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REPORT ON

HYDROGEOLOGICAL AND TERRAIN STUDY
PROPOSED COMMERCIAL DEVELOPMENT
2742 DUNROBIN ROAD
CITY OF OTTAWA, ONTARIO

Submitted to:

6253393 Canada Corp.
314 Maxwell Bridge Road
Kanata, ON K2W 0A5

DATE January 17, 2025

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January 17, 2025 240728

6253393 Canada Corp.
314 Maxwell Bridge Road
Kanata, ON K2W 0A5

Attention: Mr. Omar Alnader

RE: HYDROGEOLOGICAL STUDY
PROPOSED COMMERCIAL DEVELOPMENT
2742 DUNROBIN ROAD
WEST CARLETON-MARCH WARD
DUNROBIN, ONTARIO

Dear Sir:

Kollaard Associates Inc. was retained by 6253393 Canada Corp. to undertake a hydrogeological and terrain study for a proposed commercial development with frontage on Dunrobin Road, in Dunrobin, Ontario.

This report presents the results of an evaluation of the water quality and quantity for the well that will supply water for the above noted proposed commercial development at 2742 Dunrobin Road in the City of Ottawa, Ontario. It is understood that it is being proposed to construct a commercial car retail development on the existing ~0.40 hectare (~1.0 acre) property. The proposed development is to consist of an asphaltic concrete parking lot with a small trailer for office space.

The well in question was constructed by Capital Water Supply Ltd. of Stittsville, Ontario on March 19, 2008. A Ministry of the Environment, Conservation and Parks (MECP) Well Record and Certificate of Compliance for the subject well (TW1) is provided as Attachment A. The well construction indicates well is a drilled well that is screened in the sand overburden from a depth of about 16.94 to 17.98 metres below ground surface.

A pumping test was carried out at the well, TW1, by a member of our engineering staff on September 12, 2024. The testing consisted of a 6 hour duration constant discharge rate pumping test. During the pumping test, water level measurements were made both manually and using a pressure transducer to monitor the drawdown of the water level in the well in response to pumping. Groundwater samples were collected from TW1 at about hour 3 and at hour 6 of the pumping test to characterize groundwater quality. After the pumping period, the pump was shut off and the recovery of the water level in the well was monitored for a period of time until at least 95 percent of the drawdown created during pumping had been recovered or for at least 24 hours, whichever was less.

Pre-consultation

Kollaard Associates obtained background information from the planning consultant for the City of Ottawa for impacts from historic land use. An offsite Groundwater Monitoring Report, *Fall 2007 Groundwater Monitoring Thomas Dolan Parkway and Dunrobin Road Intersection, Ottawa, Ontario,* completed by Trow Associates (May 2008) indicated the presence BTEX, PHCs, and VOCs due to contamination of a nearby property 160 metres north of the subject property.

The City also indicated that it is anticipated that chloride levels in water supply may exceed 500 mg/L and would require written consent from the MECP to retain and use the well. A secondary consultation with the City of Ottawa was completed after initial water samples were collected. The City indicated additional requirements in the reporting as follows;

- Discussion of whether the water supply might be the best option compared to another aquifer (i.e. bedrock);
- Mitigation measures for potential corrosion due to excess chloride;
- Required Signage (S.7.7.2.1)
    - Non-Potable piping identified
    - Non-Potable water system identified
    - Non-Potable, Do Not Drink signage above fixtures
- Description of the proposed usage of the water supply and any treatment required to use the water supply;
- Potential impacts to the overburden aquifer and shallow well users in the area from moving poor water quality from the aquifer to surface;
- Discussion of the impact to the septic system and treatment needed to decrease issues to the septic system caused by poor water quality;
- A copy of signed Consent Not to Abandon Water Supply Well from the MECP;
- Recommendations of notice(s) to be registered on title as conditions of any future Site Plan Agreement or purchasers that water is not potable and is not to be used as a drinking water supply;
- Implementation of zoning/planning controls to ensure that hydrogeology report will be provided to the City for review.

1.0 Background Information

Previous Environmental Study (Intersection of Thomas Dolan Parkway and Dunrobin Road)

A review of the groundwater monitoring report prepared by Trow Associates, Project No. OTEN00018293B, dated May, 2008, was carried out. The groundwater monitoring findings were summarized as follows:

- 13 monitoring wells were sampled for VOCs and PHCs
- 4 drinking water wells were sampled for VOCs and PHCs
- Exceedance were observed in three monitoring wells (MW1, MW03-06 and MW03-07)
- Drinking water at 2751 Dunrobin Road indicated an exceedance in chloroform
- Spring 2007 sampling indicated 2750 Dunrobin Road met all MOE Table 2 criteria
- Further groundwater monitoring was recommended on a bi-annual basis
- Homeowners were recommended to install carbon filter within drinking water systems

Background-Hydrogeology and Area Wells

A bedrock geology map for the site area indicates that surrounding area bedrock consists of dolostone with thin glauconitic shale beds and interbeds of quartz sandstone and shaly dolostone of the Beekmantown Group of the Oxford Formation.

The surficial geology map indicates that the proposed lot is located within areas of older alluvial deposits and fine-textured glaciomarine deposits. Most well records for area wells indicate that the soil thickness overlying bedrock ranges from ~21 to 28 metres, described as clay or till (clay sand, and/or gravel).

A review of area well records within 1,000 metres was carried out (one hundred and forty-six total records). The area well records are provided as Attachment A along with a map showing their approximate locations. Of the one hundred and forty-six well records, 19 are bedrock aquifer wells and the remaining are overburden wells, monitoring wells, well abandonment or unlisted. The well depths were indicated to be between about 6.7 and 76 metres in depth. Eighty-one drilled well records indicate that the water supply aquifer is within the overburdened. Nineteen drilled well records indicate limestone and/or sandstone was encountered during drilling. Based on reported test pumping rates of between 4.5 and 454 litres per minute, corresponding specific yields of 0.4 to 352.2 litres per minute per metre of drawdown were calculated, based on drawdowns reported on the well records.

A review of topographical information from the City of Ottawa online mapping indicates that the general topography for the area slopes from the west to east. The shallow groundwater flow direction is expected to closely follow topography.

Historical Area Land Use

An aerial review of the surrounding land uses of 500 metres study area indicates that the surrounding land uses consist of scattered residential dwellings, agricultural uses (mostly pasture land rather than crop farms), and commercial storage. There is some potential for nitrogen impacts from the agricultural uses, based on the potential for the use of fertilizer on agricultural lands. The overall density of development in the area is very low, such that the potential for significant groundwater impact from adjacent land uses is not expected.

There are no active landfills within 1,000 metres of the subject site. A review of Pits and Quarries online database indicates that there are four pits in the area approximately 3.5 kilometres northeast from the subject site. All pits are active Class A pits and the water status are unlisted. The Permit to Take Water (PTTW) database was also consulted. There were no PTTW for at least 1 kilometres from the property.

Ottawa Hydrogeological Information Geodatabase – 2742 Dunrobin Road

The City of Ottawa provided background information for the subject site within a 750 metre radius of the subject site. Data included all known geotechnical boreholes and drilled wells for previous hydrogeological reports, the following data was included;

- Aquifer Tests
- Borehole Logs
- Field Chemistry
- General Chemistry

- Metal Chemistry
- Microbiological Parameters
- Organic Chemistry

A review of the provided data indicated a total of 85 sampled locations with various water chemistry parameters tested. One bedrock well was identified within the dataset. However, based on the MOE well record the location of the bedrock well appears erroneous as it is located on Panmure Road, some 10 km to the west.

One overburden well was indicated to have exceedances in chlorides, dissolved organic carbon, TDS, and hardness. An additional overburden well also indicated exceedances in chlorides. The majority of the sampled wells were observed to have exceedances in hardness.

The information on area wells as reviewed from OHIG indicates that the vast majority of area wells servicing current development are screened or dug wells, including a residential subdivision (Porcupine Trail). The absence of bedrock wells is an indicator that poor water quality is present in the bedrock. The only bedrock well that was sampled (Well ID 1534292) is for a well that is actually listed on the MECP on Panmure Road some 10 km west and is therefore not considered to be representative of local conditions. No other bedrock wells were tested as per the OHIG information provided. Therefore, although it is not possible to report water quality in the bedrock, the lack of any wells propagating that aquifer suggests bedrock water quality/quantity are likely poor.

In a review of area well records carried out by Kollaard Associates Inc. (Table III), there were a limited number of well records indicating bedrock wells constructed in the 1960s and 1970s. However, the following was also noted:

Locations of bedrock wells (3) dating to 1960s and 1970s indicate newer screened wells, suggesting that bedrock wells have been abandoned.

One drilled well from 2005 is on a vacant parcel (possibly abandoned or incorrect listing at 977 Thomas Dolan parkway does not exist). This well may be located on 2744 Dunrobin Road and was likely abandoned as that property is the original land parcel from which this lot was severed in 2008, using screened wells constructed in 2007.

Based on the review of area well records available on the MECP well database and information from OHIG, it is considered that the majority of area wells are either screened in the clay, sand and/or gravel (presumed till) layer or dug wells within upper soils which are described as clay or sand. A review of surficial geology mapping indicates that some areas (especially to the west) consist of alluvial deposits. However, the subject property has marine deposits of silt and clay. As such, the water quality in the wells is different in these areas as the confined conditions may not be present. It is noted that there is often greater variability in wells that are obtaining water from overburden deposits as the water quality is dependent on the nature of soils, the presence or absence of a confining layer and well construction methods. Well depths are typically between 10 and 25 metres in depth and constructed within a combination of clay, sand and/or gravel (older alluvial deposits).

A total of 74 overburden wells were sampled within 750 metres of the subject property for various parameters including subdivision parameters (Table IV). The sample dates are based on the development of a residential subdivision and were mostly carried out in 1989 to 1990, with a few wells sampled in 1998 and one in 2005. These results may not be consistent with

current conditions, as they likely represent a pre-development condition for the area. The chloride levels in sampled overburden wells varied from 9 to 318 mg/L, with the majority of wells having acceptable chloride levels. Other parameters that were reported include fluoride (no exceedances), nitrites/nitrates, TKN and ammonia.

One other overburden well was sampled for trace metals and the subdivision criteria (see Table 2). That well is located some 600 metres west-northwest of the site and the well record indicates that the well is screened from 15.6 to 16.8 metres depth. So the well is very similar in depth and construction to the subject well. The water quality in that well is compared to the water quality in the subject well (Table II). Based on the results, barium is elevated in the other well (0.68 to 0.78 mg/L) but within MAC of 1 mg/L. Iron and manganese are above their AO at 0.77 mg/L and 0.10 mg/L, respectively, but not as elevated as the subject well. Similarly, sodium and chloride are all present above the MCCRT in that well and it also has high hardness.

2.0 Groundwater Supply Evaluation

The proposed water usage on site is to provide service water to an onsite trailer for sanitary and septic purposes. The supply water at the subject site will not be used as a potable drinking source and will be identified as outlined in Ontario Building Code Section 7.7.2.1 (Markings Required). The following sections discuss the water quantity and quality for the proposed development on site.

2.1 Water Quantity

A. Water Demand

The water demand is calculated using the information from the sewage system daily design flow and peaking factors available in the City of Ottawa Water Distribution Guidelines, 2010. The sewage design flows are provided below, based on the sewage design information (provided by client).

Daily sewage design flow:

The daily sewage design flow is equal to a maximum daily demand for the site. The site is to be developed as follows;

Water Demand

Commercial Trailer

Office: The greater of 2 employees x 75 L/day = 150 L/day OR
28 m^2 Office Space x 75 L/day per 9.3 m^2 = 225 L/day

TOTAL DAILY SEWAGE DESIGN FLOW = 225 L/day

Since sewage system design is based on the maximum expected daily use, it is equivalent to the Maximum Daily Demand (MDD). The MDD is based on an eight hour operation schedule (i.e. full day occurs over an eight hour period and not over 24 hours).

City of Ottawa calculates the Maximum Hour Demand (MHD) for a commercial or industrial demand to be 1.8 x MDD

MDD = 225 litres / day x 1 day / 8 hours x 1 hour / 60 minutes
= 0.5 litres / minute
MHD = 1.8 x MDD
= 1.8 x 0.5 litres / minute
= 0.9 litres / minute

The City of Ottawa predicted water usage of 0.9 L/min is used.

The Maximum Hourly Demand (MHD) for the site based on its proposed use is expected to be about ~0.9 litres/minute, compared to the pumping test rate which was 15.4 litres/minute. This indicates that the pumping rate used for the test was appropriate as the peak water demand rate was met for the test. The MDD is 225 L/day. The test was carried out for 6 hours at the above noted rate and some ~5,400 Litres of water were removed from the well in that time. As such, the amount of water taking in six hours exceeds the expected daily water taking for the full development.

B. Pumping Test

The well was pumped for six hours at a pumping rate of about 15.4 litres per minute. Over the course of the pumping test, the water level in the well dropped some 7.8 metres. At the end of the pumping test, about 40 minutes was required for 95 percent recovery of the total drawdown in the static water level created during pumping.

The pumping test drawdown and recovery data and plots for TW1 are provided as Attachment B. The drawdown and recovery data provided were measured with reference to the top of the well casing at the test well location.

The pumping test data for the test well was analyzed using the method of Cooper and Jacob (1946). Although the assumptions on which these equations are based are not strictly met, this method provides a reasonable estimate of the aquifer transmissivity.
Transmissivity was calculated using the following relationship:

$$T = \frac{2.3Q}{4\pi ds}$$

where Q is the pump rate, m^3/day
ds is the change in drawdown over one time log cycle, m
T is the transmissivity, m^2/day

Based on the drawdown data from the pumping test, the transmissivity is estimated to be about 4.5 m^2/day. Based on the recovery data from the pumping test, the transmissivity is estimated to be about 6.8 m^2/day. The pump rate was kept at a constant rate throughout the 6 hour interval. The pumping rate and duration that were used were sufficient to confirm that the well yield is sufficient for the proposed use. The recovery data indicate the well quickly recovered and the flat line of the drawdown are good indicators that the well has a higher capacity than 15 Litres per minute. The well record indicates that based on a one hour yield test, the well is producing ~45.5 litres per minute.

Based on the data obtained during the pumping test, it can be concluded that the well is capable of sustaining a short term yield of about 15.4 litres per minute. During the course of the pumping period, about 84.5 percent of the available drawdown in the test well was utilized, based on the recommended pump depth of 13.7 metres and the static water level recorded the day of the pumping test (4.48 metres). The specific capacity of the well based on the pumping rate used is 1.6 litres per minute per metre of drawdown.

2.2 Well Interference

In order to determine water quantity, information from area well records was obtained. The following chart provides water quantity data using information reported on the well records within 250 metres.

Well No.	Well Depth (m)	Receiving Aquifer	Drawdown (m)	Available Drawdown (m)	Yield Test		
					Test rate (L/min)	Specific Capacity (L/min*m)	Spec. Cap. (m^2/day)
A051520 (TW1)	**18.0**	**Overburden**	**1.8**	**8.8**	**54.6**	**24.8**	**17.2**
A068278	14.0	Overburden	2.4	7.0	54.6	18.6	12.9
A051505	18.3	Overburden	2.7	8.6	54.6	16.6	11.5
1503391	9.8	Overburden	-	-	-	-	-
A166334	11.6	Overburden	3.0	5.3	45.5	12.4	8.6
A082447	42.7	Limestone	8.2	24.3	91.0	9.2	6.4
A023069	54.3	Limestone/Sandstone	5.5	20.0	22.8	3.4	2.4
1516202	44.2	Limestone/Sandstone	15.2	15.2	27.3	1.5	1.0
A023105	36.6	Limestone	1.2	20.7	91.0	62.1	43.1
A166330	11.9	Overburden	0.9	4.4	45.5	41.4	28.7

Based on the information from area well records within 250 metres, the specific capacities for area wells are in the range of 1.0 to 43.1 m^3/m/day for wells drilled between 12 and 54 metres deep. Transmissivity values are classified based on the amount of yield for water supply users. One classification (Kransy, Vol. 31, No. 2 – 1993 Ground Water) classifies specific capacity ranges between 1 and 100 m^2/day as low to intermediate transmissivity, which is sufficient for groundwater supply for private consumption and local water supply.

The pumping rates used for the existing wells were between 22.8 and 91.0 litres per minute. The well record provided for the well at 2742 Dunrobin Road indicates it was drilled in 2008. The specific capacity of that well based on a one hour yield test is 24.8 litres per minute per metre, at a flow rate of 54.6 litres per minute. The test well has a similar production rate as the existing area wells.

Available drawdown in the offsite wells, using their recommended pump depths and the static water level reported on the well records, indicates that available drawdown in the area wells is

between 4.4 and 24.3 metres. There is sufficient available drawdown in existing wells, such that the addition of a commercial well is not expected to affect water supply in offsite wells.

2.3 Water Quality

Prior to field work, all field equipment was properly calibrated and tested to ensure accurate readings of temperature, conductivity, pH, total dissolved solids, turbidity and residual chlorine levels. During the pumping test, hourly field readings of these parameters were recorded. Initial temperature, conductivity, pH, total dissolved solids, turbidity readings were not recorded due to equipment malfunction in the field.

Field Equipment Calibration

The equipment used to measure pH, temperature and total dissolved solids (conductivity) had calibration verified on July 11, 2024. The accuracy of the device is as follows;

Parameter	**Accuracy**
Temperature	±0.5 ºC
pH	±0.05 pH
Electrical Conductivity/Total dissolved Solids	±2% f.s. (EC/TDS)

The turbidity/free chlorine meter was calibrated on June 20, 2024. The turbidity/free chlorine meter is calibrated on a semi annual basis to ensure accurate field readings. The device accuracy is ±2% of reading plus 0.2NTU.

The results of the chemical, physical and bacteriological analyses of the water samples obtained from the test well are provided in Attachment D. A summary of the water quality measured in the field are provided as Table I, Water Quality Measurements for Test Well.

Groundwater samples were prepared and preserved in the field using appropriate techniques. Chlorine residuals were measured prior to obtaining water samples for lab submission and free chlorine was measured to be zero when measured after 1 hour. The water samples were submitted to Eurofins Environmental Laboratory in Ottawa, Ontario, for the chemical, physical and bacteriological analyses listed in the MECP guideline entitled Procedure D-5-5, Technical Guideline for Private Wells: Water Supply Assessment, August 1996 and trace metals identified in the City of Ottawa Hydrogeological and Terrain Analysis Guidelines.

The samples that were submitted for metals testing (and true colour) were field filtered using 0.45 micron filter prior to placement in preserved sample bottles. Due to the elevated turbidity that was measured at the laboratory after the initial pumping test results of September 12, 2024, a second water sample was obtained on September 26, 2024. This was done to verify the original water quality. As the well is screened it was considered that if the water was sampled using a peristaltic sampling pump, less disturbance of the suspended solids may yield more representative water quality. However, the water quality was similar for the two sampling events. It is considered that the field readings for turbidity and physical observations indicate that the water was clear at the time of sampling. However, due to the elevated levels of iron, manganese, the lab based turbidity for the samples was very elevated as was the apparent colour of the water. The true colour was within the aesthetic objective of 5 TCU, which indicates that the field filtered water samples, which removed suspended particles resulted in much less colour.

Results – TW1

The water meets all the Ontario Drinking Water Standards (ODWS) health and aesthetic parameters tested for at the test well except for chlorides, hardness, barium, iron, manganese, total dissolved solids, turbidity, and sodium.

The raw water quality is considered to be mineralized water, due to the water exceeding 500 mg/L of chlorides. The well water is not considered to be potable owing to the exceedances of chloride, sodium, and barium.

Ontario Well Regulation 903 permits a well that has mineralized or non potable water to be used if the well owner has the written consent of the Director, which is understood to be the MECP office identified as Water Well Management Program.

The proposed use of the property is commercial use and the water is considered to be non potable, based on the results of water quality testing. The water use will be restricted to that needed to provide water for plumbing purposes in an onsite trailer and is not intended for drinking.

Kollaard Associates Inc. and the well owner will request permission from the MECP to continue to use the well, despite that it does not meet the Ontario Drinkign Water Standards for potability and due to the mineralized water. A signed copy of Consent Not to Abandon Water Supply Well will be provided to the City of Ottawa provided MECP accepts the hydrogeological report on the condition that the water is not to be used for human consumption.

As water is not to be used for human consumption, water treatment systems are not recommended to improve water palatability. The following water quality discussion includes recommendations such as mitigative measures to reduce the corrosive potential of water in contact with the water distribution piping and to limit the water use to that necessary to flush a toilet and for handwashing. The water demand is expected to be limited to 225 Litres per day. Use of any drinking water treatment system would result in an increased water demand and result in waste streams, which is also to be avoided.

