ Fresh ☐ Salty ☐ Sulphur ☐ Minerals

Casing Used

Screen Used

Casing and Well Details

☐ Galvanized	☐ Galvanized	Diameter of the Hole (Centimetres)
☒ Steel	☐ Steel	15.23
☐ Fibreglass	☐ Fibreglass	Depth of the Hole (Metres)
☐ Plastic	☐ Plastic	37.48
☐ Concrete	☐ Concrete	Wall Thickness (Metres)
		0.48
☐ Open Hole		Inside Diameter of the Casing (Metres)
		15.86
Disinfected?		Depth of the Casing (Metres)
☒ Yes ☐ No		=.45 to 8.68

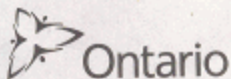
Ministry Use Only

Audit No.	Well Contractor No.
z 77377	
Date Received (yyyy/mm/dd)	Date of Inspection (yyyy/mm/dd)
Oct 14 2008	
Remarks	

Date Well Completed (yyyy/mm/dd)	Was the well owner's information package delivered? ☒ Yes ☐ No	Date the Well Record and Package Delivered to Well Owner (yyyy/mm/dd)
2008/06/16		2008/06/18

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Capital Water Supply Ltd.	1 5 5 8
Business Address (Street No./Name, number, RR)	Municipality
Box 490	Stittsville
Province	Postal Code
Ontario	K 2 S 1 A 6
Business E-mail Address	
office@capitalwater.ca	
Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)
6 13 836 1766	Miller, Stephen
Well Technician's Licence No.	Signature of Technician
0 0 9 7	
0506E (11/2006)	Date Submitted (yyyy/mm/dd)
	2008/06/20



A 089810

Print Below)

Measurements recorded in: ☐ Metric ☒ Imperial

Well Owner's Information

First Name _____ Last Name / Organization **Mattamy (Jack River) Limited.** E-mail Address _____
Mailing Address (Street Number/Name) **123 Huntmar Drive** Municipality **Ottawa.** Province **On.** Postal Code **K2S1B9** Telephone No. (inc. area code) **6138253439**

Well Location

Address of Well Location (Street Number/Name) _____ Township **Goulbourn** Lot **22** Concession **3.**
County/District/Municipality **Goulbourn** City/Town/Village **Richmond** Province **Ontario** Postal Code **K6A2Z0**
UTM Coordinates Zone **18** Easting **7550** Northing **47945** Municipal Plan and Sublot Number **11081**

Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft)	
				From	To
Brown.	Clay.		Packed	0	14
black	Shale.		Soft	14	180
white	Sandstone			180	195
black	Shale			195	255

Annular Space			Volume Placed (m ³ /ft ³)
Depth Set at (m/ft)	Type of Sealant Used (Material and Type)		
0	150' High Yearly Cement		103

Method of Construction		Well Use	
☒ Cable Tool	☐ Diamond	☐ Public	☐ Commercial
☒ Rotary (Conventional)	☐ Jetting	☐ Domestic	☐ Municipal
☐ Rotary (Reverse)	☐ Driving	☐ Livestock	☒ Test Hole
☐ Boring	☐ Digging	☐ Irrigation	☐ Cooling & Air Conditioning
☐ Air percussion		☐ Industrial	
☐ Other, specify _____		☐ Other, specify _____	

Construction Record - Casing				Status of Well	
Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)	From	To
10 7/8	Steel	1.88	0		

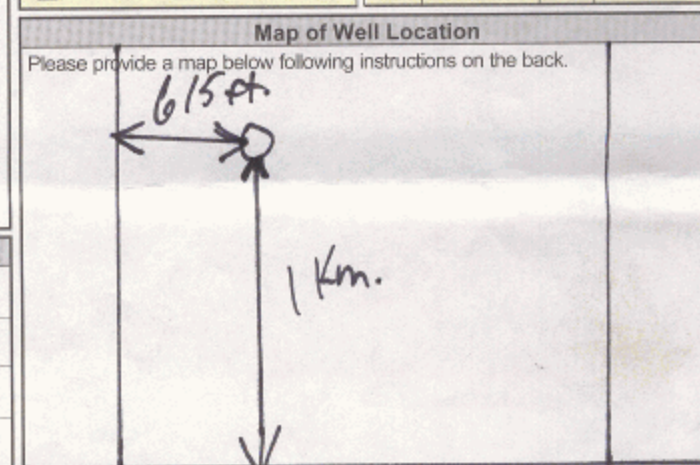
☐ Water Supply	☒ Replacement Well
☐ Recharge Well	☐ Dewatering Well
☐ Observation and/or Monitoring Hole	☐ Alteration (Construction)
☐ Abandoned, Insufficient Supply	☐ Abandoned, Poor Water Quality
☐ Abandoned, other, specify _____	☐ Other, specify _____