A. Chloride

Chloride was measured at a level of 1220 to 1280 mg/l, compared to the aesthetic objective of 250 mg/l and is considered to be “mineralized water” under the Ontario Well Regulation 903, due to the exceedance of 500 mg/L in that regulation. Excessive chloride levels may cause corrosion in the distribution system and make water unpalatable. Assessment of the corrosive potential of water using the Ryznar Stability Index (RSI) and Langelier Saturation Index (LSI) was carried out. The RSI values for the test well water samples were between 5.70 and 6.1. RSI values less than 6 indicate that the scale potential increases and values greater than 7 indicate that a calcium carbonate formation does not lead to a protective corrosion inhibiting film and RSI values above 8 indicate mild steel corrosion. The LSI values for the water samples were between 0.67 and 0.99. Positive values for LSI indicate that scale can form and calcium carbonate precipitation may occur, while values close to zero indicate borderline scale potential. Negative LSI values indicate corrosion. Based on the RSI and LSI values, the water appears to be scale forming. However, with the chloride levels above 250 mg/L, Health Canada indicates the following: “*The chloride ion's ability to form soluble salts with many metal ions prevents the formation of films that could prevent the further corrosion of metal surfaces.”*

The following comments and recommendations are provided to address the corrosive potential of the water.

The following is recommended:

- Interior water supply lines using PEX (cross-linked polyethylene) tubing rated for drinking water (NSF certified) rather than copper pipe will increase the lifespan of the interior pipes;
- Interior fixtures and fittings should use stainless steel, brass or ceramic which are all resistant to corrosion.

B. Hardness

The water is considered to be very hard by water treatment standards. Water with hardness above 80 to 100 milligrams per litre as $CaCO_3$ is often softened for domestic use. The hardness at the well is 1966 to 1020 milligrams per litre. It is recommended not to treat the water to reduce hardness. Hardness is of concern mostly to appliances and for laundering and showering as the limescale build up on pipes and in appliances can lead to corrosion points where scale forms. For showering and laundering hardness reduces effectiveness of soap. As the water use for the site is limited to providing water for toilets and there will be no other appliances (i.e. dish washing, washer, shower) there is no concern with hard water except its ability to deteriorate water distribution pipes. The same recommendation for chloride applies in that the use of PEX tubing has a smooth surface that prevents/reduces mineral deposits on the surface and hence reduces scale formation compared to other materials, especially copper. PEX piping is flexible and there are typically less bends, connections and fittings, which also limit the scale formation.

C. Barium

Barium was measured at a level of 1.76 to 1.90 mg/l, compared to the maximum acceptable concentration of 1.0 mg/l under Ontario Drinking Water Standards, Objectives and Guidelines. Barium naturally occurs in certain types of igneous and sedimentary rocks. Health Canada states the following:

Under acidic, anaerobic and high chloride/low sulphate conditions, as well as conditions of reduced reduction-oxidation potential, barium mobility is increased, favouring its migration to groundwater (Kravchenko et al.)

It is considered that the presence of elevated chloride in the groundwater has resulted in barium being more mobile and migrated from the soils to the groundwater under the aquifer conditions.

As the water will not be used for drinking, no treatment to reduce barium is recommended.

D. Iron and Manganese

Iron was measured at a level of 10.9 to 11.0 mg/L, compared to the aesthetic objective of 0.3 mg/L. A subsequent water sample indicated iron level to be 31 mg/L. Manganese was also present at 0.63 mg/L to 1.02 mg/L, compared to the aesthetic objective of 0.05 mg/L. Excessive iron levels and manganese may cause brown or black discolouration of laundry and fixtures,

affect the taste and colour of water, and iron precipitation in pipes and hot water tank can also promote the growth of iron bacteria.

No treatment is recommended for iron and manganese.

E. Total Dissolved Solids

The Total dissolved solids (TDS) have an aesthetic objective (AO) of 500 mg/L. The TDS levels encountered at the test well vary from about 2630 to 2640 mg/L after three and six hours, respectively.

The MOE D-5-5 Guideline comments that corrosion or encrustation of metal fixtures or appliances; taste; turbidity are all possible effects of TDS. Where TDS levels exceed 500 mg/L, written rationale that corrosion, encrustation or taste problems will not occur should be provided.

The Technical Support Document for the Ontario Drinking Water Standards, Objectives and Guidelines (ODWSOG) states the following with regards to TDS:

> *The term total dissolved solids (TDS) refers mainly to the inorganic substances dissolved in water. The principal constituents of TDS are chloride, sulphates, calcium, magnesium and bicarbonates. The effects of TDS on drinking water depend on the levels of the individual components. Excessive hardness, taste, mineral deposition or corrosion are common properties of highly mineralized water. The palatability of drinking water with a TDS level less than 500 mg/L is generally considered to be good.*

Depending on which parameters are elevated, TDS exceedances can include hardness, taste, mineral deposition or corrosion. In this case, the water samples had exceedances in hardness, sodium, and chloride. The Ryznar Stability Index (RSI) and Langelier Saturation Index (LSI) were calculated for both water samples from the test well. The RSI values for the test well water samples were 5.70 and 5.71 for the three and six hour samples, respectively. The LSI values for the water samples were 0.99 for the three and six hour samples, respectively. RSI values less than 6 indicate that the scale potential increases and values greater than 7 indicate that a calcium carbonate formation does not lead to a protective corrosion inhibiting film.

In this case, the presence of elevated chlorides will cause the water to be corrosive as chloride prevents scale from forming, despite what the RSI and LSI would predict. To reduce corrosion, the recommendations are provided under the above noted Section A. Chloride.

F. Turbidity

The hourly field measurements for turbidity indicate that the well was being actively developed. The turbidity levels declined through pumping and were at 2.4 NTU, below the aesthetic objective of 5 NTU, by the end of the test. The lab measured turbidity for the three and six hour samples were >100 NTU. The elevated turbidity was considered to be due to the elevated iron and manganese. The lab result for turbidity is elevated compared to the field readings due to the iron and manganese precipitates which developed through sample handling, exposure to air and temperature changes between the time sampled and the lab testing. Similarly, colour was elevated for the sample that was not field filtered (i.e. apparent colour) whereas the sample that was field filtered (true colour) had colour within allowable limits. The field readings for turbidity indicate that the water is clear at the source. The MECP indicates that provided that drinking water has turbidity of less than 5 NTU at the point of consumption (i.e. in the field not after

transportation to the laboratory) and the source is groundwater (rather than surface water), turbidity is acceptable. It is noted that the water had no bacterial exceedance and the source is from groundwater. As the water is not to be used for human consumption, there are no concerns with lab based turbidity and no treatment to reduce iron is recommended.

G. Sodium

The water samples in the test well had exceedances in sodium. Sodium aesthetic objective and Maximum Concentration Considered Reasonably Treatable (MCCRT) is 200 mg/L. The water samples obtained from the test well measured sodium at between 486 and 505 mg/L. The presence of fluoride and chloride indicates that the sodium levels are due to natural salts found within the aquifer and not due to any surficial contaminants. Excessive sodium levels in may cause corrosion in the distribution system. The same recommendations in the chloride and TDS sections also apply to sodium.

Additionally, sodium is above the 20 milligrams per litre advisory level, whereby the local Medical Officer of Health should be notified when the sodium concentration exceeds 20 mg/L. However, water at the site is for sanitary distribution and will not be potable. In this case, the water is not to be used for drinking water and a notice is not required.

H. Colour

The water samples in the test well had exceedances in apparent colour 16 to 85 TCU). True colour (i.e. after field filtering to remove suspended particles) was within the acceptable AO of 5 TCU. The elevated colour is considered to be caused by iron and manganese, which are present in a reduced form in the aquifer. However, once water comes into contact with air, iron and other metals can precipitate causing water to change colour. It is understood that any particle size less than 2 um in size is considered to be dissolved. However, as the field filter removes particles to 0.45 um filter, it can reduce the iron, manganese levels such that filtered water has a much lower colour that the whole water. So, treatment to remove iron and manganese would reduce the apparent colour in the treated water. In this case, as the water is not for human consumption, no treatment is recommended.

<u>Review of Available Aquifers with Consideration of Water Quality</u>

The consideration of whether the subject property could obtain water from a different aquifer and obtain a better water quality must consider the following.

The first aquifer at the site, based on the stratigraphy is the sand that lies below the upper clay confining unit. Information from area wells indicate that where the overburden encountered clay, most wells were screened in the sand underlying the clay. There are some areas where the clay confining unit is not present and wells are screened at varying depths in sand. Most wells are screened drilled wells rather than dug overburden wells.

The only other available aquifer is the bedrock aquifer. Very few wells are constructed into the bedrock, which based on area well record review and OHIG database indicates that is is likely that water quality in the bedrock is probably poor and that is why there are very few wells in that aquifer.

There was only one other well that was constructed similarly to the subject well for which the water quality was fully established (subdivision parameters and trace metals). Based on the similarity of water quality between it and the subject well, the following is noted.

- Both wells indicate elevated levels of sodium and chlorides above MCCRT but subject well has chlorides above 500 mg/L;
- Both wells have elevated hardness but the subject well has hardness above 500 mg/L compared to 261 mg/L in the other well;
- Both wells have iron and manganese well above AO;
- Both wells have elevated barium, however the subject well has barium above the MAC of 1 mg/L compared to ~0.7 to 0.8 mg/L in the other well;
- Both wells are screened at similar depths of between 17 to 18 metres (subject well) and 15.6 to 16.8 metres (Well at 1151 Thomas Dolan Parkway).

Based on the well records and surficial geology mapping, the other well does not have a confining clay unit as the surficial mapping for that area and well record indicate “older alluvial deposits” and sand as the surficial soil type, respectively. The subject property has a clay deposit that is some 7.6 metres in thickness overlying the sand. It is understood that the confining conditions reduces the recharge of fresh water from reaching the underlying aquifer resulting in water that is geologically older. This results in increased mineral content and explains the variation in water quality between similarly constructed wells. For example, it is understood that barium becomes more soluble with higher chloride levels, which explains the elevated barium in proportion with chloride levels. As chlorides are higher in the subject well, so is barium owing to the more mineralized water below the confining unit.

The well record for the subject well indicates that water was encountered at 17 metres below ground surface and the sand above 11.6 metres was described as brown sand, indicating that it may not be sufficiently saturated at and above that depth to yield water. Screened wells must also be screened in coarser soils (i.e. sands) to avoid the screen being plugged by silt/clay and other fine materials, which may have only been encountered at the depth indicated on the well record. Based on the available information, it is considered that there is no other aquifer that could be propagated at the site in order to obtain a better water quality as the surficial soils are clay (i.e. aquitard) and the bedrock aquifer has not been propagated, likely owing to poor water quality (based on the lack of wells in that aquifer). Most area wells are screened because dug wells are typically limited in depth and based on the stratigraphy, sufficient water may not be present above some 11.6 metres in depth.

3.0 TERRAIN STUDY

Based on the regional well records, the depth of soil on the closest adjacent properties varies between 6.1 to 27.8 metres described in well records as clay, sand and/or gravel. The well record for the well at 2742 Dunrobin Road indicates a soil depth of 18.0 metres. The well record indicates that the upper 7.6 metres consists of clay overlying sand from 7.6 to 18 metres depth. In order to assess whether the site is hydrogeologically sensitive, a review of available soils mapping and well record information was carried out. A site is considered to be potentially hydrogeologically sensitive if the soil cover at and surrounding the site is generally less than 2 metres in thickness. The surficial geology mapping indicates older alluvial deposits, fine textured glaciomarine deposits, and organic deposits.

Based on the information provided for the site, it is not considered to be hydrogeologically sensitive in the area of the proposed development at 2742 Dunrobin Road.

3.1 GROUNDWATER IMPACT ASSESSMENT

The most probable groundwater receiver for sewage effluent is the clay deposit at the site. To obtain a general indication as to the potential impact of septic effluent on the properties adjoining the proposed development, a nitrate dilution model was used. For this case, as the site is considered to be a commercial use, the daily effluent loading is based on estimated actual flows using the sewage system design flows as a guideline. The resulting nitrate dilution calculations are provided as Attachment D, along with the Climate Data used for the calculation.

The sewage design flow calculations were provided by the sewage system designer and are as follows;

Office: The greater of 2 employees x 75 L/day = 150 L/day OR
28 m^2 Office Space x 75 L/day per 9.3 m^2 = 225 L/day

TOTAL DAILY SEWAGE DESIGN FLOW = 225 L/day
= 82 m^3/year

Sewage design flows are representative of maximum expected conditions and not average actual flows. As such, to determine long term potential sewage impacts, the actual flows can be considered.

To be conservative of predicted sewage flows, the calculation for the commercial development is to be based on 28 square metres of office space.

Other infiltration factors that were used in the above noted calculations are provided below.

Infiltration is based on moisture surplus and incorporates factors including soils, topography, soil cover and impervious areas (infiltration reduction factors). For this calculation, the background nitrate was assumed to be 0.0 mg/L.

The following provides the basis whereby the infiltration reduction factors for the site were chosen for the dilution calculations.

Topographic, soil and land cover infiltration factors were selected from *Table 2* of the MOE *Hydrological Technical Information Requirements for Land Development Applications*. The following is a discussion of each of the infiltration reduction factors chosen for the site.

The site is characterized by rolling terrain, based on a topographical survey of the site and the post-development conditions indicate that slope is generally less than 6 percent. The topography factor that applies to the site is 0.20.

The type of land cover observed at the site at the time of site visits and by use of satellite imagery consists mostly of grass cover. The post-development conditions provided in the Grading Plan (DB Gray Engineering C-1 of 4) show a tree grove and manhole covers in the in the north portion of the site. The land cover infiltration factor of 0.10 was selected, which corresponds to cultivated land and does not include any trees or post-development re-vegetation.

A soil infiltration factor of 0.10 was chosen as the site is indicated to be underlain by clay and sand followed by sand and gravel soils based on the well record on site. The soil infiltration value that was used corresponds to tight impervious clay, based on the expected lower permeability of the underlying soils encountered across the site.

In order to determine water surplus estimates for the site area, Environment Canada published values for Ottawa International Airport obtained for the years 1939 to 2021 was used. The expected moisture surplus or net potential infiltration for the site area was estimated 312 millimetres, for the clay and silt type soils that are expected for the site.

Hard Surfaced Area post-development was calculated as follows. The areas of the roofs of the buildings at the site occupy an area of some 28 square metres and are not available for infiltration. The parking area consists of permeable asphaltic concrete surfaced area of about 1480 square metres. For asphalt, the runoff coefficient is 0.9. The Net Infiltration Area (NIA) for the site was calculated as 2578 square metres, which factors in the grassed surfaced areas and about 10% of the hard surfaced areas based on the infiltration rate of 0.10 through compact asphalt. There will also be additional infiltration promoted through the stormwater retention area that is not included, making the NIA calculation conservative.

For the purposes of D-5-4, a conventional sewage system is considered for impact purposes to ensure that nitrate attenuation capacity is met at the property lines.

The nitrate impact calculation, using a predicted actual sewage flow of 225 L/day (82 m^3/year) a conventional system effluent quality of 40 mg/L as total nitrogen indicates that the expected concentration of nitrate at the down gradient property boundary is some 7.9 mg/L, which is within the predicted impact of 10 mg/L.

Based on the above noted information, the expected impact at the down gradient property boundary of the site is expected to be within the allowable limits of the MOE, incorporating the sewage design considerations as discussed in the following section.

Evaluation of Impact to the Overburden Aquifer and Shallow Well Users

The water supply well at the site is considered to be mineralized water due to chlorides being present above 500 mg/L. The chloride level is ~1,220 to 1,280 mg/L. Other parameters that are present include barium, sodium, iron and manganese.

Based on the soils information for the site and surrounding area, the receiving groundwater is the clay soils. It is expected that the well water is to be discharged only through the sewage system. There will be no water treatment so no discharge to any sump drains or secondary discharge from water softener or reverse osmosis treatment is anticipated. The wastewater quality is expected to have elevated sodium, chlorides and barium from the well water. However, as the water demand at the site is very limited, some 225 L/day, the volume of wastewater is expected to be very marginal. The confining unit at and near the site will limit the ability of the effluent to migrate into any watercourse or aquifer. As the Ontario Building Code setbacks indicate that the sewage system for the subject property must be placed at least 15 or more metres (depending on how fully raised the proposed sewage system is) from any water supply well that is sealed to at least 6.1 metres below ground surface and 30 metres from any dug well, this is considered to be sufficient separation to ensure that no area wells would be impacted by the sewage effluent on the subject property. As the other area wells are expected

to have somewhat similar water quality (see Pages 3 to 5 for discussion on water quality in other wells) and are also expected to be discharging water from water softeners and other treatment systems into the environment and into sewage systems, the impact from this additional development, where water softeners will not be used, is not anticipated to have any significant impact on groundwater or surface water resources in the area.

3.2 SEWAGE DESIGN CONSIDERATIONS

It is understood that the proposed design is to consist of a fully raised conventional system. A sewage design has not been provided for review. The attached Grading Plan prepared by D. B. Gray Engineering indicates a portable restroom. However, a sewage design is needed for permanent servicing according to information provided by the City of Ottawa (Attachment E).

The size of the septic envelopes are a function of the percolation time of the native soil in the vicinity of the septic envelope and/or the fill used for construction of a septic bed and the daily effluent loading to the septic bed.

- the separation distances between septic envelopes and properly constructed drilled and cased wells should be at least twice the grade raise plus 15 metres for fully raised beds as required by the Ontario Building Code;
- the proposed sewage system is down gradient (ie. Northeast) of the existing well location.
- The onsite well can be considered to be sealed to a depth of at least 6.1 metres and the setback distance between the sewage system and the well must be a minimum of 15 metres plus twice the grade raise of the proposed sewage system and at least 15 metres between the subject well and the sewage tank must be provided, in addition to ensuring adequate separation distances between offsite wells and the proposed sewage system are also respected.

Based on the above noted site conditions, Kollaard Associates Inc. considers that the groundwater impact of the proposed development is within the impact limits established by the MECP.

4.0 WELLHEAD PROTECTION

During construction of the parking lot, the following is required to protect the integrity of the well casing:

- The well is shown to be within about 4 to 5 metres from the proposed parking area; and

- Well location shall be carefully marked to prevent any damage to the well casing. This could include the placement of temporary field stone/bollards and/or traffic cones; and

- During construction activities, wellhead protection measures should be in place to protect the annulus around the wellhead. This means that the excavation for the building shall be banked upwards to the well location to limit soil disturbance near the well. As the well casing is screened to a depth of 18.0 metres, there is sufficient wellhead protection in place such that soil disturbance in the upper soils will not affect the sealing of the wellhead. Any disturbance of soils near the well must be immediately repaired and grading around the well should be regarded to ensure drainage away from the well.

After development construction, the grading around the wellhead shall be carried out as follows to comply with well siting requirements and be in accordance with the Ontario Regulation 903:

- The well casing must extend to greater than 400 millimetres above final finished grades around the well; and
- The ground surface shall be graded such that the well is the highest point on the ground surface within 3 metres radially from the exterior of the well casing and shall ensure that water does not collect or pond near the well head.
- The stormwater management facility is located some 95 to 100 metres from the wellhead. A minimum separation distance of 15 metres shall be maintained as stormwater is considered a source of contaminants to the wellhead.
- All possible contaminant sources shall be kept a minimum distance of 15 metres from the well. Possible contaminant sources include; chemical storage, garage and related chemicals, such as antifreeze, gasoline, oils, vehicle/boat/equipment storage, sewer lines, septic systems, animal enclosures, manure or compost piles. If liquid chemicals, such as antifreeze, oil and gasoline/diesel, and their waste products, are to be stored at the site, they should be stored in containers approved for that purpose. The container(s) should be labelled with their contents. Secondary containment should be installed around all bulk liquid chemical or waste storage containers, to collect and contain leaks and spills from the tank and all connections.
- The wellhead is located within a landscaped area adjacent to the parking lot. The use of curbs between the parking spaces and the landscaped area are generally sufficient to ensure well is physically protected from the access roadway. With these measures in place, it is considered that an adequate amount of wellhead protection is going to be in place to protect the water supply for the proposed light industrial use of the property. The well location is also appropriate for access in case of repairs and well maintenance.

Recommendations for well maintenance include; inspect wellhead annually to ensure that the casing is structurally sound, verify well cap is sealed and that surface water is not pooling around wellhead. The well is located such that it is easily accessible for maintenance/repairs. A lock on the well cap is useful to prevent vandalism.

5.0 CONCLUSIONS

Based on the results of this evaluation it is considered that the well in question is capable of supplying water of adequate quantity and quality (provided wellhead protection as indicated) for the proposed development with suitable treatment as follows;

- *Total Dissolved Solids:* The Total dissolved solids (TDS) have an aesthetic objective (AO) of 500 mg/L. The TDS levels encountered at the well vary from about 2630 to 2640 mg/L after three and six hours, respectively. The TDS levels are elevated due to the presence of sodium and chlorides and very high hardness resulting in water that is mildly corrosive. To reduce corrosive potential of the water supply, the following is highly recommended:
    1) Establishing a preventative maintenance program to be perform regular to replace components showing signs of corrosion.
    2) Interior water supply lines using PEX or plastic piping rated for drinking water (NSF certified) rather than copper pipe will prevent corrosion of pipes and the resulting leaching of metals into the water from the pipes;
    3) Interior fixtures and fittings should use stainless steel, brass or ceramic which are all resistant to corrosion.

4) Water softeners could be not be used, as hardness is very high and any water softening will worsen the corrosive potential of the water.

- *Barium:* Barium was measured at a level of 1.89 to 1.90 mg/l, compared to the maximum acceptable concentration of 1.0 mg/l.
- *Iron and Manganese:* Iron was measured at a level of 10.9 to 11.0 mg/L, compared to the aesthetic objective of 0.3 mg/L. Manganese was also present at 0.63 mg/L, compared to the aesthetic objective of 0.05 mg/L. Iron and manganese can be effectively removed using conventional ion exchange water softeners. However, depending on the form that iron is in (reduced or oxidized) as well as the concentration and other factors, iron filters, such as a manganese greensand filter or other proprietary filter may be more effective in removing iron and manganese from the water supply.
-

The sewage impact from the proposed development is within allowable limits of 10 mg/L as nitrate, using a fully raised conventional system. The contaminant limits at the down gradient property boundary will not be exceeded provided the daily sewage design flow does not exceed some 305 L/day, which results in a nitrate limit of about 9.9 mg/L. The current design flow is some 225 L/day which results in a predicted down gradient property boundary of 7.9 mg/L as nitrate. Based on the on the above noted information, the predicted sewage impact on the down gradient properties is within the allowable limits.

We trust this report provides sufficient information for your purposes. If you have any questions concerning this report, please do not hesitate to contact our office.

Yours truly,

Kollaard Associates Inc.

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PROVINCE OF ONTARIO

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KEY PLAN	FIGURE 1

NOT TO SCALE

Kollaard Associates
Engineers

Project No. 240728

Date September 2024

TABLE I

FIELD WATER QUALITY MEASUREMENTS
FOR TEST WELL 1

Time Since Pumping Test Started (min)	**Turbidity** (NTU)	**Temperature** (^{0}C)	**pH**	**Conductivity** (µS)	**Total Dissolved Solids** (ppm)	**Free Chlorine** (ppm)	**Taste**	**Smell**	**Colour**
60	2.55	12.3	6.80	2950	1469	0.46	N/A	Earthy	Clear
120	3.16	13.1	6.83	2870	1460	-	N/A	Earthy	Clear
180	1.68	14.7	6.76	2806	1444		N/A	None	Clear
240	1.51	12.9	6.74	2860	1400	-	N/A	None	Clear
300	1.66	16.1	6.74	2790	1444	-	N/A	None	Clear
360	2.44	16.1	6.82	2824	1427		Bad	None	Clear

Summary of Well Water Chemistry for Test Well

Parameter	Guideline	TW1			15344287	
		3hr	6hr	26-Sep-24	24-Jun-04	02-Nov-15
Anions						
Chloride [mg/l]	AO/MCCRT 250	**1280**	**1260**	**1220**	184	**318**
Nitrate [mg/l]	MAC 10.0	<0.1	<0.1	<2.0	0.025	0.027
Nitrite [mg/l]	MAC 1.0	<0.1	<0.1	**<2.0**	0.006	0.003
Sulphate [mg/l]	AO 500	86	85	87	95.6	107
Calculations						
Hardness [mg/l]	OG 100	**1020**	**1000**	**966**		**261**
Ion Balance		0.97	0.96	1.00		
General Chemistry						
Alkalinity [mg/l]	OG 500	307	304	270		
Colour (True) [TCU]	AO 5 MCCRT 7	5	<2	<2		
Conductivity [uS/cm]		4060	4050	4080	1540	2040
DOC [mg/l]	AO 5	0.9	0.9	2.7	5.4	5.8
Fluoride [mg/l]	MAC 1.5	0.4	0.41	0.38	0.36	0.45
pH		7.68	7.69	7.48	7.7	8.29
Hydrogen Sulphide [mg/l]	AO 0.05	<0.02	<0.02	<0.05		
Tannin & Ligin [mg/l]		0.4	0.2	0.3		
Turbidity [NTU]	AO 5.0	**>100**	**>100**	**>100**		
General Chemistry						
Calcium [mg/l]		269	259	245		65.1
Magnesium [mg/l]		85	86	86		23.9
Potassium [mg/l]		14	14	14		9.88
Sodium [mg/l]	AO 200	**505**	**486**	**504**		**336**

Table II (Continued)

Summary of Well Water Chemistry for Test Well

Parameter	Guideline	TW1			1534287	
		3hr	6hr	26-Sep-24	24-Jun-06	11-Nov-15
Metals						
Aluminum [mg/l]	OG 0.1		<0.01	<0.01		
Antimony [mg/l]	IMAC 0.006		<0.0005	<0.0005	0.00115	0.0004
Arsenic [mg/l]	IMAC 0.01		<0.001	<0.001	0.0004	0.0004
Barium [mg/l]	MAC 1.0	**1.9**	**1.89**	**1.76**	0.783	0.678
Beryllium [mg/l]			<0.0005	<0.0005	0	0
Boron [mg/l]	IMAC 5.0		0.04	0.03	0.243	0.564
Cadmium [mg/l]	MAC 0.005		<0.0001	<0.0001	0.00001	0
Chromium [mg/l]	MAC 0.05		<0.001	<0.001	0.0018	0.0002
Cobalt [mg/l]	*0.0038		<0.0002	<0.0002	0.00014	0.0002
Copper [mg/l]	AO 1.0		<0.001	<0.001	0.0007	0.0005
Iron [mg/l]	AO 0.3	**11**	**10.9**	**31.0**	**2.5**	**0.77**
Lead [mg/l]	MAC 0.010		<0.001	<0.001	0.0005	0.0001
Manganese [mg/l]	MAC 0.05	**0.65**	**0.63**	**1.02**	**0.209**	**0.104**
Mercury [mg/l]	MAC 0.001		<0.0001	<0.0001		
Molybdenum [mg/l]			<0.005	<0.005	0.00052	0.0009
Nickel [mg/l]	MAC 0.010		<0.005	<0.005	0.0001	0.0012
Selenium [mg/l]	MAC 0.05		<0.001	<0.001	0.001	0.0001
Silver [mg/l]			<0.0001	<0.0001	0	0
Strontium [mg/l]	** 7.0		1.13	1.16	3.3	1.93
Thallium [mg/l]			<0.0001	<0.0001	0	0
Uranium [mg/l]	MAC 0.02		0.002	<0.001	0.00065	0.0006
Vanadium [mg/l]	*0.0062		<0.001	<0.001	0.00079	0.0006
Zinc [mg/l]	AO 5.0		<0.01	<0.01	0.0013	0.0007

Table II (Continued)

Summary of Well Water Chemistry for Test Well

Parameter	Guideline	TW1		
		3hr	6hr	26-Sep-24
Nutrients, Phenols, Solids				
Ammonia [mg/l]		0.152	0.142	0.167
TKN [mg/l]		0.288	0.295	0.5
Phenols [mg/l]		<0.001	<0.001	<0.001
TDS [mg/l]	AO 500	**2640**	**2630**	**2650**
Bacteria				
Escherichia [CFU/100mL]	MAC 0	0	0	
Total Coliforms [CFU/100mL]	MAC 0	0	0	
Heterotrophic Plate Count (mHPC) [CFU/1mL]		17	13	
Petroleum Hydrocarbons				
F1 minus BTEX [ug/L]			<20.0	
F1 (C6 to C10) [ug/L]			<20.0	
PHCs				
F2 (C10 to C16) [ug/L]			<20	
F3 (C16 to C34) [ug/L]			<50	
F2 (C34 to C50) [ug/L]			<50	

Summary of Well Water Chemistry for Test Well

Parameter	Guideline	TW1		
		3hr	6hr	26-Sep-24
Volatile Organic Compounds				
1,1,1,2-Tetrachloroethane [ug/L]			<0.5	
1,1,1-Tetrachloroethane [ug/L]			<0.4	
1,1,2,2-Tetrachloroethane [ug/L]			<0.5	
1,1,2-Trichloroethane [ug/L]			<0.4	
1,1-Dichloroethane [ug/L]			<0.4	
1,1-Dichloroethene [ug/L]	MAC 14		<0.5	
1,2,4-Trichlorobenzene [ug/L]			<0.5	
1,2-Dibromoethane [ug/L]			<0.2	
1,2-Dibromobenzene [ug/L]	MAC 200		<0.4	
1,2-Dichloroethane [ug/L]	MAC 5		0.3	
1,2-Dichloroethene, cis + trans [ug/L]			<0.5	
1,2-Dichloropropane [ug/L]			<0.5	
1,3,5-Trimethylbenzene [ug/L]			2.1	
1,3-Dichlorobenzene [ug/L]			<0.4	
1,3-Dichloropropene, cis + trans [ug/L]			<0.5	
1,4-Dichlorobenzene [ug/L]	MAC 5		<0.4	
Acetone [ug/L]			5.7	
Benzene [ug/L]	MAC 1		1.0	<0.5
Bromodichloromethane [ug/L]			<0.3	
Bromofrom [ug/L]			<0.4	
Bromomethane [ug/L]			<0.5	

Summary of Well Water Chemistry for Test Well

Parameter	Guideline	TW1		
		3hr	6hr	26-Sep-24
Volatile Organic Compounds - Continued				
Carbon Tetrachloride [ug/L]	MAC 2		<0.2	
Chloroethane [ug/L]			<0.5	
Chloroform [ug/L]			<0.5	
Chloromethane [ug/L]			<0.2	
Cis,1,2-Dichloroethane [ug/L]			<0.4	
Cis,1,3-Dichloroethane [ug/L]			<0.5	
Dibromochloromethane [ug/L]	MAC 50		<0.3	
Dichlorodifluoromethane [ug/L]			<0.5	
Dichloromethane [ug/L]	MAC 140		<4.0	
Diethyl Ether [ug/L]			<5.0	
Ethylbenzene [ug/L]			1.0	<0.5
Hexane [ug/L]			8	
m/p-Xylene [ug/L]			5.3	<0.4
Methyl butyl ketone (MBK) [ug/L]			<5.0	
Methyl ethyl ketone (MEK) [ug/L]			<2.0	
Methyl isobutyl ketone (MIBK) [ug/L]			<5.0	
Methyl tert-butyl ether (MTBE) [ug/L]			<2.0	
Monochlorobenzene [ug/L]	MAC 80		<0.5	
o-Xylene [ug/L]			2.1	<0.4
Sytrene [ug/L]			<0.5	
Tetrachloroethylene [ug/L]	MAC 10		<0.3	
Toluene [ug/L]	MAC 60		25.3	<0.4
trans-1,2-Dichloroethene [ug/L]			<0.4	

Summary of Well Record Information

Well No	Distance from Site	Soil Depth m	Soil Desc.	Bedrock desc.	Casing Depth m	Total Depth m	Water Desc.	Yield Test			
								Test rate L/min	Static Level m	Specific Capacity L/min*m	Spec. Cap. m^3/day/m
A051520	42	17.98	Clay, Sand	Overburden	16.92	17.98	Not Tested	54.5	4.88	29.8	42.9
A068278	52	14.02	Clay, Sand, Silt	Overburden	12.80	14.02	Not Tested	54.5	5.18	22.3	32.2
A051505	58	18.29	Clay, Sand	Overburden	17.22	18.29	Not Tested	54.5	5.18	19.9	28.6
A051505	58	-	Well Audit	-	-	-	-	-	-	-	-
1503391	89	9.75	Loam, Gravel	Overburden	10.06	9.75	Unknown	-	1.83	-	-
7127124	120	-	Monitoring Well	-	-	-	-	-	-	-	-
A166334	140	11.58	Clay, Sand	Overburden	10.36	11.58	Not Tested	45.4	4.88	14.9	21.4
7290083	140	-	Monitoring Well	-	-	-	-	-	-	-	-
7127123	145	-	Monitoring Well	-	-	-	-	-	-	-	-
7290079	145	-	Monitoring Well	-	-	-	-	-	-	-	-
7290080	145	-	Monitoring Well	-	-	-	-	-	-	-	-
7124505	146	-	Monitoring Well	-	-	-	-	-	-	-	-
7290084	147	-	Monitoring Well	-	-	-	-	-	-	-	-
7124516	150	-	Monitoring Well	-	-	-	-	-	-	-	-
A023069	151	21.03	Sand, Boulders	Limestone/Sandstone	23.17	54.26	Not Tested	22.7	2.74	4.1	6.0
A082447	152	27.13	Sand, Gravel	Limestone	29.87	42.67	Not Tested	90.8	6.10	11.0	15.9
7124507	156	-	Monitoring Well	-	-	-	-	-	-	-	-
7124514	158	-	Monitoring Well	-	-	-	-	-	-	-	-
7290087	159	-	Monitoring Well	-	-	-	-	-	-	-	-
7290088	159	-	Monitoring Well	-	-	-	-	-	-	-	-
7124508	159	-	Monitoring Well	-	-	-	-	-	-	-	-
7124517	159	-	Monitoring Well	-	-	-	-	-	-	-	-
7124506	159	-	Monitoring Well	-	-	-	-	-	-	-	-
7124515	159	-	Monitoring Well	-	-	-	-	-	-	-	-
7290078	167	-	Monitoring Well	-	-	-	-	-	-	-	-
7118910	168	6.71	Monitoring Well	-	-	-	-	-	-	-	-
7124518	170	-	Monitoring Well	-	-	-	-	-	-	-	-
7290082	171	-	Monitoring Well	-	-	-	-	-	-	-	-
1516202	174	27.74	Sand	Limestone/Sandstone	27.74	44.20	Fresh	27.2	6.10	1.8	2.6
A094416	175	7.62	Sand, Clay (Monitoring Well)	Overburden	-	-	-	-	-	-	-
A023105	177	22.86	Clay, Sand and Gravel	Limestone	23.77	36.58	Not Tested	90.8	3.66	74.5	107.2
7290081	179	-	Monitoring Well	-	-	-	-	-	-	-	-
7290086	185	-	Monitoring Well	-	-	-	-	-	-	-	-
7118842	188	-	Monitoring Well	-	-	-	-	-	-	-	-
7124513	195	-	Monitoring Well	-	-	-	-	-	-	-	-
7290048	198	-	Monitoring Well	-	-	-	-	-	-	-	-
7118909	201	6.10	Monitoring Well	-	-	-	-	-	-	-	-
7124512	215	-	Monitoring Well	-	-	-	-	-	-	-	-
7290077	215	-	Monitoring Well	-	-	-	-	-	-	-	-
7124511	220	-	Monitoring Well	-	-	-	-	-	-	-	-
A166330	220	11.89	Sand	Overburden	10.67	11.89	Not Tested	45.4	5.49	49.6	71.5
7124504	221	-	Monitoring Well	-	-	-	-	-	-	-	-
7318217	224	-	Abandoned	-	-	-	-	-	-	-	-
7124510	224	-	Monitoring Well	-	-	-	-	-	-	-	-
7127122	229	-	Monitoring Well	-	-	-	-	-	-	-	-
7124509	229	-	Monitoring Well	-	-	-	-	-	-	-	-
7125544	234	-	Monitoring Well	-	-	-	-	-	-	-	-
7290085	235	-	Monitoring Well	-	-	-	-	-	-	-	-
A307629	260	14.33	, Clay, Silt (GPS Old Abdandoned	Overburden	13.11	14.33	Not Tested	322.3	6.10	352.5	507.6
1515289	276	24.69	Clay	Limestone	25.30	45.72	Fresh	68.1	6.71	2.1	3.0
1503392	286	28.04	Clay, Sand	Granite	28.04	39.62	Fresh	9.1	6.10	0.6	0.9
1519052	303	3.35	Clay	Granite	6.71	60.96	Fresh	-	9.14	-	-
1533314	312	12.50	Clay, Sand	Overburden	11.28	12.50	Fresh	36.3	5.49	19.9	28.6
A187042	319	25.30	Sand, Clay, Gravel	Limestone/Sandstone	27.43	60.96	Not Tested	54.5	2.74	2.1	3.0
7252370	324	-	Abandoned	-	-	-	-	-	-	-	-
7252369	324	-	Abandoned	-	-	-	-	-	-	-	-
7371698	329	-	-	-	-	-	-	-	-	-	-
A192939	352	13.11	Clay, Sand	Overburden	11.89	13.11	Not Tested	4.5	5.18	3.0	4.3
A023068	352	24.99	Clay, Sand	Limestone/Sandstone	26.82	53.95	Not Tested	36.3	0.91	2.7	3.9
1532737	357	12.80	Unknown	Unknown	6.10	12.80	Not Tested	31.8	0.30	104.3	150.1
A276736	394	15.54	Clay, Sand	Overburden	13.11	15.54	Not Tested	22.7	4.88	5.0	7.1
A018560	405	13.11	Clay, Sand	Overburden	12.19	13.11	Fresh	27.2	0.61	6.9	9.9
A252408	425	15.24	Clay, Gravel	Overburden	13.56	15.24	Not Tested	45.4	4.88	29.8	42.9
1514776	431	24.08	Clay, Sand	Limestone	24.99	62.48	Fresh	27.2	5.49	0.8	1.2
A274306	459	22.56	Clay, Sand	Limestone	24.38	36.88	Not Tested	54.5	5.49	2.2	3.2
A004061	463	16.76	Sand, Silt, Gravel	Overburden	15.54	16.76	Not Tested	54.5	1.83	16.2	23.4
A173121	493	-	Well Extension	-	-	-	-	-	-	-	-
A274214	505	23.77	Clay, Gravel, Boulders	Limestone	-	39.62	-	45.4	5.49	1.9	2.7
A018555	539	10.36	Clay, Sand	Overburden	9.14	10.36	Not Tested	49.9	3.66	163.8	235.9
A013695	555	22.86	Clay, Sand	Overburden	21.64	22.86	Not Tested	181.6	3.96	148.9	214.5
A307630	574	11.58	Clay, Sand	Overburden	10.36	11.58	Not Tested	32.0	1.52	35.0	50.4
1530766	601	17.37	Clay, Sand	Overburden	16.15	17.37	Not Tested	27.2	5.49	12.8	18.4
1530767	601	14.33	Clay, Sand	Overburden	13.11	14.33	Not Tested	45.4	5.49	24.8	35.7
1531692	636	11.89	Sand, Clay, Stones	Limestone	13.56	37.49	Not Tested	31.8	0.91	20.9	30.0
_NO_TAG	640	22.25	Well Extension	Limestone	-	24.99	Not Tested	90.8	5.18	74.5	107.2
A062775	654	12.19	Clay, Sand	Overburden	10.67	12.19	Not Tested	45.4	4.57	-	-
A192944	655	13.72	Clay, Sand and Gravel	Overburden	12.50	13.72	Not Tested	45.4	5.18	21.3	30.6