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

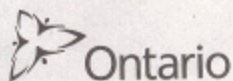
Water Details		Hole Diameter	
Water found at Depth 73 (m/ft)	Kind of Water: ☐ Fresh ☒ Untested	Depth (m/ft)	Diameter (cm/in)
190 (m/ft)	☐ Gas ☐ Other, specify _____	From To	
210 (m/ft)	☐ Gas ☐ Other, specify _____	0 255	10 7/8

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) Molouh bney Bill	Well Technician's Licence No. T050	Signature of Technician and/or Contractor Bill
	Date Submitted 20100310		

Results of Well Yield Testing				
After test of well yield, water was: ☐ Clear and sand free ☐ 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	
	4		4	
Duration of pumping _____ hrs + _____ min	5		5	
	10		10	
Final water level end of pumping (m/ft)	15		15	
	20		20	
If flowing give rate (l/min / <u>GPM</u>)	25		25	
200 Recommended pump depth (m/ft)	30		30	
Recommended pump rate (l/min / GPM)	40		40	
	50		50	
Well production (l/min / GPM)	60		60	
Disinfected?				
☒ Yes ☐ No				



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	



A 089810

Print Below)

Measurements recorded in: ☐ Metric ☒ Imperial

Well Owner's Information

First Name _____ Last Name / Organization **Mattamy (Jack River) Limited.** E-mail Address _____
Mailing Address (Street Number/Name) **123 Huntmar Drive** Municipality **Ottawa.** Province **On.** Postal Code **K2S1B9** Telephone No. (inc. area code) **6138253439**

Well Location

Address of Well Location (Street Number/Name) _____ Township **Goulbourn** Lot **22** Concession **3.**
County/District/Municipality **Goulbourn** City/Town/Village **Richmond** Province **Ontario** Postal Code **K6A2Z0**
UTM Coordinates Zone **18** Easting **7550** Northing **47945** Municipal Plan and Sublot Number **11081**

Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft)	
				From	To
Brown.	Clay.		Packed	0	14
black	Shale.		Soft	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 ³ /ft ³)
0	150' High Yearly Cement	103

Method of Construction		Well Use	
☒ Cable Tool	☐ Diamond	☐ Public	☐ Commercial
☒ Rotary (Conventional)	☐ Jetting	☐ Domestic	☐ Municipal
☐ Rotary (Reverse)	☐ Driving	☐ Livestock	☒ Test Hole
☐ Boring	☐ Digging	☐ Irrigation	☐ Cooling & Air Conditioning
☐ Air percussion		☐ Industrial	
☐ Other, specify _____		☐ Other, specify _____	

Construction Record - Casing				Status of Well	
Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)	From	To
10 7/8	Steel	1.88	0		

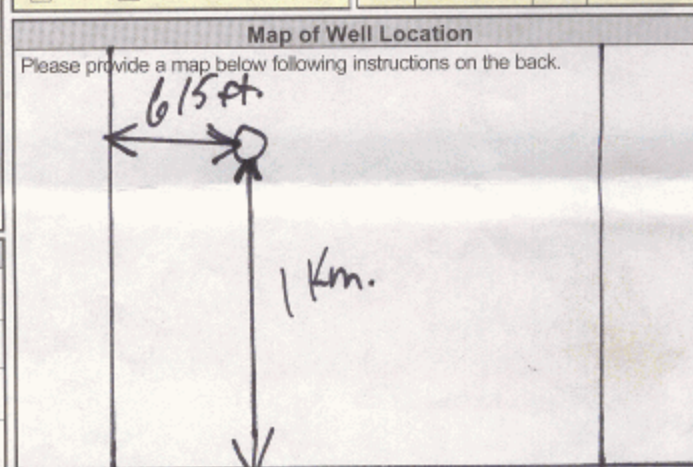
☐ Water Supply	☒ Replacement Well
☐ Recharge Well	☐ Dewatering Well
☐ Observation and/or Monitoring Hole	☐ Alteration (Construction)
☐ Abandoned, Insufficient Supply	☐ Abandoned, Poor Water Quality
☐ Abandoned, other, specify _____	☐ Other, specify _____

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

Water Details		Hole Diameter	
Water found at Depth 73 (m/ft)	Kind of Water: ☐ Fresh ☒ Untested	Depth (m/ft)	Diameter (cm/in)
190 (m/ft)	☐ Gas ☐ Other, specify _____	From To	
210 (m/ft)	☐ Fresh ☒ Untested	0 255	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) **Molouh bney Bill**
Well Technician's Licence No. **T050** Signature of Technician and/or Contractor **Bill** Date Submitted **20100310**

Results of Well Yield Testing			
After test of well yield, water was: ☐ Clear and sand free ☐ Other, specify _____	Draw Down		Recovery
	Time (min)	Water Level (m/ft)	Time (min)
If pumping discontinued, give reason:	Static Level		Water Level (m/ft)
	1		1
Pump intake set at (m/ft)	2		2
Pumping rate (l/min / GPM)	3		3
Duration of pumping	4		4
hrs + min	5		5
Final water level end of pumping (m/ft)	10		10
If flowing give rate (l/min / GPM)	15		15
Recommended pump depth (m/ft)	20		20
Recommended pump rate (l/min / GPM)	25		25
Well production (l/min / GPM)	30		30
Disinfected?	40		40
☒ Yes ☐ No	50		50
	60		60