Well No	Distance from Site	Soil Depth m	Soil Desc.	Bedrock desc.	Casing Depth m	Total Depth m	Water Desc.	Yield Test			
								Test rate L/min	Static Level m	Specific Capacity L/min*m	Spec. Cap. m^3/day/m
1510342	671	23.47	Clay, Boulders, Sand	Limestone	23.77	42.67	Fresh	22.7	9.14	0.7	1.0
1532744	757	-	Abandoned	-	-	-	-	-	-	-	-
1520938	758	14.33	Clay, Silt, Sand	Overburden	13.41	14.33	Fresh	363.2	1.52	34.0	49.0
1523354	758	15.24	Sand	Overburden	13.41	15.24	Fresh	31.8	10.06	8.7	12.5
1523873	758	24.69	Clay, Sand	Overburden	22.86	24.69	Fresh	9.1	1.52	0.4	0.6
1523874	758	23.47	Clay, Silt, Sand	Overburden	21.95	23.47	Fresh	227.0	3.05	24.8	35.7
1523875	758	24.38	Clay, Sand	Overburden	22.56	24.38	Fresh	45.4	3.05	2.3	3.3
1523876	758	26.21	Clay, Sand	Overburden	22.56	26.21	Fresh	136.2	3.05	11.2	16.1
1523877	758	24.38	Clay, Sand and Gravel	Overburden	23.17	24.38	Fresh	136.2	1.52	9.9	14.3
1523878	758	21.03	Clay, Silt, Sand and Gravel	Overburden	18.59	21.03	Fresh	36.3	3.05	7.9	11.4
1523879	758	17.37	Sand, Clay, Gravel	Overburden	15.85	17.37	Fresh	45.4	3.05	14.9	21.4
1523880	758	20.12	Sand, Clay, Gravel	Overburden	18.59	20.12	Fresh	45.4	3.05	14.9	21.4
1523881	758	18.29	Clay, Silt, Sand	Overburden	15.24	18.29	Fresh	45.4	3.05	14.9	21.4
1523882	758	18.29	Clay, Sand	Overburden	15.85	18.29	Fresh	45.4	3.05	14.9	21.4
1523883	758	27.43	Clay, Sand	Overburden	21.95	27.43	Fresh	18.2	3.35	1.0	1.5
1523884	758	26.52	Clay, Silt, Gravel	Overburden	24.38	26.52	Fresh	136.2	3.05	11.2	16.1
1523885	758	15.24	Sand, Clay	Overburden	10.06	15.24	Fresh	90.8	-	-	-
1523945	758	21.34	Clay, Sand	Overburden	18.29	21.34	Fresh	136.2	1.52	9.9	14.3
1523946	758	15.24	Clay, Sand	Overburden	12.19	15.24	Fresh	113.5	2.13	33.9	48.7
1523947	758	13.72	Clay, Sand	Overburden	10.97	13.72	Fresh	22.7	1.83	2.6	3.7
1523948	758	21.34	Clay, Sand	Overburden	17.37	21.34	Fresh	227.0	3.05	74.5	107.2
1523949	758	20.73	Clay, Sand	Overburden	18.29	20.73	Fresh	18.2	1.52	1.2	1.7
1523950	758	21.95	Clay, Sand	Overburden	20.42	21.95	Fresh	18.2	3.35	1.0	1.5
1524260	758	16.76	Sand	Overburden	13.41	16.76	Fresh	68.1	4.57	7.4	10.7
1530671	758	12.19	Clay, Sand	Overburden	10.97	12.19	Not Tested	45.4	4.27	37.2	53.6
1530673	758	12.19	Clay, Sand	Overburden	10.97	12.19	Not Tested	45.4	4.57	24.8	35.7
1530682	758	12.19	Clay, Sand	Overburden	10.97	12.19	Fresh	45.4	1.52	21.3	30.6
1530809	758	6.71	Sand, Clay	Overburden	5.18	6.71	Fresh	68.1	1.52	111.7	160.9
1531604	758	7.92	Sand, Clay	Overburden	5.79	7.92	Fresh	45.4	1.22	148.9	214.5
1526087	868	30.48	Clay, Sand, Gravel	Overburden	30.48	30.48	Fresh	-	15.24	-	-
1530768	868	12.50	Sand, Gravel	Overburden	11.58	12.50	Not Tested	54.5	5.49	178.7	257.4
A192930	903	75.90	Clay, Silt, Sand and Gravel	Overburden	22.25	75.90	Not Tested	45.4	3.96	74.5	107.2
1516700	913	21.34	Clay, Sand, Boulders	Sandstone	31.39	42.67	Salty	136.2	6.10	22.3	32.2
1509426	921	19.51	Clay, Gravel	Overburden	-	19.51	Salty	9.1	4.88	3.3	4.8
1516971	930	3.35	Loam, Clay, Stones	Limestone	6.71	36.58	Fresh	45.4	7.62	4.3	6.1
1511737	936	14.33	Clay, Sand, Boulders	Sandstone	14.63	28.04	Not Tested	27.2	12.19	3.6	5.1
1521051	939	14.02	Clay, Sand and Gravel	Overburden	11.58	14.02	Fresh	454.0	3.66	1489.5	2144.9
1523213	939	9.45	Sand	Overburden	7.62	9.45	Fresh	31.8	3.05	8.7	12.5
1523445	939	10.97	Clay, Silt, Gravel	Overburden	10.59	10.97	Fresh	68.1	3.96	9.7	14.0
1523446	939	17.07	Clay, Silt, Gravel	Overburden	16.46	17.07	Fresh	90.8	3.66	7.8	11.3
1523447	939	24.99	Sand, Clay, Gravel	Overburden	24.23	24.99	Fresh	227.0	3.66	10.8	15.5
1523448	939	20.42	Clay, Sand	Overburden	19.81	20.42	Fresh	45.4	1.52	2.5	3.6
1523449	939	20.73	Clay, Sand	Overburden	19.81	20.73	Fresh	27.2	2.13	1.5	2.1
1523450	939	19.51	Clay, Sand	Overburden	18.67	19.51	Fresh	136.2	2.74	8.3	11.9
1523451	939	24.69	Clay, Sand, Gravel	Overburden	23.93	24.69	Fresh	54.5	-	-	-
1523452	939	20.12	Clay, Sand, Gravel	Overburden	19.51	20.12	Fresh	227.0	3.05	14.9	21.4
1523453	939	19.20	Clay, Sand, Gravel	Overburden	18.59	19.20	Fresh	227.0	3.66	15.5	22.3
1524228	939	20.42	Clay, Sand and Gravel	Overburden	18.29	20.42	Fresh	113.5	4.88	93.1	134.1
1524230	939	15.24	Clay, Sand	Overburden	12.19	15.24	Fresh	90.8	-	-	-
1524231	939	16.76	Clay, Sand	Overburden	13.41	16.76	Fresh	68.1	-	-	-
1524232	939	20.12	Pre-Dug, Sand	Overburden	19.20	20.12	Fresh	27.2	4.57	4.5	6.4
1524240	939	10.67	Sand	Overburden	8.53	10.67	Fresh	31.8	-	-	-
1524582	939	22.86	Clay, Sand and Gravel	Overburden	20.42	22.86	Fresh	227.0	-	-	-
1527364	939	16.15	Loam, Clay, Sand and Gravel	Overburden	15.24	16.15	Fresh	22.7	3.05	10.6	15.3
1527365	939	13.11	Loam, Clay, Sand and Gravel	Overburden	12.19	13.11	Fresh	22.7	3.35	37.2	53.6
1527366	939	15.24	Loam, Clay, Sand and Gravel	Overburden	14.33	15.24	Fresh	22.7	3.05	3.1	4.5
1527367	939	16.15	Clay, Silt, Sand and Gravel	Overburden	15.24	16.15	Fresh	22.7	3.35	37.2	53.6
1527368	939	10.67	Clay, Sand	Overburden	9.75	10.67	Fresh	22.7	3.35	10.6	15.3
1527369	939	14.02	Loam, Clay, Sand and Gravel	Overburden	13.11	14.02	Fresh	22.7	3.05	74.5	107.2
1527370	939	13.11	Clay, Sand and Gravel	Overburden	12.19	13.11	Fresh	22.7	2.13	74.5	107.2
1527371	939	11.89	Loam, Clay, Sand and Gravel	Overburden	10.97	11.89	Fresh	22.7	1.83	24.8	35.7
1527372	939	14.02	Loam, Clay, Sand and Gravel	Overburden	13.11	14.02	Fresh	22.7	1.52	7.4	10.7
1527373	939	12.50	Loam, Clay, Sand and Gravel	Overburden	11.58	12.50	Fresh	22.7	1.52	18.6	26.8
1529988	939	11.58	Sand, Clay, Gravel	Granite/Limestone	12.80	75.59	Fresh	45.4	10.67	0.8	1.2
1530770	939	12.19	Clay, Sand	Overburden	10.97	12.19	Not Tested	45.4	5.49	24.8	35.7
1530811	939	12.50	Clay, Sand	Overburden	11.28	12.50	Fresh	36.3	5.49	59.6	85.8
1531603	942	-	Abandoned	-	-	-	-	-	-	-	-
1533930	944	-	Abandoned	-	-	-	-	-	-	-	-
A342318	964	-	-	-	-	-	-	-	-	-	-

Summary of OHIG Well Chemistry Data

Well ID	Aquifer Type	Data Origin	Sampled Date	Cl	Colour	DOC	EC	F	Hardness	H2S	Ion Balance	NH3	NO2	NO2NO3	NO3	pH	Phenols	PO4	SO4	TA	Tannin and Lig	TDS	TKN	Turbidity
1523453	Overburden	06T-86039	1998-03-11									0.58	0.05		0.05								0.58	
1523453	Overburden	06T-86039	1993-01-01	46								0.65	0.05		0.05									
1523453	Overburden	06T-86039	1989-01-01	32								0.35												
1524228	Overburden	15-86-3058 Phase 1 - DW	1989-11-01	14								0.28											0.41	
1524229	Overburden	15-86-3058 Phase 1 - DW	1989-11-01	9								0.11											0.65	
1524230	Overburden	06T-86039	1998-03-11									1.18	0.05		0.05								1.35	
1524230	Overburden	06T-86039	1993-01-01	114								1.82	0.05		0.05									
1524230	Overburden	06T-86039	1989-01-01	101								0.75												
1524231	Overburden	06T-86039	1998-03-11									1.41	0.05		0.05								1.86	
1524231	Overburden	06T-86039	1993-01-01	147								1.79	0.05		0.05									
1524231	Overburden	06T-86039	1989-01-01	177								1.13												
1524232	Overburden	15-86-3058 Phase 1 - DW	1989-11-01	11								0.05											0.05	
1524240	Overburden	15-86-3058 Phase 1 - DW	1989-11-01	12								0.05											0.05	
1524240	Overburden	15-86-3058 Phase 1 - DW	1993-01-01	6								0.05	0.36		3.6									
1524321	Overburden	15-86-3064 Phase 2	1990-04-01									0.22												
1524323	Overburden	15-86-3064 Phase 2	1990-04-01	4								0.19												
1524325	Overburden	15-86-3064 Phase 2	1990-04-01	6								0.05												
1524326	Overburden	15-86-3064 Phase 2	1990-04-01	10								0.16												
1524327	Overburden	15-86-3064 Phase 2	1990-04-01									0.05												
1524329	Overburden	15-86-3064 Phase 2	1990-04-01									0.17												
1524330	Overburden	15-86-3064 Phase 2	1990-04-01									0.19												
1524331	Overburden	15-86-3064 Phase 2	1990-04-01	11								0.17												
1524331	Overburden	15-86-3064 Phase 3	1993-06-01			80																		1
1524332	Overburden	15-86-3064 Phase 2	1990-04-01	4								0.12												
1524334	Overburden	15-86-3064 Phase 2	1990-04-01	11								0.16												
1524335	Overburden	15-86-3064 Phase 2	1990-04-01									0.14												
1524341	Overburden	15-86-3064 Phase 2	1990-04-01	11								0.18												
1524363	Overburden	15-86-3064 Phase 2	1990-04-01	11								0.1												
1524364	Overburden	15-86-3064 Phase 2	1990-04-01	13								0.05												
1524365	Overburden	15-86-3064 Phase 2	1990-04-01	121								0.97												
1524527	Overburden	15-86-3064 Phase 2	1990-04-01	248								0.63												
1524528	Overburden	06T-86039	1998-03-11									1.35	0.05		0.05								1.35	
1524528	Overburden	06T-86039	1993-01-01	83								0.81	0.05		0.05									
1524528	Overburden	06T-86039	1989-01-01	39								0.44												
1524578	Overburden	06T-86039	1998-03-11									1.01	0.05		0.05								1.26	
1524578	Overburden	06T-86039	1993-01-01	103								1.34	0.05		0.05									
1524578	Overburden	06T-86039	1989-01-01	62								0.72												
1524579	Overburden	06T-86039	1998-03-11									0.91	0.05		0.05								1.02	
1524579	Overburden	06T-86039	1993-01-01	81								1.41	0.05		0.05									
1524579	Overburden	06T-86039	1989-01-01	13								0.64												
1524580	Overburden	06T-86039	1998-03-11									0.58	0.05		0.05								0.68	
1524580	Overburden	06T-86039	1993-01-01	37								0.76	0.05		0.05									
1524580	Overburden	06T-86039	1989-01-01	39								0.45												
1524581	Overburden	06T-86039	1998-03-11									0.68	0.05		0.05								1	
1524581	Overburden	06T-86039	1993-01-01	186								0.94	0.05		0.05									
1524581	Overburden	06T-86039	1989-01-01	246								0.4												
1524582	Overburden	06T-86039	1989-01-01	282								0.39												
1527364	Overburden	06T-86039	1998-03-11									0.69	0.05		0.05								0.81	
1527364	Overburden	06T-86039	1993-01-01	28								1.15	0.05		0.05									
1527364	Overburden	06T-86039	1989-01-01	8								0.61												
1527365	Overburden	06T-86039	1998-03-11									0.13	0.05		0.05								0.25	
1527366	Overburden	06T-86039	1998-03-11									0.19	0.05		0.05								0.26	
1527367	Overburden	06T-86039	1998-03-11									0.15	0.05		0.05								0.26	
1527368	Overburden	06T-86039	1998-03-11									0.08	0.05		0.05								0.17	
1527369	Overburden	06T-86039	1998-03-11									0.2	0.05		0.05								0.29	
1527370	Overburden	06T-86039	1998-03-11									0.93	0.05		0.31								1.29	
1527371	Overburden	06T-86039	1998-03-11									0.19	0.05		0.05								0.29	
1527372	Overburden	06T-86039	1998-03-11									0.4	0.05		0.14								0.53	
1527373	Overburden	06T-86039	1998-03-11									0.51	0.05		0.54								0.71	
1534287	Overburden	PGMN_WELLS_NAD83	2004-06-24	184		5.4	1540	0.36				0.16	0.006		0.025	7.7		0.01	95.6	482		924	0.79	
1534287	Overburden	PGMN_WELLS_NAD83	2015-11-02	318		5.8	2040	0.45	261			0.43	0.003		0.027	8.29		0.0205	107	382		1170		
1534292	Bedrock	PGMN_WELLS_NAD83	2006-11-30	196		2	1400	0.92	201			0.17			0.05	8.15		0.06	99	303			0.26	
1534292	Bedrock	PGMN_WELLS_NAD83	2007-12-06	228		3.3	1410	0.99	202			0.21			0.05	7.94		0.015	93	300			0.36	
1534292	Bedrock	PGMN_WELLS_NAD83	2004-06-24	274		1.2	1560	1.24	202			0.025	0.01		0.025	8.22		0.03	116	288		937	0.28	
1534292	Bedrock	PGMN_WELLS_NAD83	2008-10-30	266		1.5	1580	1.14	219			0.06	0.0025		0.025	8.3		0.01	117	300		923	0.23	
1534292	Bedrock	PGMN_WELLS_NAD83	2009-11-12	219		1.3	1360	0.88	218			0.06	0.0025		0.025	7.94		0.01	99	310		782	0.19	
1534292	Bedrock	PGMN_WELLS_NAD83	2010-11-01	286		1.2	1910	1.07	225			0.19	0.0025		0.025	8.27		0.01	143	279		1070	0.19	
1534292	Bedrock	PGMN_WELLS_NAD83	2011-11-24	477		1.4	2290	1.08	280			0.46	0.008		0.27	8.11		0.04	154	314		1380	0.46	
1534292	Bedrock	PGMN_WELLS_NAD83	2012-11-21	313		1.4	1720	1.4	210			0.25	0.025		0.25	7.96		0.1	127	295		998	0.2	
1534292	Bedrock	PGMN_WELLS_NAD83	2013-10-17	427		1.8	2080	1.02	270			0.195	0.004		0.036	8.14		0.0046	158	276		1220	0.3	
1534292	Bedrock	PGMN_WELLS_NAD83	2014-10-24	446		1.7	2250	0.86	290			0.232	0.002		0.01	8.15		0.0069	159	287		1310	0.22	
1534292	Bedrock	PGMN_WELLS_NAD83	2015-11-02	648		1.6	2970	0.77	365			0.293	0.002		0.026	8.2		0.007	192	263		1690		
1521369 - TW1 (340 Min)	Overburden	15-86-3058 Phase 1	1987-06-01	54			880	1	277	0		0.05	0.05		0.1	7.81			3	456				
1521369 (TW1)	Overburden	15-86-3058 Phase 1	1993-01-01	38								0.2	0.05		0.05									
1521378 - TW5	Overburden	15-86-3058 Phase 1	1989-11-01	5								0.05											1.24	

Well ID	Aquifer Type	Data Origin	Sampled Date	Cl	Colour	DOC	EC	F	Hardness	H2S	Ion Balance	NH3	NO2	NO2NO3	NO3	pH	Phenols	PO4	SO4	TA	Tannin and Lig	TDS	TKN	Turbidity
1521378 - TW5 (340 Min)	Overburden	15-86-3058 Phase 1	1987-06-01	5			300	0.84	114	0		0.05	0.05		3.48	7.86			16	72				
1527365 (1440 Min)	Overburden	06T-86039	1993-01-01	7								0.05	0.05		0.05									
1527366 (1440 Min)	Overburden	06T-86039	1993-01-01	19								0.13	0.05		0.05									
1527367 (1440 Min)	Overburden	06T-86039	1993-01-01	5								0.1	0.05		0.05									
1527368 (1440 Min)	Overburden	06T-86039	1993-01-01	4								0.05	0.05		0.05									
1527369 (1440 Min)	Overburden	06T-86039	1993-01-01	8								0.13	0.05		0.05									
1527370 (1440 Min)	Overburden	06T-86039	1993-01-01	110								0.56	0.05		0.05									
1527371 (1440 Min)	Overburden	06T-86039	1993-01-01	32								0.11	0.05		0.05									
1527372 (1440 Min)	Overburden	06T-86039	1993-01-01	62								0.22	0.05		0.05									
1527373 (1440 Min)	Overburden	06T-86039	1993-01-01	79								0.28	0.05		0.05									
TW1	Overburden	15-86-3064	1986-08-26	2			190	0.21	105			0.1			0.1	7.55			8	455				
TW2	Overburden	15-86-3064	1986-10-14	86			990	1	252			0.1			0.1	7.75			36	455				
TW3 (356 Min)	Overburden	15-86-3058 Phase 1	1987-06-01	14			650	0.51	328	0		0.05	0.05		0.1	7.96			5	354				
Unknown (Lot 1)	Overburden	15-86-3064 Phase 2	1990-04-01									0.53												
Unknown (Lot 1)	Overburden	15-86-3064 Phase 3	1993-06-01	9								0.07										120		
Unknown (Lot 11)	Overburden	15-86-3064 Phase 3	1993-06-01	0.5				0.14														150		
Unknown (Lot 11)	Overburden	15-86-3058 Phase 1 - DW	1989-11-01	54								0.1											0.73	
Unknown (Lot 12)	Overburden	15-86-3064 Phase 3	1993-06-01	0.5				0.2														150		
Unknown (Lot 12)	Overburden	15-86-3064 Phase 3	1993-06-01	0.5	213		262	0.2	134	0.02		0.38	0.05		0.05	7.13	0.001		8	145	2.5	150	0.66	0.62
Unknown (Lot 12)	Overburden	15-86-3058 Phase 1 - DW	1989-11-01	41								0.52											0.68	
Unknown (Lot 13)	Overburden	15-86-3058 Phase 1 - DW	1989-11-01	32								0.3											0.3	
Unknown (Lot 14)	Overburden	15-86-3064 Phase 2	1990-04-01									0.16												
Unknown (Lot 14)	Overburden	15-86-3058 Phase 1 - DW	1989-11-01	16								0.29											0.32	
Unknown (Lot 15)	Overburden	15-86-3064 Phase 3	1993-06-01	6				0.15														170		
Unknown (Lot 15)	Overburden	15-86-3064 Phase 3	1993-06-01		37																			1.51
Unknown (Lot 15)	Overburden	15-86-3058 Phase 1 - DW	1989-11-01	1								0.19											0.2	
Unknown (Lot 16)	Overburden	15-86-3064 Phase 2	1990-04-01									0.05												
Unknown (Lot 16)	Overburden	15-86-3064 Phase 3	1993-06-01	0.5				0.24														180		
Unknown (Lot 17)	Overburden	15-86-3064 Phase 3	1993-06-01	1				0.12														110		
Unknown (Lot 18)	Overburden	15-86-3064 Phase 3	1993-06-01	0.5				0.28														120		
Unknown (Lot 18)	Overburden	15-86-3058 Phase 1 - DW	1989-11-01	0.5								0.05											0.05	
Unknown (Lot 19)	Overburden	15-86-3064 Phase 3	1993-06-01	1				0.11														180		
Unknown (Lot 19)	Overburden	15-86-3058 Phase 1 - DW	1989-11-01	0.5								0.05											0.05	
Unknown (Lot 19)	Overburden	15-86-3058 Phase 1 - DW	1993-01-01	3								0.05	0.05		0.05									
Unknown (Lot 2)	Overburden	15-86-3064 Phase 3	1993-06-01	0.5				0.18														110		
Unknown (Lot 20)	Overburden	15-86-3064 Phase 2	1990-04-01	7								0.11												
Unknown (Lot 20)	Overburden	15-86-3064 Phase 3	1993-06-01	0.5				0.14														170		
Unknown (Lot 20)	Overburden	15-86-3058 Phase 1 - DW	1989-11-01	0.5								0.05											0.05	
Unknown (Lot 21)	Overburden	15-86-3064 Phase 2	1990-04-01	8								0.14												
Unknown (Lot 21)	Overburden	15-86-3064 Phase 3	1993-06-01	2				0.2														110		
Unknown (Lot 21)	Overburden	15-86-3058 Phase 1 - DW	1989-11-01	5								0.05											0.36	
Unknown (Lot 22)	Overburden	15-86-3064 Phase 2	1990-04-01	14								0.17												
Unknown (Lot 22)	Overburden	15-86-3064 Phase 3	1993-06-01	0.5				0.13														110		
Unknown (Lot 23)	Overburden	15-86-3064 Phase 2	1990-04-01	15								0.05												
Unknown (Lot 23)	Overburden	15-86-3064 Phase 3	1993-06-01	0.5				0.08														90		
Unknown (Lot 24)	Overburden	15-86-3064 Phase 2	1990-04-01	15								0.05												
Unknown (Lot 27)	Overburden	15-86-3064 Phase 2	1990-04-01	4								0.05												
Unknown (Lot 28)	Overburden	15-86-3058 Phase 1 - DW	1989-11-01	0.5								0.05											0.05	
Unknown (Lot 29)	Overburden	15-86-3064 Phase 2	1990-04-01	5								0.25												
Unknown (Lot 29)	Overburden	15-86-3058 Phase 1 - DW	1989-11-01	0.5								0.05											0.05	
Unknown (Lot 3)	Overburden	15-86-3064 Phase 2	1990-04-01									0.2												
Unknown (Lot 3)	Overburden	15-86-3064 Phase 3	1993-06-01	0.5				0.14														120		
Unknown (Lot 3)	Overburden	15-86-3064 Phase 3	1993-06-01	1	45		197	0.14	91	0.02		0.2	0.05		0.05	7.76	0.001		10	94	0.7	120	0.44	0.6
Unknown (Lot 30)	Overburden	15-86-3064 Phase 2	1990-04-01	6								0.22												
Unknown (Lot 5)	Overburden	15-86-3064 Phase 3	1993-06-01	0.5				0.14														140		
Unknown (Lot 6)	Overburden	15-86-3064 Phase 2	1990-04-01	15								0.28												
Unknown (Lot 6)	Overburden	15-86-3064 Phase 3	1993-06-01	0.5				0.13														130		
Unknown (Lot 68)	Overburden	06T-86039	1998-03-11									0.52	0.05		0.05								0.54	
Unknown (Lot 68)	Overburden	06T-86039	1993-01-01	19								0.63	0.05		0.05									
Unknown (Lot 7)	Overburden	15-86-3064 Phase 2	1990-04-01	11								0.36												
Unknown (Lot 7)	Overburden	15-86-3064 Phase 3	1993-06-01	1				0.17														140		
Unknown (Lot 8)	Overburden	15-86-3064 Phase 2	1990-04-01	11								0.37												
Unknown (Lot 8)	Overburden	15-86-3064 Phase 3	1993-06-01	1				0.22														100		
Unknown (Lot 8)	Overburden	15-86-3058 Phase 1 - DW	1989-11-01	13								0.1											0.11	
Unknown (Lot 8)	Overburden	15-86-3058 Phase 1 - DW	1993-01-01	25								0.1	0.05		0.05									
Unknown (Lot 9)	Overburden	15-86-3064 Phase 2	1990-04-01	10								0.28												
Unknown (Lot 9)	Overburden	15-86-3064 Phase 3	1993-06-01	0.5				0.16														140		

ATTACHMENT A

MOE WELL RECORD FOR TW1, CERTIFICATE OF COMPLIANCE
PROVIDED BY WELL DRILLER
AND AREA WELL RECORDS AND MAP

Ontario Ministry of the Environment

Well Tag No. *(Place Sticker and/or Print Below)* A051520 A 051520

TW1

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
MacBeth Mechanical Inc.			

Mailing Address (Street Number/Name, RR)	Municipality	Province	Postal Code	Telephone No. *(inc. area code)*
13 Neely	Dunrobin	Ontario	K 0A 1 T0	6 1 3 8 3 20 1 8 0

Part A Construction and/or Major Alteration of a Well

Address of Well Location (Street Number/Name, RR)	Township	Lot	Concession
2742 Dunrobin Road	Kanata	27	3

County/District/Municipality	City/Town/Village	Province	Postal Code
Ottawa Carleton	Dunrobin	Ontario	

UTM Coordinates	Zone	Easting	Northing	GPS Unit Make	Model	Mode of Operation:
NAD 8 3	18	4 2 0 2 8	45 03 0 28 4		Garmin	☐ Undifferentiated ☒ Averaged ☐ Differentiated, specify

Overburden and Bedrock Materials *(see instructions on the back of this form)*

General Colour	Most Common Material	Other Materials	General Description	Depth (Metres) From	Depth (Metres) To
Brown	Clay		Packed	0	7.61
Brown	Sand			7.61	11.58
Gray	Sand			11.58	17.98

Annular Space/Abandonment Sealing Record

Depth Set at (Metres) From	To	Type of Sealant Used (Material and Type)	Volume Placed (Cubic Metres)
7.61	0	Grouted - Bentonite Slurry	.132m3

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): 13.71

Pumping rate (Litres/min): 54.6

Duration of pumping: 4 hrs + ____ min

Final water level end of pumping (Metres): 6.84

Recommended pump type: ☐ Shallow ☒ Deep

Recommended pump depth: 13.71 Metres

Recommended pump rate (Litres/min): 45.5

If flowing give rate (Litres/min):

	Draw Down Time (Min)	Draw Down Water Level (Metres)	Recovery Time (Min)	Recovery Water Level (Metres)
Static Level		4.91	Static Level	
1		6.51	1	5.62
2		6.71	2	5.36
3		6.78	3	5.05
4		6.81	4	4.98
5		6.81	5	4.95
10		6.82	10	4.93
15		6.83	15	4.93
20		6.83	20	4.92
25		6.83	25	4.91
30		6.83	30	
40		6.83	40	
50		6.83	50	
60		6.83	60	

Method of Construction

☐ Cable Tool ☐ Diamond
☐ Rotary (Conventional) ☐ Jetting
☐ Rotary (Reverse) ☒ Driving
☒ Rotary (Air) ☐ Digging
☐ Air percussion ☐ Boring
☐ Other, *specify* _____

Water Use

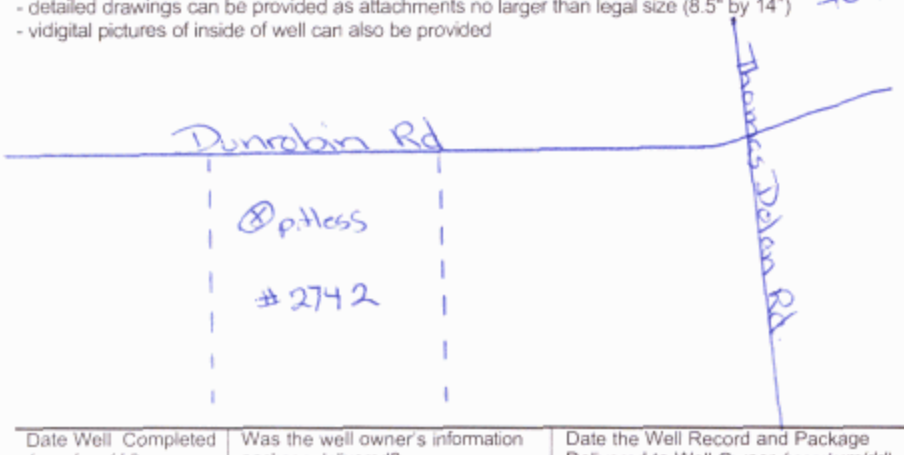
☐ Public ☐ Commercial ☐ Not used
☒ Domestic ☐ Municipal ☐ Dewatering
☐ Livestock ☐ Test Hole ☐ Monitoring
☐ Irrigation ☐ Cooling & Air Conditioning
☐ Industrial
☐ Other, *specify* _____

Status of Well

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

Location of Well

Please provide a map below showing:
- all property boundaries, and measurements sufficient to locate the well in relation to fixed points,
- an arrow indicating the North direction
- detailed drawings can be provided as attachments no larger than legal size (8.5" by 14")
- vidigital pictures of inside of well can also be provided



Water Details

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

Casing Used

☐ Galvanized
☒ Steel
☐ Fibreglass
☐ Plastic
☐ Concrete

Screen Used

☐ Galvanized
☒ Steel
☐ Fibreglass
☐ Plastic
☐ Concrete

No Casing and Screen Used

☐ Open Hole

Disinfected? ☒ Yes ☐ No

Casing and Well Details

Diameter of the Hole *(Centimetres)*: 0 15.86 // 16.94 13 16.94-17.9

Depth of the Hole (Metres): 17.98

Wall Thickness (Metres): .48

Inside Diameter of the Casing (Metres): 15.86

Depth of the Casing (Metres): + .45 to 16.94

Date Well Completed (yyyy/mm/dd)	Was the well owner's information package delivered?	Date the Well Record and Package Delivered to Well Owner (yyyy/mm/dd)
2008/3/12	☒ Yes ☐ No	2008/3/19

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Capital Water Supply Ltd.	1558

Business Address (Street No./Name, number, RR)	Municipality	Province	Postal Code	Business E-mail Address
Box 490	Stittsville	Ontario	K2S 1A6	office@capitalwater.ca

Bus. Telephone No. *(inc. area code)*	Name of Well Technician (Last Name, First Name)	Well Technician's Licence No.	Signature of Technician	Date Submitted (yyyy/mm/dd)
6138361766	Miller, Stephen	0097		2008/3/19

Ministry Use Only

Audit No.	Well Contractor No.
z 77320	
Date Received (yyyy/mm/dd) JUN 02 2008	**Date of Inspection** (yyyy/mm/dd)
Remarks	

0506E (11/2006)

Ministry's Copy

Ottawa

CERTIFICATE OF WELL COMPLIANCE

Capital Water Supply Ltd. I DO HEREBY CERTIFY that I am licensed to drill wells in the Province of Ontario, and that I have supervised the drilling of a well on the property of MacBeth Mechanical (Name of Landowner), located at 2742 Dunrobin Road - (Legal Description. Lot/Plan No.) in the City of Ottawa (Geographical Township of).

LOT 26 CONC. 3 PLAN* S/L*

CERTIFY FURTHER that, I am aware of the well drilling requirements, the guidelines, recommendations and regulations of the Ministry of the Environment governing well installations in the Province of Ontario, and the standards specified in any subdivision agreement and hydrogeological report applicable to this site and City Standards.

AND DO HEREBY CERTIFY THAT the said well has been drilled, cased, grouted (cement or bentonite) as applicable and constructed in strict conformity with the standards required.

Signed this 12 day of March, 2008.

Well Driller/Company

The Engineer on behalf of the landowner set out above Certifies that he/she has inspected the well and it was constructed in accordance with the specifications in O.Reg.903, this report ~~and the Hydrogeological Report~~ with regards to casing length and grouting requirements.

SIGNED this 28th day of July 2008.

Engineer

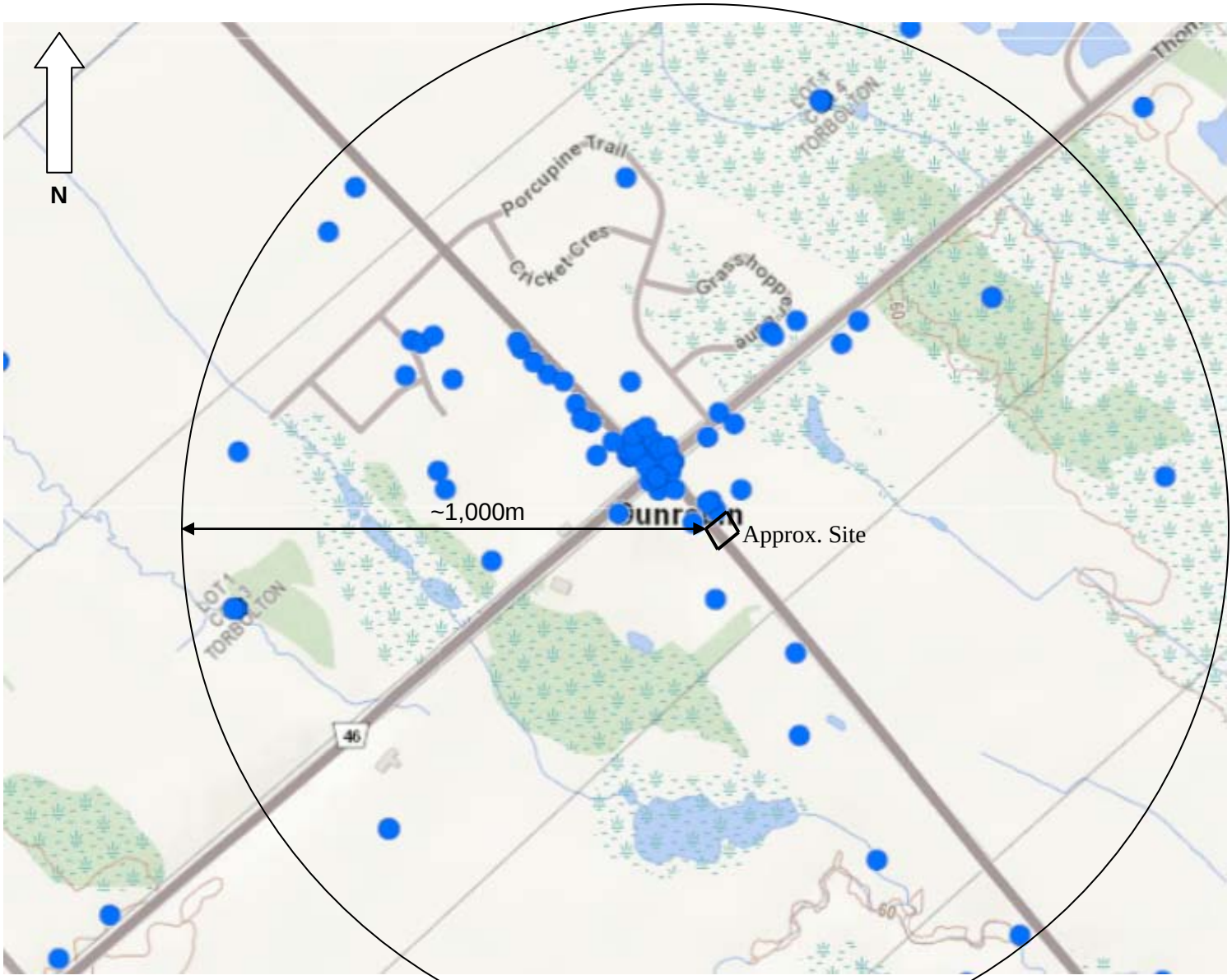
for KOLLAARD ASSOCIATES INC.

Shaping our future together
Façonnons notre avenir

City of Ottawa
Client Service Centre
Ville d'Ottawa
Centre de service

2001

REGIONAL WELLS MAP	APPENDIX A



NOT TO SCALE

Kollaard Associates
Engineers

Project No. 240728

Date December 2024

4

UTM | 18 | 420210 | E
| 9 | R | 5030100 | N

Elev. | 9 | R | 0210

Basin | 25 | | |

11

ONTARIO

31F 8h

The Well Drillers Act

Department of Mines, Province of Ontario

RECEIVED
MAY 18 1951
GEOLOGICAL BRANCH
DEPARTMENT OF MINES

No. 3391

Water Well Record

[redacted] Township, ~~Village, Town or City~~ March

[redacted] Town or City)

[redacted]s Dunrobin

Date Completed 30 (day) 6 (month) 50 (year) Cost of Well (excluding pump)

Pipe and Casing Record

Casing diameter(s) 4

Length(s) of casing(s) 33'

Type of screen

Length of screen

Distance from top of screen to ground level

Is well a gravel-wall type?

Pumping Test

Date

Static level 6'

Pumping level

Pumping rate

Duration of test

Distance from cylinder or bowls to ground level

Water Record

Kind (fresh or mineral) Fresh

Quality (hard, soft, contains iron, sulphur, etc.) Soft

Appearance (clear, cloudy, coloured) Sandy

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

How far is well from possible source of contamination? 40'

What is the source of contamination? Outhouse

Enclose a copy of any mineral analysis that has been made of water

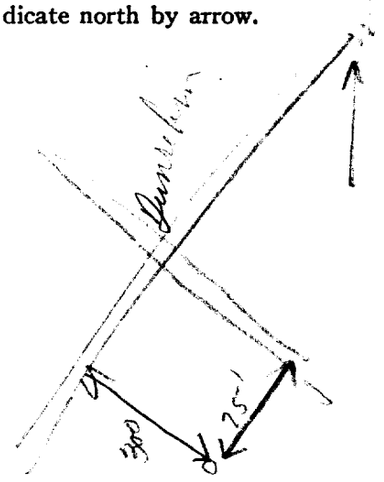
Depth(s) to Water Horizon(s)	Kind of Water	No. of Feet Water Rises
31	good	25
	Good	

Well Log

Overburden and Bedrock Record	From	To
Surface	0 ft.	1 ft.
Gravel	1	31
Fine sand	31	

Location of Well

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



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

Drilling Firm Geo. Stuart Ltd

Address Stittsville

Name of Driller Address

Date Licence Number

Signature of Licensee

FORM 5

31F8h

UTM 18 420395 E
5025980 N
Elevo 402.10

The Ontario Water Resources Commission Act

WATER WELL RECORD

WATER RESOURCES DIVISION
MAY 17 1965
ONTARIO WATER RESOURCES COMMISSION

15 No. 3392

Basin 25 County or District Carleton Township, Village, Town or City March

Con. III Lot 27 Date completed 23 (day) March (month) 1965 (year)

[redacted] ress Dunrobin Ont.

Casing and Screen Record

Inside diameter of casing 5"
Total length of casing 92'
Type of screen none
Length of screen —
Depth to top of screen —
Diameter of finished hole 4 3/4"

Pumping Test

Static level 20'
Test-pumping rate 2 G.P.M.
Pumping level 70'
Duration of test pumping 5 hrs
Water clear or cloudy at end of test clear
Recommended pumping rate 2 G.P.M.
with pump setting of 70 feet below ground surface

Well Log

Overburden and Bedrock Record	From ft.	To ft.	Water Record: Depth(s) at which water(s) found	Water Record: Kind of water (fresh, salty, sulphur)
sand & clay	0	52		
fine sand	52	92		
Granite	92	130		
		130	120-130	fresh

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

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

Drilling or Boring Firm
McLean Water Supply Ltd

Address 1532 Raven Ave
Ottawa 3

Licence Number 1686

Name of Driller or Borer H. Sally

Address

Date April 9 65

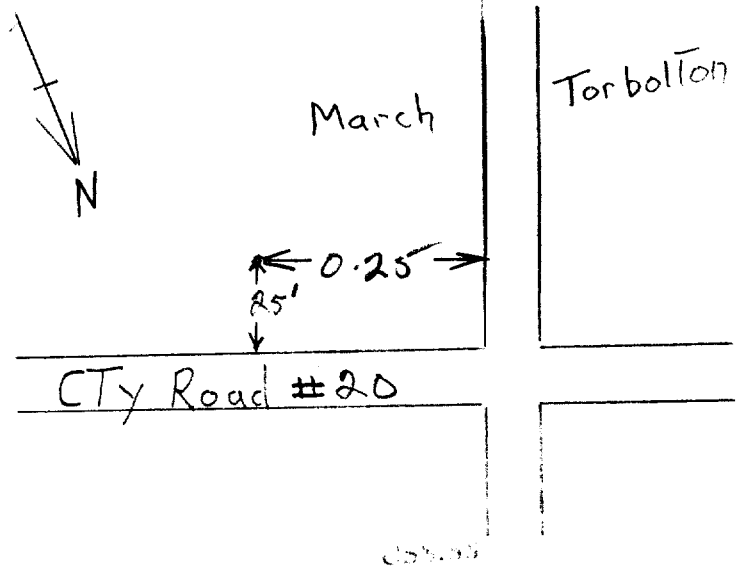
C W McLean
(Signature of Licensed Drilling or Boring Contractor)

Form 7 15M-60-4138

OWRC COPY

Location of Well

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



UTM 18 Z 419380 E
9 R 5030180 N
Elev. 9 R 0220
Basin 25

ONTARIO

RECEIVED
MAR 22 1954
GEOLOGICAL BRANCH
DEPARTMENT OF MINES

15 No 9426

The Well Drillers Act

Department of Mines, Province of Ontario

Water Well Record

County or Territorial District ~~Fitzr~~ Carleton Township, ~~Village, Town or City~~ ~~F.T.~~ Torbolton

Con. III Lot 1 Street and Number (if in Village, Town or City)

Owner [redacted] Address Dunrobin

Date Completed 20 (day) July (month) 53 (year) Cost of Well (excluding pump)

Pipe and Casing Record

Casing diameter(s) 10"
Length(s) of casing(s) Two 12" Boiler shell
Type of screen Jagged 12" long
Length of screen —
Distance from top of screen to ground level —
Is well a gravel-wall type? —

Pumping Test

Date July 20
Static level 16 ft.
Pumping level 26 ft.
Pumping rate 150 per hr.
Duration of test 30 minutes
Distance from cylinder or bowls to ground level

Water Record

Kind (fresh or mineral) fresh
Quality (hard, soft, contains iron, sulphur, etc.) soft
Appearance (clear, cloudy, coloured) cloudy
For what purpose(s) is the water to be used? household

How far is well from possible source of contamination? 300 ft.
What is the source of contamination? barnyard
Enclose a copy of any mineral analysis that has been made of water