Comments: _____

Well owner's information package delivered ☐ Yes ☒ No	Date Package Delivered Y Y Y Y M M D D 20100103	Ministry Use Only Audit No. 2103267 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)	Municipality	Province	Postal Code
123 Huntmar Drive.	Ottawa.	On.	K2G 1B9
Telephone No. (inc. area code)		613 825 3479	

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	Municipal Plan and Sublot Number	Other	
NAD 83 7550 49645 11105			

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)
Brown	Clay		Packed.	0
black.	Shale		soft	11
black	Shale			150
white.	sandstone			180
black	Shale			195
black.	granite			255
				395
				405

Annular Space		
Depth Set at (m/ft)	Type of Sealant Used (Material and Type)	Volume Placed (m ³ /ft ³)
0	High early Cement.	103

Method of Construction		Well Use	
☐ Cable Tool	☐ Diamond	☐ Public	☐ Commercial
☒ Rotary (Conventional)	☐ Jetting	☐ Domestic	☐ Municipal
☐ Rotary (Reverse)	☐ Driving	☐ Livestock	☒ Test Hole
☐ Boring	☐ Digging	☐ Irrigation	☐ Cooling & Air Conditioning
☐ Air percussion		☐ Industrial	
☐ Other, specify		☐ Other, specify	

Construction Record - Casing			Status of Well	
Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)	
10 1/8"	Steel.	1.88"	0	150'

Construction Record - Screen			Status of Well	
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: ☐ Fresh ☒ Untested	Depth (m/ft)	Diameter (cm/in)
73 (m/ft)	☐ Gas ☐ Other, specify	From To	
190 (m/ft)	☐ Gas ☐ Other, specify	150 255	10 1/8"
	☐ Gas ☐ Other, specify	255 455	6 1/8"

Business Name of Well Contractor		Well Contractor's Licence No.	
J.R. Drilling Co. LTD.		3 7 4 9	
Business Address (Street Number/Name)		Municipality	
23 Mitchem Rd.		Clarendon	
Province	Postal Code	Business E-mail Address	
Qc.	J0X 2Y0	jrdrilling2@hotmail.com	
Bus. Telephone No. (inc. area code)		Name of Well Technician (Last Name, First Name)	
613 860 9986		Moloughney Bill	
Well Technician's Licence No.		Signature of Technician and/or Contractor	
T 0 5 0		20100316	

Results of Well Yield Testing

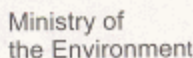
After test of well yield, water was:		Draw Down		Recovery	
☐ Clear and sand free		Time (min)	Water Level (m/ft)	Time (min)	Water Level (m/ft)
☐ Other, specify		Static Level			
If pumping discontinued, give reason:		1		1	
Pump intake set at (m/ft)		2		2	
Pumping rate (l/min / GPM)		3		3	
Duration of pumping		4		4	
hrs + min		5		5	
Final water level end of pumping (m/ft)		10		10	
If flowing give rate (l/min / GPM)		15		15	
Recommended pump depth (m/ft)		20		20	
Recommended pump rate (l/min / GPM)		25		25	
Well production (l/min / GPM)		30		30	
Disinfected?		40		40	
☒ Yes ☐ No		50		50	
		60		60	

Map of Well Location

Please provide a map below following instructions on the back.

Franktown Rd

Well owner's information package delivered	Date Package Delivered	Ministry Use Only
☒ Yes ☐ No	Y Y Y Y M M D D	
Date Work Completed	2009/11/19	Audit No.
		2103264
		APR 06 2010



Well Record

Page of

Measurements recorded in: ☐ Metric ☒ Imperial

First Name	Last Name / Organization	E-mail Address		☐ Well Constructed by Well Owner
	Mattamy (Sack River) Limited			
Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. (inc. area code)
123 Huntmar Drive	Ottawa	On.	K2S1B9	6138253479

Address of Well Location (Street Number/Name)		Township Goulbourn		Lot 22	Concession 3
County/District/Municipality Goulbourn		City/Town/Village Richmond		Province Ontario	Postal Code
UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	
NAD 8 3	75	50	4724511081	Other	

Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)

Overburden and Bedrock Materials/Environment Coating Record (see instructions)				Depth (m/ft)	
General Colour	Most Common Material	Other Materials	General Description	From	To
Brown.	Clay		Packed.	0	14
grey.	Shale			14	190'
white	Sandstone			190'	205'
grey.	Shale.			205	230'

Depth Set at (mm)		Annular Space	Volume Placed (mm ³)
From	To	Type of Sealant Used (Material and Type)	
0	26	Normal Portland Cement	9.1