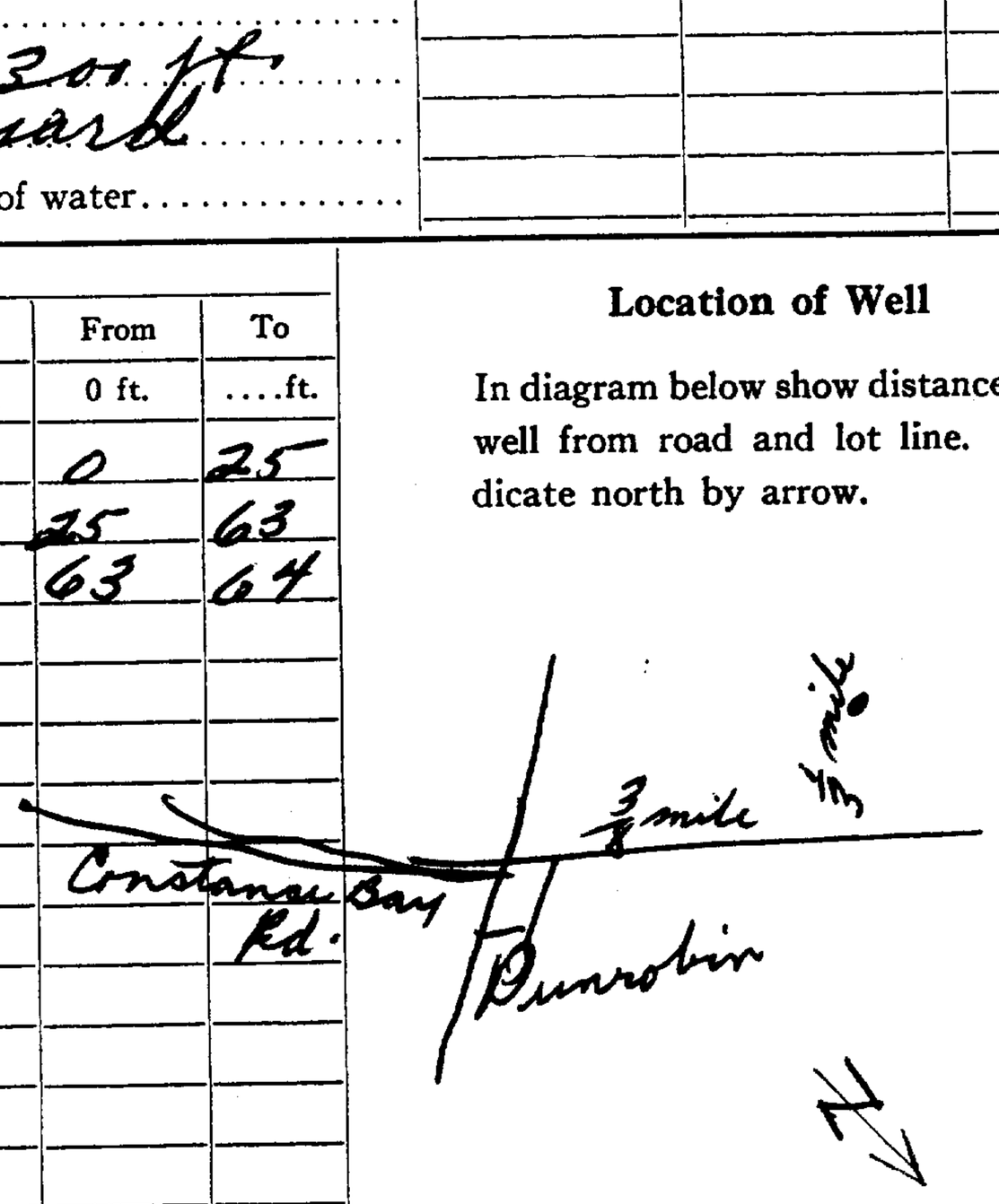
Depth(s) to Water Horizon(s)	Kind of Water	No. of Feet Water Rises
64 ft.	soft	48

Well Log

Overburden and Bedrock Record	From	To
	0 ft.	....ft.
brown hard clay	0	25
blue clay	25	63
gravel	63	64

Location of Well

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



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

Drilling Firm K Sparks
Address South March
Name of Driller K Sparks Address
Date March 13/54 Licence Number 490
K Sparks
Signature of Licensee

FORM 5

CS...58

31F/8E

The Ontario Water Resources Commission Act

WATER WELL RECORD

Water management in Ontario

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

11 | 1510342 | MUNICIP. 1510 | CON. CON | 03

COUNTY OR DISTRICT: Carleton
TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: Torbolton
CON., BLOCK, TRACT, SURVEY, ETC.: III
LOT: ~~18~~ * 001
DATE COMPLETED: DAY 13 MO. ~~Nov.~~ 11 YR. 69

[redacted] Dunrobin, Ont.

RC. 4 | ELEVATION 0205 | RC. 5 | BASIN CODE 25

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH – FEET FROM	DEPTH – FEET TO
grey	clay			0	41
brown	boulders			41	43
grey	sand	a little gravel		43	77
grey	limestone			77	140

31 | 0041205t | 0043613 | 0077209111 | 0140215

32

41 WATER RECORD

WATER FOUND AT – FEET	KIND OF WATER
0110 ~~0136~~	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH – FEET FROM	DEPTH – FEET TO
06	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	3/16	0	~~78~~ 0078
06	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE		78	0140 ~~140~~
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

SCREEN

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

61 PLUGGING & SEALING RECORD

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

71 PUMPING TEST

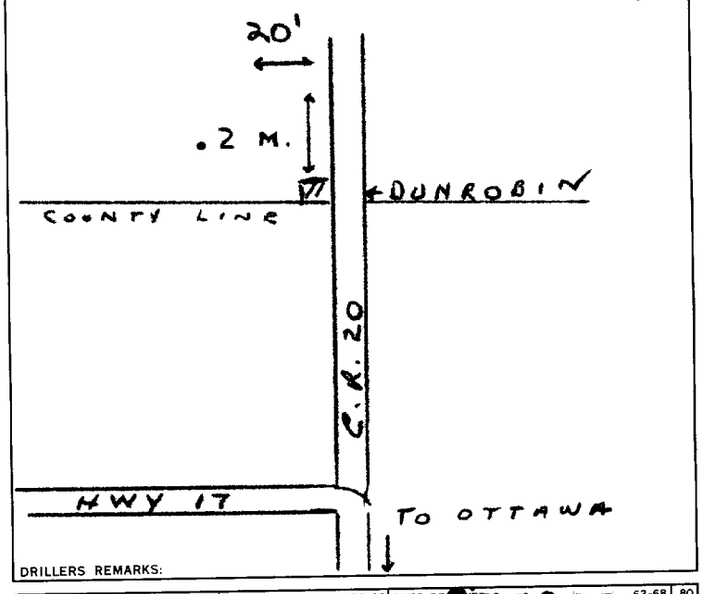
PUMPING TEST METHOD: ☒ 1 PUMP ☐ 2 BAILER
PUMPING RATE: 0005 GPM.
DURATION OF PUMPING: 01 HOURS 00 MINS.

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING ☒ 1 PUMPING ☐ 2 RECOVERY			
		15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
030 FEET	140 FEET	080 FEET	110 FEET	140 FEET	140 FEET

IF FLOWING, GIVE RATE: GPM.
PUMP INTAKE SET AT: FEET
WATER AT END OF TEST: ☒ 1 CLEAR ☐ 2 CLOUDY
RECOMMENDED PUMP TYPE: ☐ SHALLOW ☒ DEEP
RECOMMENDED PUMP SETTING: 130 FEET
RECOMMENDED PUMPING RATE: 4 GPM.
50-53 000.0 GPM./FT. SPECIFIC CAPACITY

LOCATION OF WELL

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



DRILLERS REMARKS:

FINAL STATUS OF WELL

54

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

WATER USE

55-56 — 01

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

METHOD OF DRILLING

57

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

CONTRACTOR

NAME OF WELL CONTRACTOR: J.B. DUFRESNE & CO. LIMITED — LICENCE NUMBER: 3227
ADDRESS: 1014 Maitland Ave. - Ottawa 5, Ont.
NAME OF DRILLER OR BORER: R. Laniel — LICENCE NUMBER:
SIGNATURE OF CONTRACTOR: R. Laniel
SUBMISSION DATE: DAY 13 MO. Nov. YR. 69

OFFICE USE ONLY

DATA SOURCE: 1 — 58
CONTRACTOR: 1802 — 59-62
DATE RECEIVED: 11269 — 63-68
DATE OF INSPECTION:
INSPECTOR: S
REMARKS:

OWRC COPY

The Ontario Water Resources Commission Act

WATER WELL RECORD

3 1 F 8 K

Water management in Ontario

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

1511737

11 | MUNICIP. 15006 | CON. GDN | 93

COUNTY OR DISTRICT: Carl | TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: March | CON., BLOCK, TRACT, SURVEY, ETC.: #3 | LOT: 25 ~~26~~

OWNER (SURNAME FIRST): [redacted] | ADDRESS: [redacted] Metcalfe Ont

DATE COMPLETED: DAY 07 MO. 03 YR. 72

UTM: 292810 | RC | ELEVATION: 6210 | RC: 5 | BASIN CODE: 25

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH – FEET FROM	DEPTH – FEET TO
grey	clay		firm	0	35
"	sand	boulders	packed	35	47
"	sandstone			47	92

31 | 0036 2 05 | 0047 2 28 13 | 0092 2 18

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 FROM	DEPTH – FEET TO
~~6~~ 6	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	188	0	~~48~~ 0048
~~5~~ 5	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ ~~OPEN HOLE~~	188	~~44~~ 67	~~67~~ 906
05	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE		67	~~906~~ 0092

SCREEN

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

61 PLUGGING & SEALING RECORD

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

71 PUMPING TEST

PUMPING TEST METHOD: 1 ☐ PUMP 2 ☒ BAILER | PUMPING RATE: 0006 GPM. | DURATION OF PUMPING: 01 HOURS 00 MINS.

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 1 ☒ PUMPING 2 ☐ RECOVERY	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
040 FEET	065 FEET		065 FEET	065 FEET	065 FEET	065 FEET

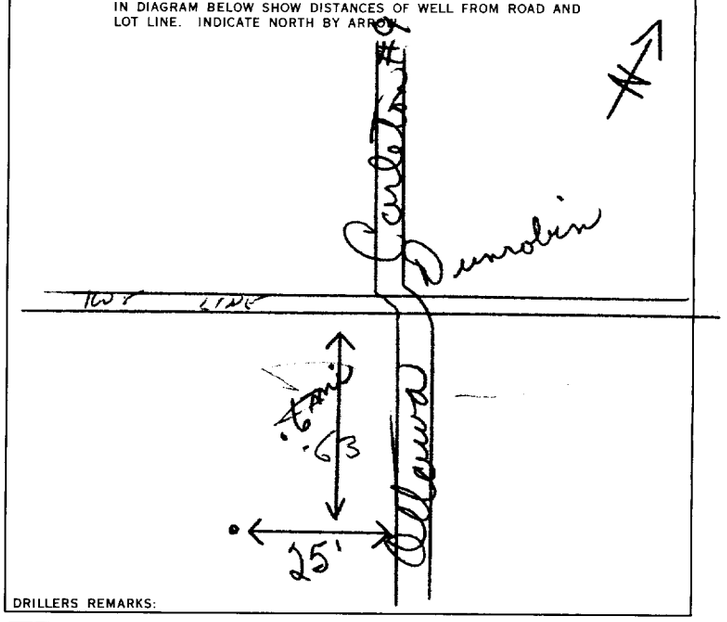
IF FLOWING, GIVE RATE: GPM. | PUMP INTAKE SET AT: FEET | WATER AT END OF TEST: 1 ☒ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE: ☐ SHALLOW ☒ DEEP | RECOMMENDED PUMP SETTING: 075 FEET | RECOMMENDED PUMPING RATE: 0005 GPM.

50-53: 000.2 GPM./FT. SPECIFIC CAPACITY

LOCATION OF WELL

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



DRILLERS REMARKS:

FINAL STATUS OF WELL

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

WATER USE 01

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

METHOD OF DRILLING

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

CONTRACTOR

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

ADDRESS: BOX 490 Stittsville Ont

NAME OF DRILLER OR BORER: M. Kavanagh | LICENCE NUMBER:

SIGNATURE OF CONTRACTOR: Walter Kavanagh | SUBMISSION DATE: DAY MO. YR.

WRC COPY

OFFICE USE ONLY

DATA SOURCE 58: 1 | CONTRACTOR 59-62: 1558 | DATE RECEIVED 63-68: 020572 | 80

DATE OF INSPECTION | INSPECTOR

REMARKS:

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MINISTRY OF THE ENVIRONMENT
The Ontario Water Resources Act

WATER WELL RECORD

31F/8

Ontario

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11 | 1514776 | MUNICIP. 15006 | CON. CON | 03

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC.	LOT
West Carleton	~~Huntley~~ March	E ~~W~~ ~~S~~ 3	027 P. of 27

OWNER (SURNAME FIRST) 28-42: Meadowdale Homes Ltd
ADDRESS: 330 Churchill N. Ottawa
DATE COMPLETED 48-53: DAY 02 MO 05 YR 75

21 | ZONE 18 | EASTING 420400 | NORTHING 5029650 | PC 5 | ELEVATION 0205 | SC 5 | RAISING CODE 26

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
Blue Clay	Clay	Sand	Packed	0	79
Gray	Limestone	S	Hard	79	205

31 | 0079305287 79 | 0205 2 1 5 73

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0092	1 ☒ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
0193	1 ☒ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6 4	1 ☒ STEEL	.188	0	0082
06	4 ☒ OPEN HOLE		80	205
06	4 ☒ OPEN HOLE			0205
	1 ☐ STEEL			

SCREEN

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

61 PLUGGING & SEALING RECORD

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

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☒ PUMP 2 ☐ BAILER	0006 GPM.	02 HOURS 00 MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
018 FEET	125 FEET	1 ☒ PUMPING 2 ☐ RECOVERY	125 FEET	125 FEET	125 FEET	125 FEET

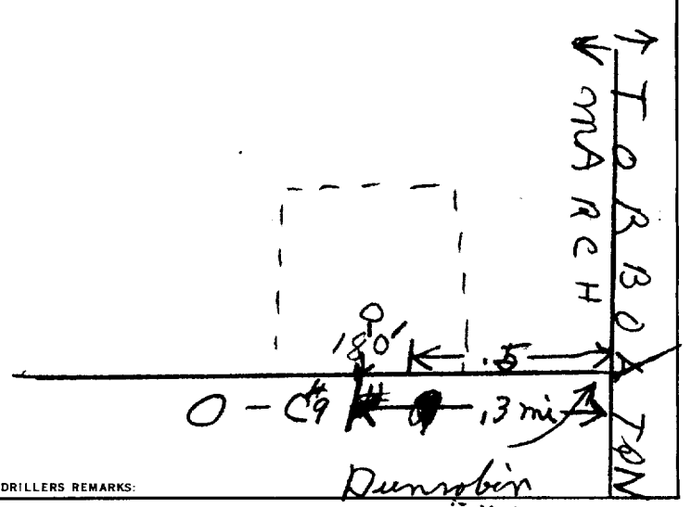
IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
GPM	FEET	1 ☒ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☐ SHALLOW ☒ DEEP	125 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.



DRILLERS REMARKS: Dunrobin

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

WATER USE 55-56 = 01: 1 ☒ DOMESTIC; 2 ☐ STOCK; 3 ☐ IRRIGATION; 4 ☐ INDUSTRIAL; ☐ OTHER; 5 ☐ COMMERCIAL; 6 ☐ MUNICIPAL; 7 ☐ PUBLIC SUPPLY; 8 ☐ COOLING OR AIR CONDITIONING; 9 ☐ NOT USED

METHOD OF DRILLING 57 = 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: Maple Leaf Drilling — LICENCE NUMBER: 3658
ADDRESS: 2107- 465 Richmond Rd. Ottawa
NAME OF DRILLER OR BORER: R. Fraser — LICENCE NUMBER:
SIGNATURE OF CONTRACTOR: Robert Bisson — SUBMISSION DATE: DAY ____ MO. ____ YR. ____

OFFICE USE ONLY

DATA SOURCE 58: 1 — CONTRACTOR 59-62: 3658 — DATE RECEIVED 63-68: 23075 — 80
DATE OF INSPECTION: 10/6/77 — INSPECTOR: D. Holby K.M.
REMARKS:
P
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MINISTRY OF THE ENVIRONMENT COPY

FORM 7 MOE 07-091

MINISTRY OF THE ENVIRONMENT

The Ontario Water Resources Act

WATER WELL RECORD

31 F8h
~~31 F/SE~~

Ontario

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

11 | 1515289 | MUNICIP. 15010 | CON. CON 03

COUNTY OR DISTRICT: West Carleton

TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: Torbolton

CON., BLOCK, TRACT, SURVEY, ETC.: 3

LOT: Pt of 001

OWNER (SURNAME FIRST): [redacted]

ADDRESS: R.R.2 Dunrobin Ont.

DATE COMPLETED: DAY 29 MO 01 YR 76

ZONE | EASTING | NORTHING | RC. | ELEVATION | RC. | BASIN CODE

1515289 18 420036 5030165 4 216 4 26 JUL 08, 1977 299

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
Blue	clay			0	81
Gray	limestone		med. hard	81	150

31 0081305 01502157 3

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0087	1 ☑ FRESH 3 ☐ SULPHUR; 2 ☐ SALTY 4 ☐ MINERAL
0146	1 ☑ FRESH 3 ☐ SULPHUR; 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR; 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR; 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR; 2 ☐ SALTY 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6	1 ☑ STEEL; 2 ☐ GALVANIZED; 3 ☐ CONCRETE; 4 [redacted]	.188	0	83
6	1 ☐ STEEL; 2 ☐ GALVANIZED; 3 ☐ CONCRETE; 4 [redacted]		83	0083
06	1 ☐ STEEL; 2 ☐ GALVANIZED; 3 ☐ CONCRETE; 4 ☒ OPEN HOLE			0150
	1 ☐ STEEL; 2 ☐ GALVANIZED; 3 ☐ CONCRETE; 4 ☐ OPEN HOLE			

SCREEN

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

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
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: 0015 GPM — DURATION OF PUMPING: 02 HOURS 00 MINS

WATER LEVELS DURING: 1 ☑ PUMPING 2 ☐ RECOVERY

STATIC LEVEL	WATER LEVEL END OF PUMPING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
022 FEET	130 FEET	130 FEET	130 FEET	130 FEET	130 FEET

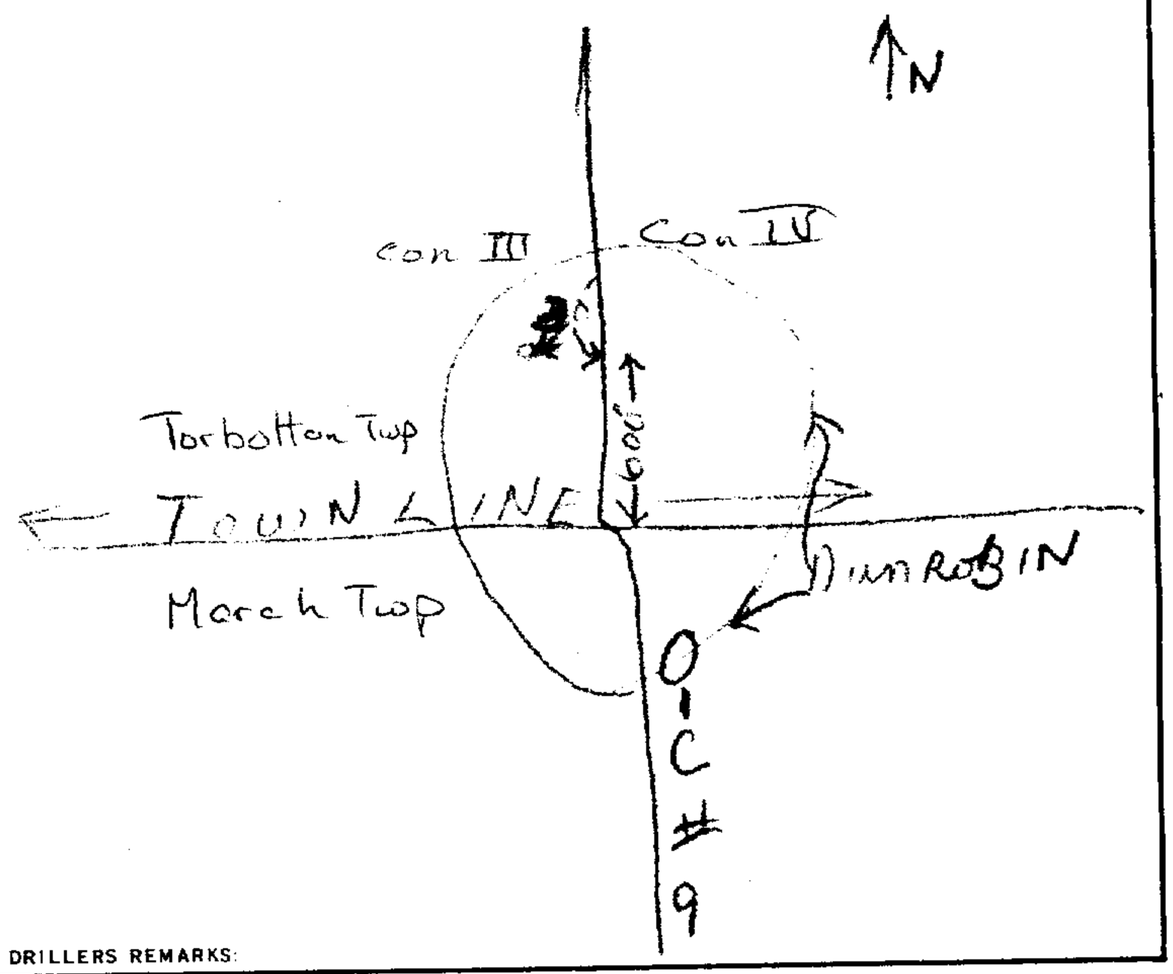
IF FLOWING, GIVE RATE: GPM — PUMP INTAKE SET AT: FEET — WATER AT END OF TEST: 1 ☑ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE: ☐ SHALLOW ☑ DEEP — RECOMMENDED PUMP SETTING: 130 FEET — RECOMMENDED PUMPING RATE: 0005 GPM