Method of Construction		Well Use		
☐ Cable Tool	☐ Diamond	☐ Public	☐ Commercial	☐ Not used
☒ Rotary (Conventional)	☐ Jetting	☐ Domestic	☒ Municipal	☐ Dewatering
☐ Rotary (Reverse)	☐ Driving	☐ Livestock	☒ Test Hole	☐ Monitoring
☐ Boring	☐ Digging	☐ Irrigation	☐ Cooling & Air Conditioning	
☐ Air percussion		☐ Industrial		
☐ Other, specify _____		☐ Other, specify _____		

Construction Record - Casing					Status of Well
Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		
			From	To	
6 1/8"	Steel	1.58.	0	26'	☐ Water Supply ☐ Replacement Well ☒ Test Hole ☐ Recharge Well ☐ Dewatering Well ☐ Observation and/or Monitoring Hole ☐ Alteration (Construction) ☐ Abandoned, Insufficient Supply

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

☐ Insufficient Supply
☐ Abandoned, Poor Water Quality
☐ Abandoned, other, specify _____
☐ Other, specify _____

Water Details		Hole Diameter	
Water found at Depth 73' (m/ft) ☐ Gas ☒ Other, specify _____	Kind of Water: ☐ Fresh ☒ Untested	Depth (m/ft) From To	Diameter (cm/in)
Water found at Depth 190' (m/ft) ☐ Gas ☐ Other, specify _____	Kind of Water: ☐ Fresh ☒ Untested	26' 230'	6 1/8"
Water found at Depth 225' (m/ft) ☐ Gas ☐ Other, specify _____	Kind of Water: ☐ Fresh ☒ Untested		

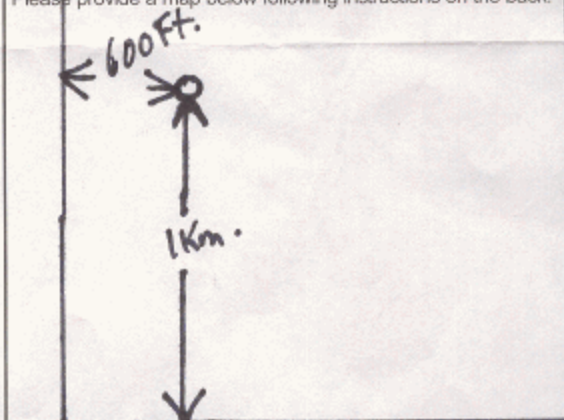
Well Contractor and Well Technician Information				
Business Name of Well Contractor			Well Contractor's Licence No.	
J.R. Drilling Co. Ltd.			3 7 4 9	
Business Address (Street Number/Name)			Municipality	
23 Mitchem Rd.			Clarendon	
Province	Postal Code	Business E-mail Address		
On	J0X 2Y0	jrdrilling2@hotmail.ca		
Bus. Telephone No. (inc. area code)		Name of Well Technician (Last Name, First Name)		
613 860 9986		Bill Moloughney		
Well Technician's Licence No.	Signature of Technician and/or Contractor		Date Submitted	
T 0 5 0	[Signature]		20100311	

Results of Well Yield Testing

After test of well yield, water was: ☐ Clear and sand free ☐ 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	
	4		4	
Duration of pumping _____ hrs + _____ min	5		5	
Final water level end of pumping (m/ft)	10		10	
If flowing give rate (l/min / GPM) 200	15		15	
	20		20	
Recommended pump depth (m/ft)	25		25	
	30		30	
Recommended pump rate (l/min / GPM)	40		40	
	50		50	
Well production (l/min / GPM)	60		60	
Disinfected? ☒ Yes ☐ No				

Map of Well Location

Please provide a map below following instructions on the back.



Franktown RD

Comments:

Well owner's information package delivered ☐ Yes ☒ No	Date Package Delivered Y Y Y Y M M D D	Ministry Use Only Audit No. Z 103266 APR 06 2010 Received
	Date Work Completed 2009/12/20	



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

Address of Well Location	113 FORTUNE ST
Township	GOULBOURN TOWNSHIP
Lot	
Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	RICHMOND
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18
	Easting: 434504.00
	Northing: 5003500.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
----------------	----------------------	-----------------	---------------------	------------	----------

Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed
------------	----------	--	---------------

Method of Construction & Well Use

Method of Construction	Well Use
------------------------	----------

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

Water Found at Depth	Kind
----------------------	------

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

Address of Well Location	116 QUEEN CHARLOTTE STREET
Township	GOULBOURN TOWNSHIP
Lot	
Concession	CON 03
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	RICHMOND
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18
	Easting: 434425.00
	Northing: 5003382.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
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
GREY	BLDR	HPAN		0 ft	14 ft
	LMSN			14 ft	104 ft

Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed
------------	----------	--	---------------

Method of Construction & Well Use

Method of Construction	Well Use
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
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100 ft