GPM./FT. SPECIFIC CAPACITY

LOCATION OF WELL 2030

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



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: Maple Leaf Drilling — LICENCE NUMBER: 3658

ADDRESS: 877 Ridley Blvd. Ottawa

NAME OF DRILLER OR BORER: R. Fraser — LICENCE NUMBER:

SIGNATURE OF CONTRACTOR: [signature] — SUBMISSION DATE: DAY 5 MO. 4 YR. 76

OFFICE USE ONLY

DATA SOURCE: 1 — CONTRACTOR: 3658 — DATE RECEIVED: 790476

DATE OF INSPECTION: July 8, 1976 — INSPECTOR: D.E. Entrey

REMARKS: 1

P DEP

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FORM 7 MOE 07-091

MINISTRY OF THE ENVIRONMENT
The Ontario Water Resources Act

WATER WELL RECORD

31P8E

Ontario

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

11 | 1516202 | MUNICIP. 15006 | CON. CON 03

COUNTY OR DISTRICT: Carleton | TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: March | CON., BLOCK, TRACT, SURVEY, ETC.: Con 3, | LOT 027

[redacted] Dunrobin Ont. | DATE COMPLETED: DAY 26 MO 08 YR 77

UTM ZONE | EASTING 529900 | RC 5 | ELEVATION 0240 | RC 5 | BASIN CODE 26

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
grey	sand	stones		0	45
grey	sand			45	91
grey	limestone			91	125
white	sandstone			125	145

31 | 0045 2812 | 0091 2815 | 0125 2815 | 0145 1118

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0142	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
06	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	188	0	0091
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

SCREEN

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

MATERIAL AND TYPE | DEPTH TO TOP OF SCREEN FEET

61 PLUGGING & SEALING RECORD

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

71 PUMPING TEST

PUMPING TEST METHOD: 1 ☒ PUMP 2 ☐ BAILER | PUMPING RATE: 0006 GPM | DURATION OF PUMPING: 01 HOURS 00 MINS

WATER LEVELS DURING: 1 ☒ PUMPING 2 ☐ RECOVERY

STATIC LEVEL	WATER LEVEL END OF PUMPING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
020 FEET	070 FEET	070 FEET	070 FEET	070 FEET	070 FEET

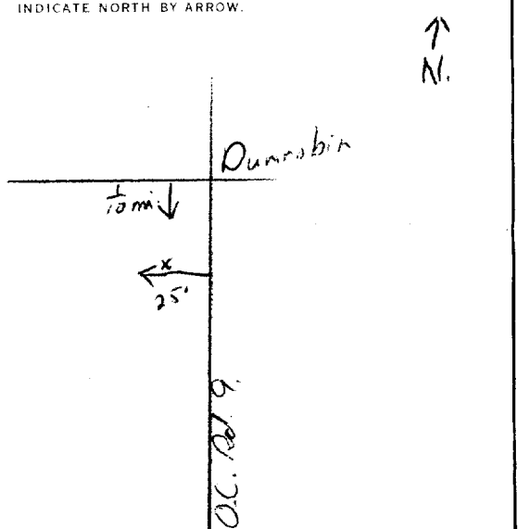
IF FLOWING, GIVE RATE: GPM | PUMP INTAKE SET AT: FEET | WATER AT END OF TEST: 1 ☐ CLEAR 2 ☒ CLOUDY

RECOMMENDED PUMP TYPE: ☐ SHALLOW ☒ DEEP | RECOMMENDED PUMP SETTING: 070 FEET | RECOMMENDED PUMPING RATE: 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.



DRILLERS REMARKS

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

WATER USE 55-56: 01 — 1 ☑ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED

METHOD OF DRILLING 57: 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: Henry Mains Well Drilling | LICENCE NUMBER: 3644

ADDRESS: Box 326, Richmond Ont.

NAME OF DRILLER OR BORER: Henry Mains | LICENCE NUMBER:

SIGNATURE OF CONTRACTOR: | SUBMISSION DATE: DAY 30 MO 8 YR 77

OFFICE USE ONLY

DATA SOURCE 58: 1 | CONTRACTOR 59-62: 3644 | DATE RECEIVED 63-68: 290977 | 80

DATE OF INSPECTION: June 28/78 | INSPECTOR: DK @ 4 Km.

REMARKS: | P | WI

CSS.58

FORM 7 MOE 07-091

MINISTRY OF THE ENVIRONMENT COPY

MINISTRY OF THE ENVIRONMENT

The Ontario Water Resources Act

WATER WELL RECORD

Ontario

31F 8h

NEW OWNER — W.A NUNN

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

11 1516586 · MUNICIP 15010 CON. CON 04

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC.	LOT
CARLETON	TARBOLTON	BARLOW CR.	027

[redacted] DUNROBIN ONT

DATE COMPLETED DAY 15 MO 05 YR 78

UTM ZONE 30 0099 RC 4 ELEVATION 0210 RC 4 BASIN CODE 26

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
GRAY	LIMESTONE			0	180

31 01180215 0210 00

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
095	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
06"	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	188	0	0210
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

SCREEN

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

MATERIAL AND TYPE | DEPTH TO TOP OF SCREEN FEET

61 PLUGGING & SEALING RECORD

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

71 PUMPING TEST

PUMPING TEST METHOD: 1 ☐ PUMP 2 ☒ BAILER

PUMPING RATE: GPM

DURATION OF PUMPING: HOURS MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 1 ☐ PUMPING 2 ☐ RECOVERY	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
038 FEET	082 FEET	DON'T	HAVE	INFORMATION		

IF FLOWING, GIVE RATE: GPM

PUMP INTAKE SET AT: FEET

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

RECOMMENDED PUMP TYPE: ☐ SHALLOW ☒ DEEP

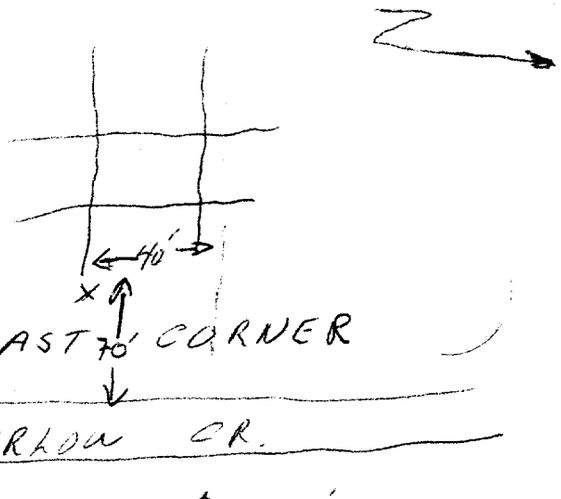
RECOMMENDED PUMP SETTING: FEET

RECOMMENDED PUMPING RATE: GPM

GPM./FT. SPECIFIC CAPACITY

LOCATION OF WELL

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



DRILLERS REMARKS: WELL ± 90' FROM RD.

FINAL STATUS OF WELL 2

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

WATER USE 02

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

METHOD OF DRILLING 2

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

CONTRACTOR

NAME OF WELL CONTRACTOR: FRANK FLUERY — LICENCE NUMBER: 2101

ADDRESS: X 177 Merivale Rd.

NAME OF DRILLER OR BORER: X F. Fleury — LICENCE NUMBER:

SIGNATURE OF CONTRACTOR: F Fleury — SUBMISSION DATE: DAY MO. YR.

OFFICE USE ONLY

DATA SOURCE 1 — CONTRACTOR 2101 — DATE RECEIVED 170778

DATE OF INSPECTION 13/05/79 — INSPECTOR

REMARKS

P

WI

MINISTRY OF THE ENVIRONMENT COPY

FORM 7 MOE 07-091

31F84

Ministry of the Environment

Ontario

The Ontario Water Resources Act

WATER WELL RECORD

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

11 1516700 MUNICIP. 15010 CON. CON 03

COUNTY OR DISTRICT [redacted] | TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE West Carleton Torbolton 3 Dunrobin Ont. | CON., BLOCK, TRACT, SURVEY, ETC. | LOT 002 | DATE COMPLETED DAY 18 MO 08 YR 78

30660 RC 4 ELEVATION 0215 RC 4 BASIN CODE 26

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	TO
brown	clay		packed	0	25
grey	clay		soft	25	70
grey	sand	clay + stones	loose	70	76
grey	sand	boulders	packed	76	102
red	shale		soft	102	115
brown	sandstone	streaks of red	sandstone	115	140

31 00256057 9 | 00702058 5 | 00762180 5 12 | 01022281 3 7 9 | 01157176 5 | 01406187 4

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0138	2 ☒ SALTY
	1 ☐ FRESH 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	TO
6¼	1 ☒ STEEL	.188	0	0103
06	4 ☐ OPEN HOLE			
06	4 ☒ OPEN HOLE		103	0124
5¼	4 ☒ OPEN HOLE		124	0140

SCREEN

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

61 PLUGGING & SEALING RECORD

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

71 PUMPING TEST

PUMPING TEST METHOD: 1 ☐ PUMP 2 ☒ BAILER | PUMPING RATE: 0030 GPM | DURATION OF PUMPING: 01 HOURS 00 MINS

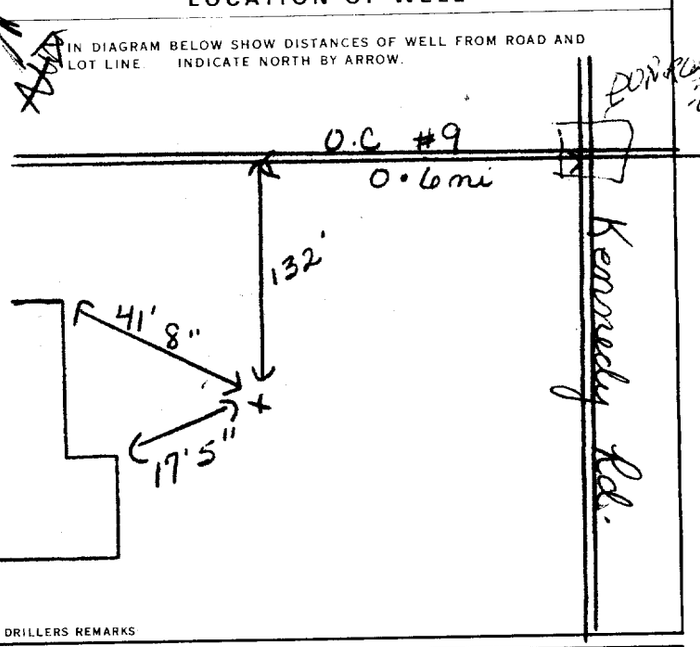
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 1 ☒ PUMPING 2 ☐ RECOVERY			
		15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
090 FEET	040 FEET	040 FEET	040 FEET	040 FEET	040 FEET

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

RECOMMENDED PUMP TYPE: ☐ SHALLOW ☒ DEEP | RECOMMENDED PUMP SETTING: 050 FEET | RECOMMENDED PUMPING RATE: 0005 GPM

LOCATION OF WELL

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



DRILLERS REMARKS

FINAL STATUS OF WELL

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

WATER USE

01

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

METHOD OF DRILLING

1

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

CONTRACTOR

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

ADDRESS: Box 490, Stittsville

NAME OF DRILLER OR BORER: Jim Moore | LICENCE NUMBER:

SIGNATURE OF CONTRACTOR: W. Kavanagh | SUBMISSION DATE: DAY 22 MO 8 YR 78

OFFICE USE ONLY

DATA SOURCE 1 | CONTRACTOR 1558 | DATE RECEIVED 301078

DATE OF INSPECTION 11/05/79 | INSPECTOR K.L.

REMARKS:

FORM NO. 0506—4—77

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Ontario

The Ontario Water Resources Act

WATER WELL RECORD

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

11 1516971 MUNICIP. CON.

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC.	LOT
Carleton	West Carleton	Concession # 4	1 & 2

[redacted] dlawn, Ontario

DATE COMPLETED DAY 03 MO. 05 YR. 79

PC ELEVATION RC BASIN CODE

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
Black	Earth	Fill	Loose	0	4
Grey	Clay	Stone	Packed	4	11
Grey	Limestone			11	70
Grey-Green	Limestone			70	120

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
115	1 ☒ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6¼	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	188	0	22
6	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE		22	120
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

SCREEN

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

61 PLUGGING & SEALING RECORD

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

71 PUMPING TEST

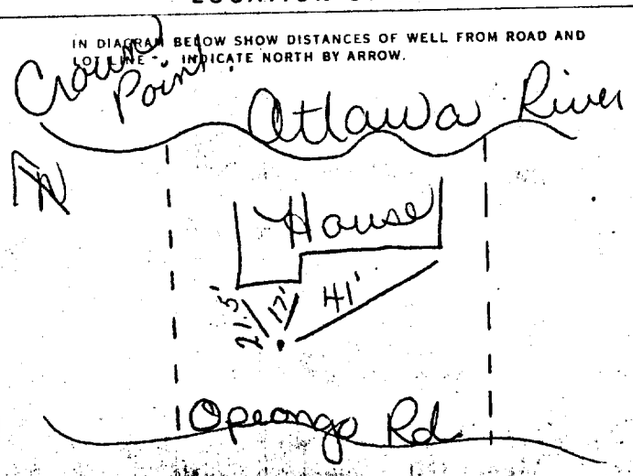
PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☐ PUMP 2 ☒ BAILER	10 GPM	1 HOURS ___ MINS

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

IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST	RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
GPM	FEET	1 ☐ CLEAR 2 ☒ CLOUDY	☐ SHALLOW ☒ DEEP	80 FEET	5 GPM

LOCATION OF WELL

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



DRILLERS REMARKS

FINAL STATUS OF WELL

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

WATER USE

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

METHOD OF DRILLING

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

CONTRACTOR

NAME OF WELL CONTRACTOR	LICENCE NUMBER
Capitol Water Supply Ltd.	1558
ADDRESS	
Box 490, Stittsville, Ontario KOA 3GO	
NAME OF DRILLER OR BORER	LICENCE NUMBER
M. Kavanagh	
SIGNATURE OF CONTRACTOR	SUBMISSION DATE DAY 05 MO 05 YR. 79
M Kavanagh	

OFFICE USE ONLY

DATA SOURCE	CONTRACTOR	DATE RECEIVED
		100579
DATE OF INSPECTION	INSPECTOR	
REMARKS		

CSS185

FORM NO. 0506—4

MINISTRY OF THE ENVIRONMENT COPY

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Ontario

The Ontario Water Resources Act

WATER WELL RECORD

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

11 — 1516971 — MUNICIP 1501 — CON. CON Y — 04

COUNTY OR DISTRICT: [redacted]

TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: West Carleton

CON., BLOCK, TRACT, SURVEY, ETC.: Concession # 4

LOT: 1 & 2

[redacted] odlawn, Ontario

DATE COMPLETED: DAY 03 MO 05 YR 79

RC. ELEVATION RC. BASIN CODE

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
Black	Earth	Fill	Loose	0	4
Grey	Clay	Stone	Packed	4	11
Grey	Limestone			11	70
Grey-Green	Limestone			70	120

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
115	1 ☒ FRESH 3 ☐ SULPHUR / 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR / 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR / 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR / 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR / 2 ☐ SALTY 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6¼	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	188	0	22
6	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE		22	120
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

SCREEN

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

MATERIAL AND TYPE — DEPTH TO TOP OF SCREEN

61 PLUGGING & SEALING RECORD

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

71 PUMPING TEST

PUMPING TEST METHOD: 1 ☐ PUMP 2 ☒ BAILER

PUMPING RATE: 10 GPM — DURATION OF PUMPING: 1 HOURS — MINS

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

IF FLOWING, GIVE RATE: GPM

PUMP INTAKE SET AT: FEET

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

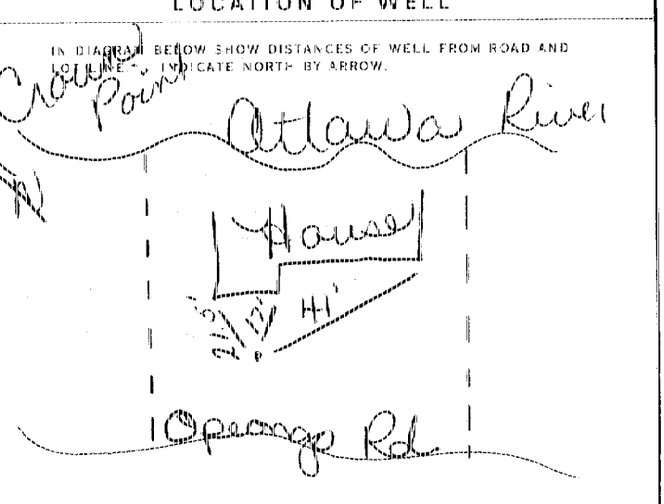
RECOMMENDED PUMP TYPE: ☐ SHALLOW ☒ DEEP

RECOMMENDED PUMP SETTING: 80 FEET

RECOMMENDED PUMPING RATE: 5 GPM

LOCATION OF WELL

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



52 FINAL STATUS OF WELL

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

55-56 WATER USE

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

57 METHOD OF DRILLING

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

CONTRACTOR

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

ADDRESS: Box 490, Stittsville, Ontario K0A 3G0

NAME OF DRILLER OR BORER: M. Kavanagh — LICENCE NUMBER

SIGNATURE OF CONTRACTOR: M. Kavanagh

SUBMISSION DATE: DAY 05 MO 05 YR 79

OFFICE USE ONLY

DATA SOURCE — CONTRACTOR: 1558 — DATE RECEIVED: 100579

DATE OF INSPECTION — INSPECTOR

REMARKS: CSS.SS

FORM NO. 0506—4—77

MINISTRY OF THE ENVIRONMENT COPY

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

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

11 — 1519052

MUNICIP. — LOT — CON.

COUNTY OR DISTRICT: Carleton
TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: West Carleton
CON. BLOCK, TRACT, SURVEY ETC.: Dunlop Heights
LOT: 1
OWNER (SURNAME FIRST): [redacted]
ADDRESS: 631 Dunbarton Drive West Carleton
DATE COMPLETED: DAY 5 MO July YR 84
RC. — ELEVATION — RC — BASIN CODE

OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
Brn	Clay			0	11
Blck & Grey	Limestone			0	22

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
175	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
200	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6 1/4	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	188	0	22
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

SCREEN

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

61 PLUGGING & SEALING RECORD

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

71 PUMPING TEST

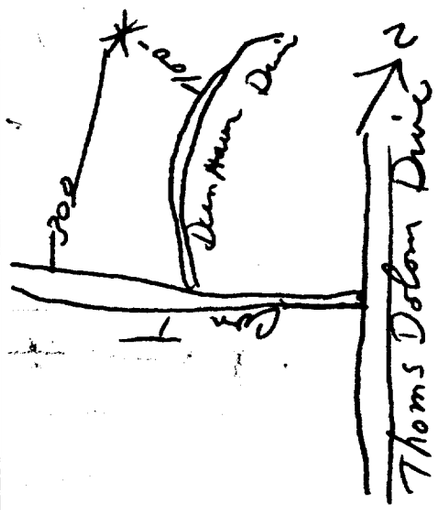
PUMPING TEST METHOD: 1 ☐ PUMP 2 ☐ BAILER
PUMPING RATE — GPM
DURATION OF PUMPING — HOURS — MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 1 ☐ PUMPING 2 ☐ RECOVERY			
		15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
30 FEET	225 FEET	150 FEET	200 FEET	225 FEET	225 FEET

IF FLOWING, GIVE RATE — GPM
PUMP INTAKE SET AT — FEET
WATER AT END OF TEST: 1 ☐ CLEAR 2 ☐ CLOUDY
RECOMMENDED PUMP TYPE: ☐ SHALLOW ☐ DEEP
RECOMMENDED PUMP SETTING: 210 FEET
RECOMMENDED PUMPING RATE: 2 GPM

LOCATION OF WELL

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



DRILLERS REMARKS:

FINAL STATUS OF WELL

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

WATER USE

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

METHOD OF DRILLING

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

CONTRACTOR

NAME OF WELL CONTRACTOR: Saunders Well Drilling — LICENCE NUMBER: 4767
ADDRESS: RR#2 Ampron
NAME OF DRILLER OR BORER: R Saunders — LICENCE NUMBER:
SIGNATURE OF CONTRACTOR: R Saunders — SUBMISSION DATE: DAY 5 MO. July 84

OFFICE USE ONLY

DATA SOURCE — CONTRACTOR — DATE RECEIVED: 13 07 84
DATE OF INSPECTION — INSPECTOR
REMARKS: CSS. BS

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506—4—77 FORM 7

31F8h.