Fresh

Hole Diameter

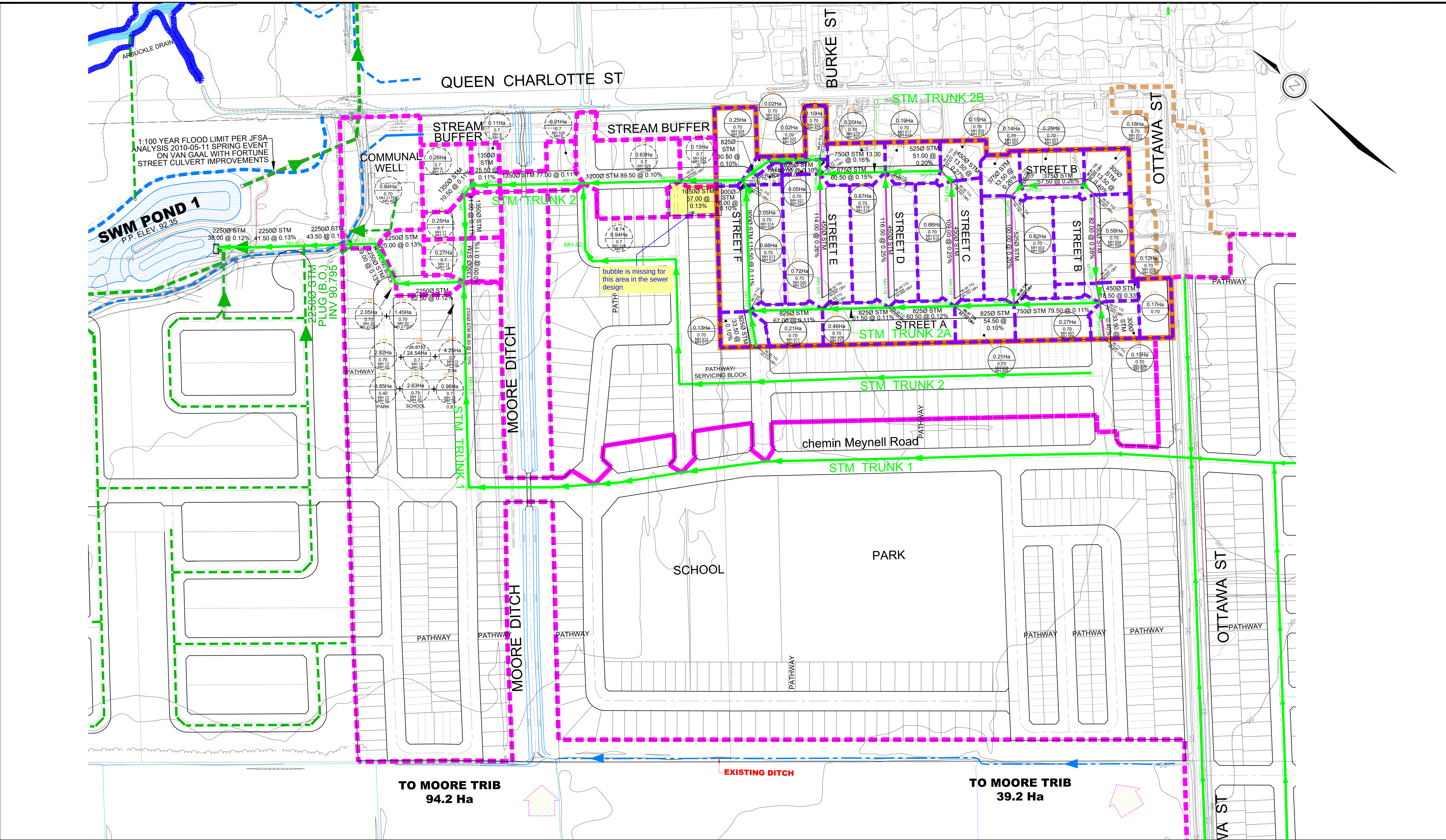
Depth From	Depth To	Diameter
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Audit Number:

Date Well Completed: June 11, 1958

Date Well Record Received by MOE: August 05, 1958

Updated: January 24, 2020

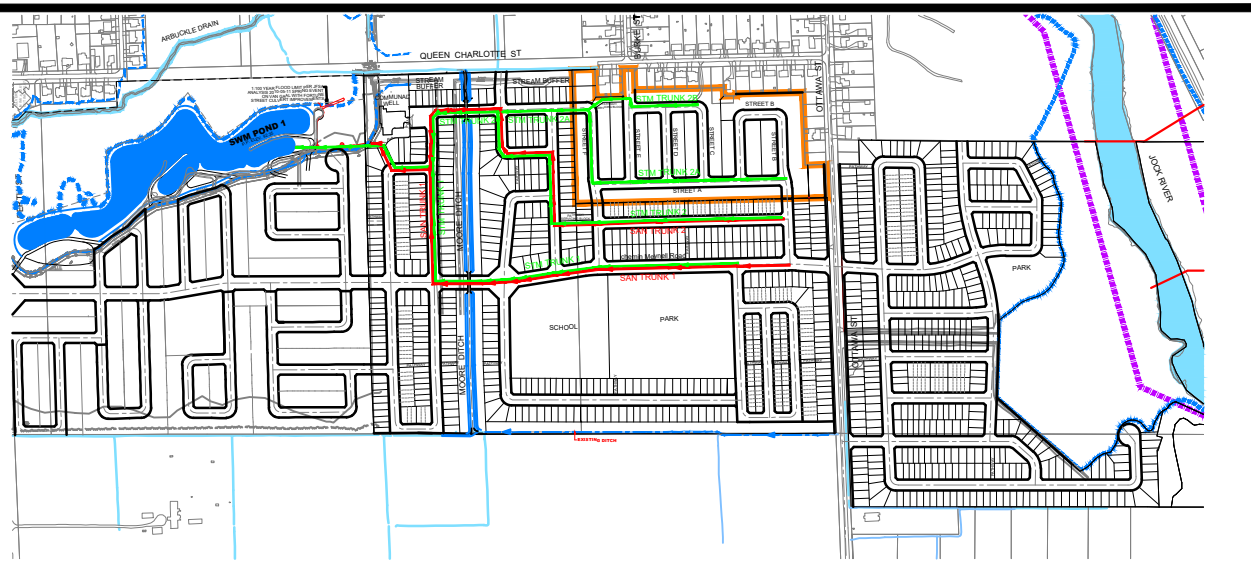
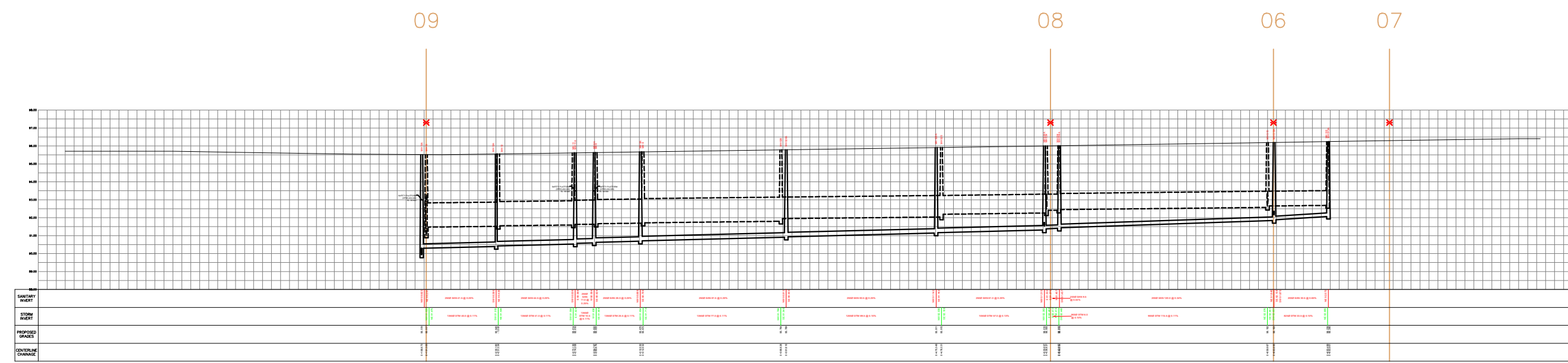


CAIVAN RICHMOND LAFFIN
STORM SERVICING PLAN
CITY OF OTTAWA

LEGEND

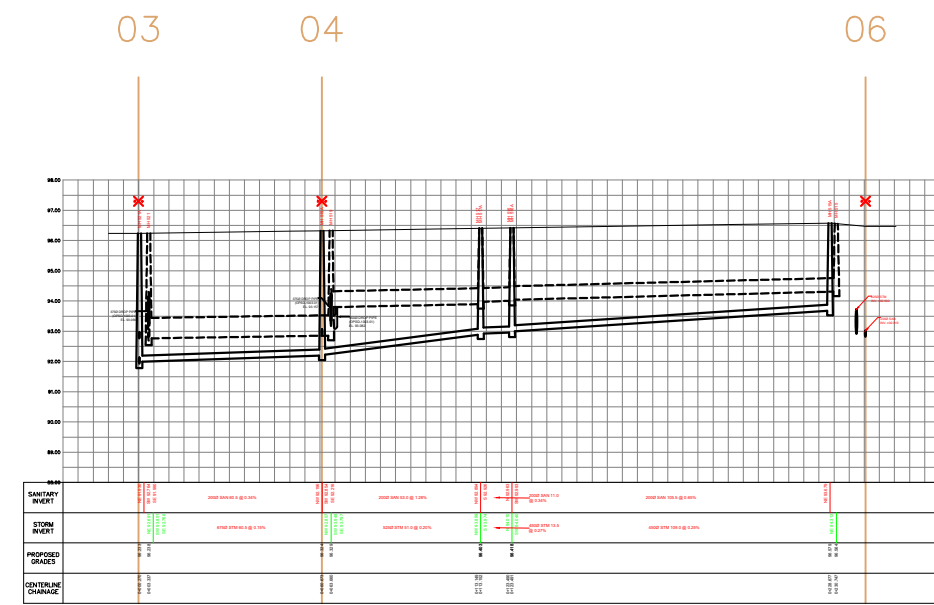
- STUDY LIMIT
- EXISTING DITCH
- STORM TRIBUTARY AREA
- EXTERNAL STORM TRIBUTARY AREA
- STORM TRUNK
- LOCAL STORM SEWER
- STORM TRUNK BY OTHERS
- STORM FREQUENCY DRAINAGE AREA RUN-OFF COEFFICIENT UPSTREAM/DOWNSTREAM MANHOLE
- STORM FREQUENCY EXTERNAL DRAINAGE RUN-OFF COEFFICIENT UPSTREAM/DOWNSTREAM MANHOLE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

01
STREET F

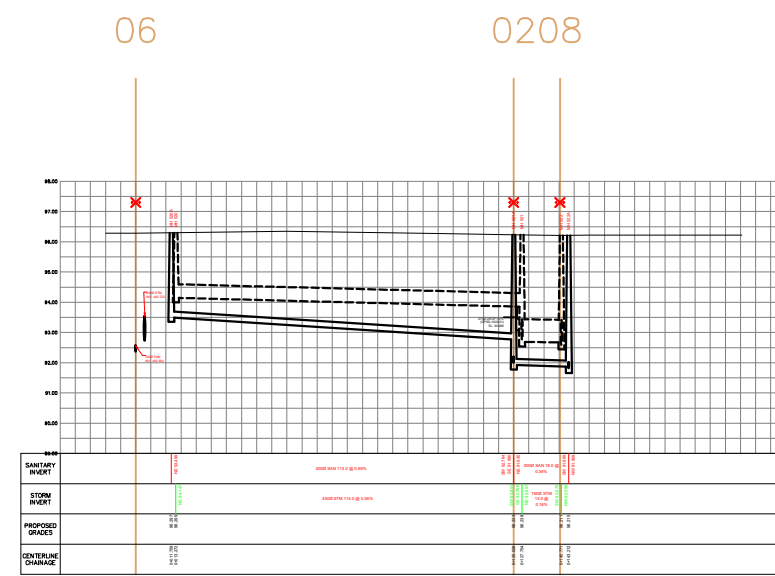


PROFILES KEYPLAN SCALE: 1:6000

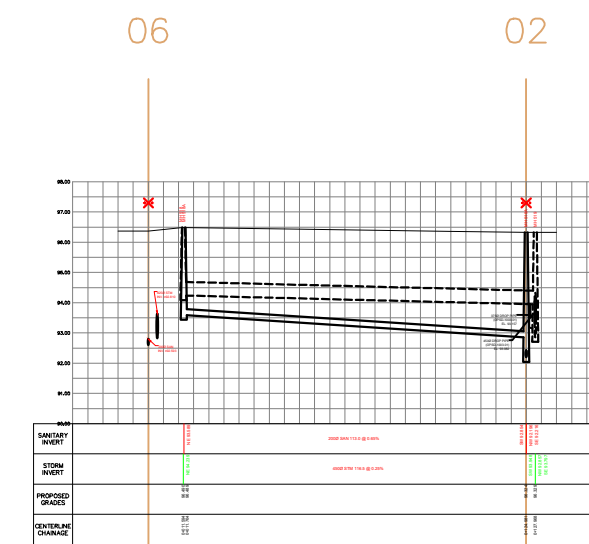
02
STREET C



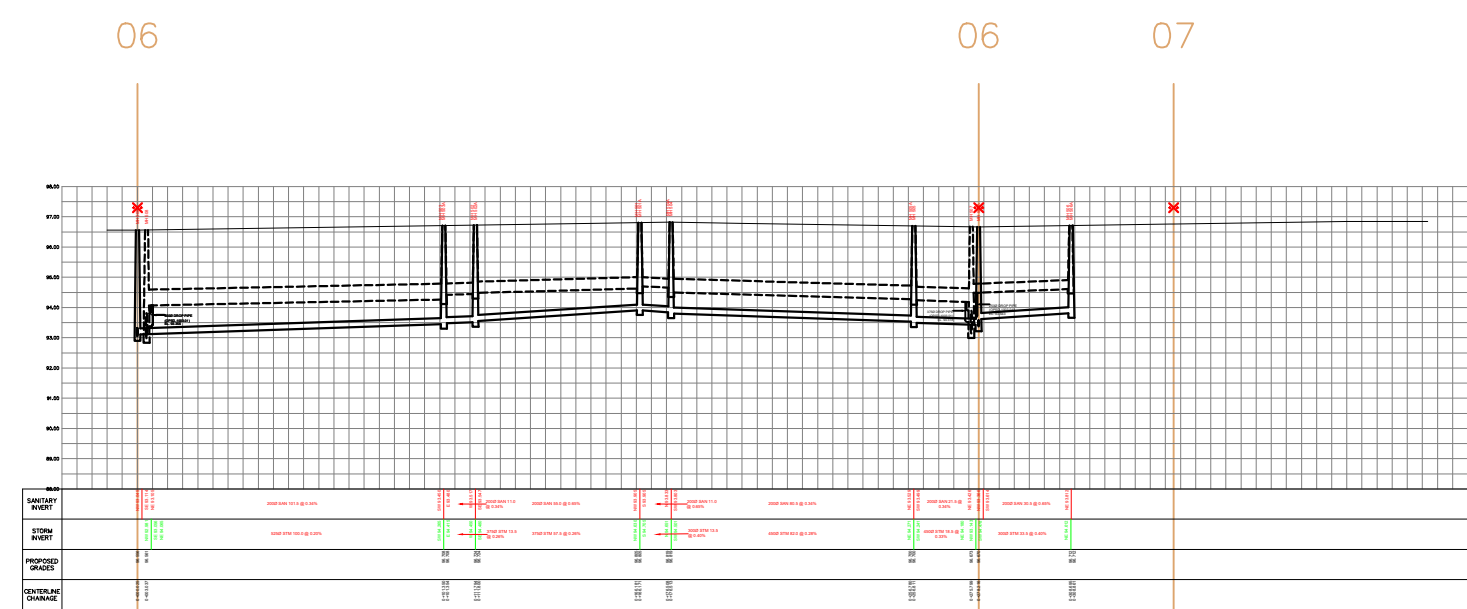
03
STREET E



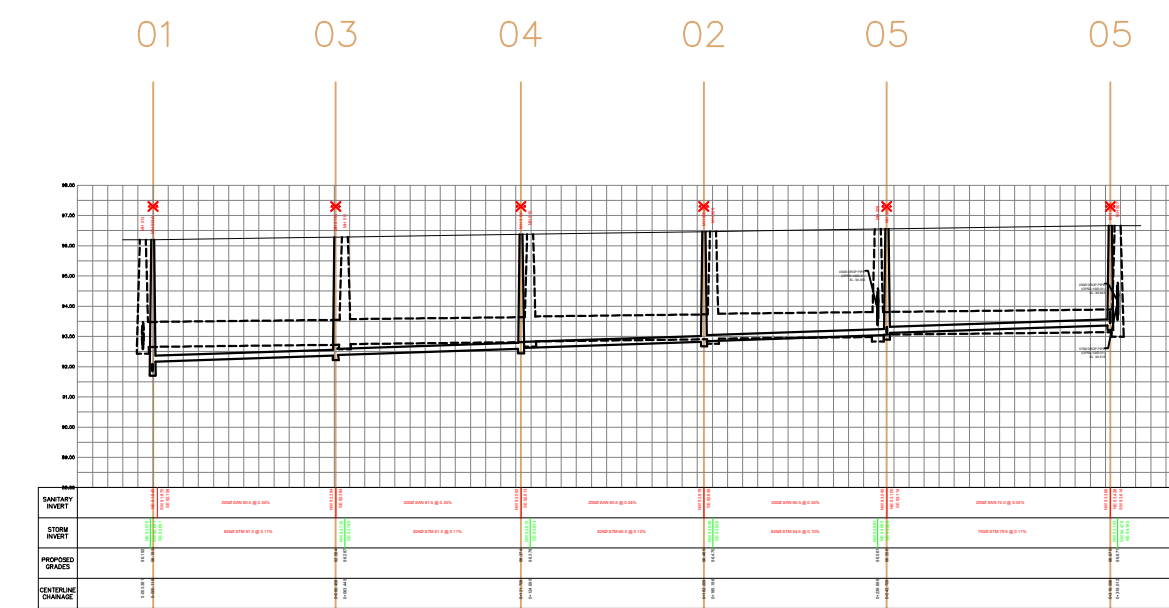
04
STREET D



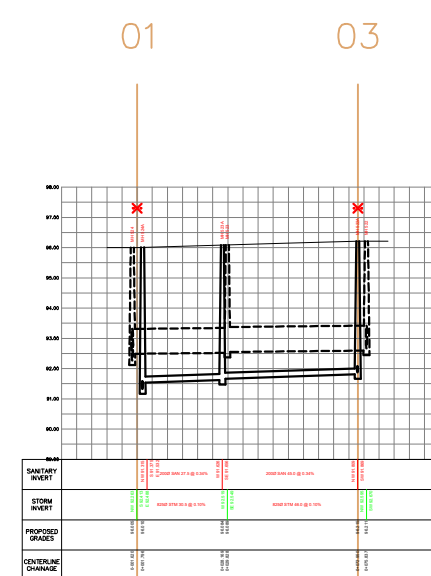
05
STREET B



06
STREET A



08
SERVICING BLOCK



09
ALIGNMENT 09