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

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

(11) 1519052 MUNICIP 15010 CON. CON 04

COUNTY OR DISTRICT [redacted] | TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE Nepean Carleton TORBOLTON | CON. BLOCK, TRACT, SURVEY, ETC Dunrobin Heights | LOT 001

[redacted] 31 Dunbarton Drive West Carleton | DATE COMPLETED DAY 05 MO July YR 84

UTM ZONE 18 | EASTING 0302999 | RC 5 | ELEVATION 0210 | RC 5 | BASIN CODE 26

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
Brn	Clay			0	11
Blck & Grey	Limestone			0	22

MOE WF-18 8551

(31) 001 16 05 | 0022821 | 0200 00

(32)

(41) WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0175	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
0200	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL

(51) CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
06 & 04	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	188	0	0022
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

SCREEN

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

MATERIAL AND TYPE | DEPTH TO TOP OF SCREEN FEET

61 PLUGGING & SEALING RECORD

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

(71) PUMPING TEST

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

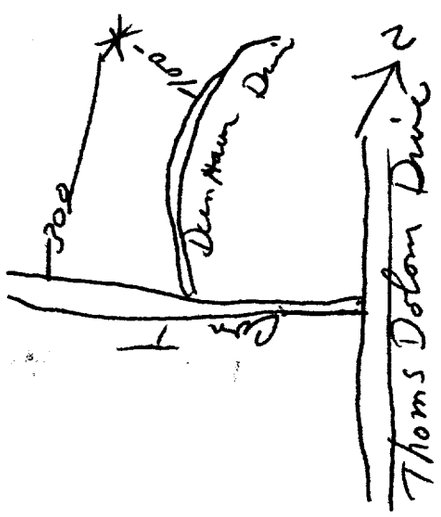
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 1 ☒ PUMPING 2 ☐ RECOVERY	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
030 FEET	225 FEET		150 FEET	200 FEET	223 FEET	225 FEET

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

RECOMMENDED PUMP TYPE: ☐ SHALLOW ☒ DEEP | RECOMMENDED PUMP SETTING: 210 FEET | RECOMMENDED PUMPING RATE: 0002 GPM

LOCATION OF WELL

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



DRILLERS REMARKS

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

WATER USE 01: 1 ☒ DOMESTIC; 2 ☐ STOCK; 3 ☐ IRRIGATION; 4 ☐ INDUSTRIAL; ☐ OTHER; 5 ☐ COMMERCIAL; 6 ☐ MUNICIPAL; 7 ☐ PUBLIC SUPPLY; 8 ☐ COOLING OR AIR CONDITIONING; 9 ☐ NOT USED

METHOD OF DRILLING 4: 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: Saunders Well Drilling | LICENCE NUMBER: 4767

ADDRESS: RR#2 Arnprior

NAME OF DRILLER OR BORER: R Saunders | LICENCE NUMBER: —

SIGNATURE OF CONTRACTOR: R Saunders | SUBMISSION DATE: DAY 5 MO July 84

MINISTRY OF THE ENVIRONMENT COPY

OFFICE USE ONLY

DATA SOURCE: 1 | CONTRACTOR: 4767 | DATE RECEIVED: 13 07 84

DATE OF INSPECTION | INSPECTOR

REMARKS: CSS.FS

FORM NO. 0506—4—77 FORM 7

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

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

11 — 1520938 — MUNICIP — CON.

COUNTY OR DISTRICT: OTTAWA CARLETON
TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: WEST CARLETON
CON. BLOCK, TRACT, SURVEY, ETC.: 4
LOT: 1
DATE COMPLETED: DAY 22 MO 8 YR 86

[redacted]

ING — RC — ELEVATION — RC — BASIN CODE

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
GREY	CLAY		HARD	0	15
GREY	SILT			15	18
GREY	SAND		MED.	18	30
GREY	SAND		COARSE	30	47

31
32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
44-47	1 ☑ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6¼	1 ☑ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	.188	0	44
5½	1 ☑ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	.188	34	44
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

SCREEN

SIZE(S) OF OPENING (SLOT #)	DIAMETER	LENGTH
#12	6 INCHES	3 FEET

MATERIAL AND TYPE: STAINLESS
DEPTH TO TOP OF SCREEN: FEET

61 PLUGGING & SEALING RECORD

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

71 PUMPING TEST

PUMPING TEST METHOD: AIR ☑ 1 PUMP ☐ 2 BAILER
PUMPING RATE: 80 GPM
DURATION OF PUMPING: 8 HOURS ___ MINS

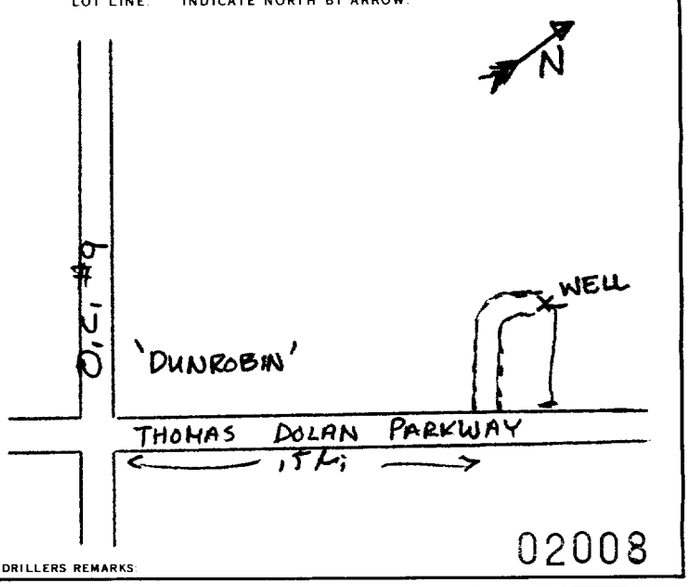
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
5 FEET	40 FEET		40 FEET	40 FEET	40 FEET	40 FEET

WATER LEVELS DURING: 1 ☑ PUMPING 2 ☐ RECOVERY

IF FLOWING, GIVE RATE: ___ GPM
PUMP INTAKE SET AT: 40 FEET
WATER AT END OF TEST: 1 ☑ CLEAR 2 ☐ CLOUDY
RECOMMENDED PUMP TYPE: ☐ SHALLOW ☑ DEEP
RECOMMENDED PUMP SETTING: 20 FEET
RECOMMENDED PUMPING RATE: 25 GPM

LOCATION OF WELL

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



DRILLERS REMARKS: 02008

FINAL STATUS OF WELL

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

WATER USE

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

METHOD OF DRILLING

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

CONTRACTOR

NAME OF WELL CONTRACTOR: VALLEY DRILLING CO LTD — LICENCE NUMBER: 5222
ADDRESS: Box 437, CARP, ONT
NAME OF DRILLER OR BORER: BILL BISSON / S. SKUSE (5222) — LICENCE NUMBER: 1373
SIGNATURE OF CONTRACTOR: [signature]
SUBMISSION DATE: DAY ___ MO. ___ YR. ___

OFFICE USE ONLY

DATA SOURCE | CONTRACTOR | DATE RECEIVED: 021086
DATE OF INSPECTION | INSPECTOR
REMARKS: CCCES

FORM NO. 0506—4—77 FORM 7

MINISTRY OF THE ENVIRONMENT COPY

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

1521051

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

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON.	BLOCK, TRACT, SURVEY, ETC.	LOT
OTTAWA CARLETON	WEST CARLETON	3		PT. 1

DATE COMPLETED: DAY 7 MO 10 YR 86

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
BLUE	CLAY		PACKED	0	27
GREY	SAND			27	38
GREY	SAND	Gravel		38	46

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
43	1 ☐ FRESH 3 ☐ SULPHUR; 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR; 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR; 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR; 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR; 2 ☐ SALTY 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6	1 ☐ STEEL; 2 ☐ GALVANIZED; 3 ☐ CONCRETE; 4 ☐ OPEN HOLE	.188	0	38
6½	1 ☐ STEEL; 2 ☐ GALVANIZED; 3 ☐ CONCRETE; 4 ☐ OPEN HOLE	.188	34	40
	1 ☐ STEEL; 2 ☐ GALVANIZED; 3 ☐ CONCRETE; 4 ☐ OPEN HOLE			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
#18	6 INCHES	3 FEET

MATERIAL AND TYPE: STAINLESS STEEL

DEPTH TO TOP OF SCREEN: 40 FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
0	18	Cement Grout.

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☒ PUMP 2 ☐ BAILER	100 GPM	2 HOURS ____ MINS

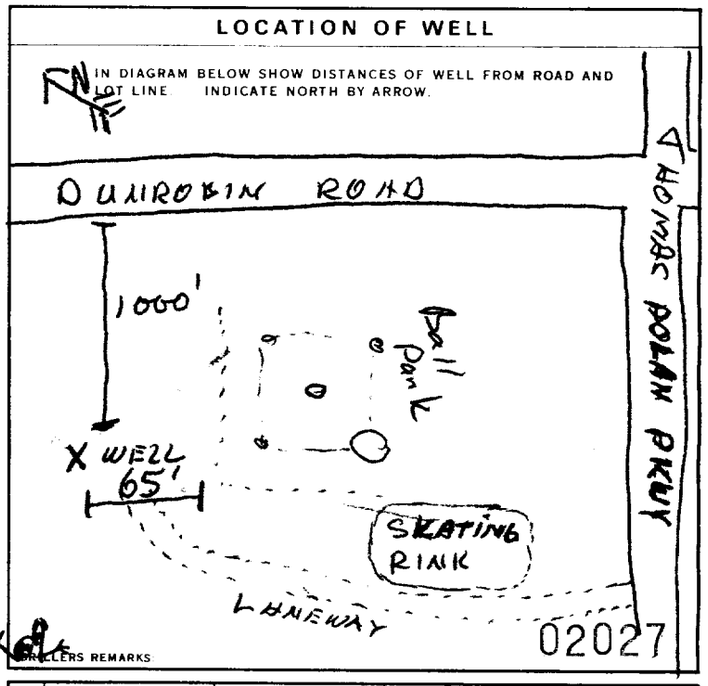
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 1 ☒ PUMPING 2 ☐ RECOVERY			
		15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
12 FEET	13 FEET	11 FEET	9 FEET	7 FEET	7 FEET

IF FLOWING: GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
GPM	25 FEET	1 ☐ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☐ SHALLOW ☐ DEEP	25 FEET	40 GPM

LOCATION OF WELL

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



02027

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

DRILLERS REMARKS

CONTRACTOR

NAME OF WELL CONTRACTOR	LICENCE NUMBER
VALLEY DRILLING	5222

ADDRESS: BOX 437 - CARP, ONT.

NAME OF DRILLER OR BORER	LICENCE NUMBER
S. SKUSE.	T-0310

SIGNATURE OF CONTRACTOR: S. Skuse

SUBMISSION DATE: DAY ____ MO ____ YR ____

OFFICE USE ONLY

DATA SOURCE	CONTRACTOR	DATE RECEIVED
		071186

DATE OF INSPECTION | INSPECTOR

REMARKS

CSSLES

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506—4—77 FORM 7

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

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

11 1523213 MUNICIP 1501 0 CON. CON 03

COUNTY OR DISTRICT: OTTAWA CARLETON
TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: WEST CARLETON
CON. BLOCK, TRACT, SURVEY, ETC.: #3
LOT: 1
[redacted] R#3 DUNROBIN
DATE COMPLETED: DAY 2 MO 7 YR 88
BEARING | RC | ELEVATION | RC | BASIN CODE

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
BROWN	SAND		PACKED	0	31

31
32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
28	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6 1/2	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	0	22.5
5 1/2	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	14	25
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
#12	6 INCHES	3 FEET

MATERIAL AND TYPE: STAINLESS - STEEL TELESCOPING
DEPTH TO TOP OF SCREEN: 25 FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER, ETC.)
0	18	Cement Grout

71 PUMPING TEST

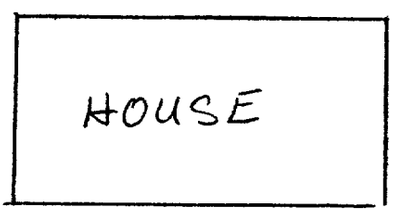
PUMPING TEST METHOD: 1 PUMP 2 ☐ BAILER
PUMPING RATE: 7 GPM
DURATION OF PUMPING: 2 HOURS ___ MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 1 ☐ PUMPING 2 ☐ RECOVERY			
		15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
10 FEET	22 FEET	11 FEET	4 FEET	11 FEET	11 FEET

IF FLOWING, GIVE RATE: ___ GPM
PUMP INTAKE SET AT: 22 FEET
WATER AT END OF TEST: 1 ☐ CLEAR 2 ☐ CLOUDY
RECOMMENDED PUMP TYPE: ☒ SHALLOW ☐ DEEP
RECOMMENDED PUMP SETTING: 22 FEET
RECOMMENDED PUMPING RATE: 7 GPM

LOCATION OF WELL

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



~~40~~ 25'
WELL
75'
DUNROBIN
600 ft
39004
THOMAS DOLAN PKWY.

DRILLERS REMARKS

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

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

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

CONTRACTOR

NAME OF WELL CONTRACTOR: Valley Drilling Co Ltd
WELL CONTRACTOR'S LICENCE NUMBER: 5222
ADDRESS: RR#1 Comp Box 437
NAME OF WELL TECHNICIAN: BILL BISSON
WELL TECHNICIAN'S LICENCE NUMBER: 1410
SIGNATURE OF TECHNICIAN/CONTRACTOR: [signature]
SUBMISSION DATE: DAY ___ MO ___ YR ___

OFFICE USE ONLY

DATA SOURCE
CONTRACTOR: 5222
DATE RECEIVED: JAN 09 1989
DATE OF INSPECTION
INSPECTOR
REMARKS
WDE

CSS.ES

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Ministry of the Environment
Ontario

55532

ATT: [redacted]

The Ontario Water Resources Act

WATER WELL RECORD

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

11

1523354

MUNICIP 5010 (10-14)

CON. CON 04 (15-22, 23-24)

COUNTY OR DISTRICT: OTTAWA, CARLETON (26-47)

TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: WEST CARLETON

CON., BLOCK, TRACT, SURVEY, ETC: NE ½ LOT 14, CON 4

LOT: 1 (25-27)

OWNER (SURNAME FIRST): [redacted]

ADDRESS: 102 WALLGREEN P+R P KOA-1L0. R.W. CONNELLY ASSOC. LTD

DATE COMPLETED (48-53): DAY 6 MO 6 YR 88

21

ZONE: U WE22H1 (10-17)

EASTING (18-24)

NORTHING (25-31)

RC

ELEVATION (26-29)

RC (30)

BASIN CODE (31-47)

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
BROWN	SAND		LOOSE FINE	0	33'
BROWN	SAND		MED, FINE	33'	42'
BROWN	SAND	GREY SAND LAYERS	MED, FINE	42'	50'

31

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
46 to 49 (10-13)	1 ☑ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS (14)
(15-18)	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS (19)
(20-23)	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS (24)
(25-28)	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS (29)
(30-33)	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS (34) (80)

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6¼ (10-11)	1 ☑ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC (12)	.188	0	44 (13-16)
5½ (17-18)	1 ☑ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC (19)	.188	36'	46 (20-23)
(24-25)	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC (26)			(27-30)

SCREEN

SIZE(S) OF OPENING (SLOT NO.) (31-33): 8

DIAMETER (34-38): 6 INCHES

LENGTH (39-40): 3 FEET

MATERIAL AND TYPE: STAINLESS STEEL Telescoping

DEPTH TO TOP OF SCREEN (41-44): 46 FEET (30)

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
0 (10-13)	20 (14-17)	CEMENT GROUT
(18-21)	(22-25)	TYPE 10 PORTLAND
(26-29)	(30-33) (80)	

PUMPING TEST

71

PUMPING TEST METHOD (10): 1 ☑ PUMP 2 ☐ BAILER

PUMPING RATE (11-14): 7 GPM

DURATION OF PUMPING (15-16 HOURS, 17-18 MINS): 2 HOURS

STATIC LEVEL (19-21)	WATER LEVEL END OF PUMPING (22-24)
33 FEET	45 FEET

WATER LEVELS DURING (25): 1 ☑ PUMPING 2 ☐ RECOVERY

15 MINUTES (26-28)	30 MINUTES (29-31)	45 MINUTES (32-34)	60 MINUTES (35-37)
45 FEET	45 FEET	45 FEET	45 FEET

IF FLOWING, GIVE RATE (38-41): GPM

PUMP INTAKE SET AT: 45 FEET

WATER AT END OF TEST (42): 1 ☑ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE: ☐ SHALLOW ☑ DEEP

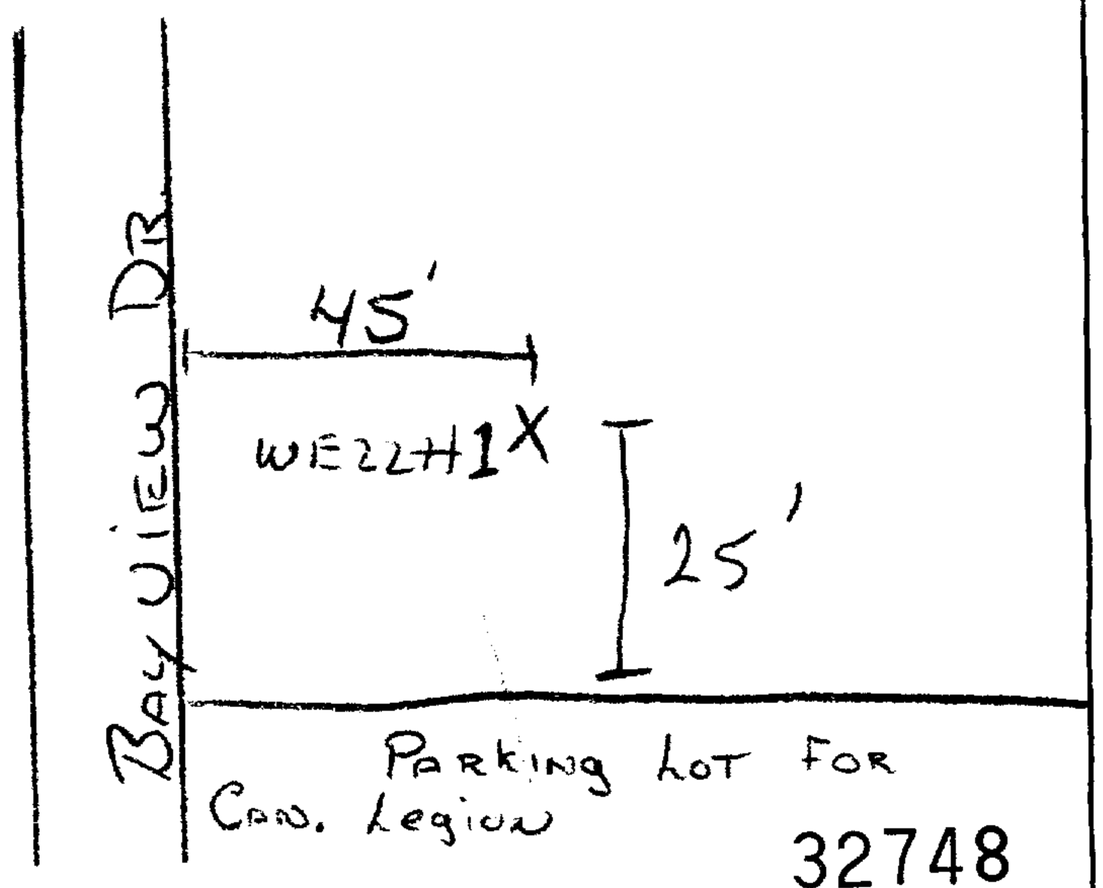
RECOMMENDED PUMP SETTING (43-45): 45 FEET

RECOMMENDED PUMPING RATE (46-49): 5 GPM

(50-53)

LOCATION OF WELL

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



32748

DRILLERS REMARKS

FINAL STATUS OF WELL (54)

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

WATER USE (55-56)

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

METHOD OF CONSTRUCTION (57)

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

CONTRACTOR

NAME OF WELL CONTRACTOR: VALLEY DRILLING CO LTD

WELL CONTRACTOR'S LICENCE NUMBER: 5222

ADDRESS: P.O. Box 437 Carp, Ont

NAME OF WELL TECHNICIAN: Bill Bisson

WELL TECHNICIAN'S LICENCE NUMBER: T-0190

SIGNATURE OF TECHNICIAN/CONTRACTOR:

SUBMISSION DATE: DAY ____ MO. ____ YR. ____

OFFICE USE ONLY

DATA SOURCE (58)

CONTRACTOR (59-62): 5222

DATE RECEIVED (63-68): APR 04 1989 (80)

DATE OF INSPECTION

INSPECTOR

REMARKS

CERS

FORM NO. 0506 (11/86) FORM 9

MINISTRY OF THE ENVIRONMENT COPY

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

OTTAWA-CARLETON

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

11 | 1523445 | MUNICIP 15010 | CON

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC.	LOT
	West Carleton	3	1

OWNER (SURNAME FIRST): Mainman Realty Limited
ADDRESS: Dunrobin, Ontario Caseyfield Subdivision
DATE COMPLETED: DAY 09 MO 03 YR 89

ZONE | EASTING | NORTHING | ELEVATION | BASIN CODE

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
blue			clay	0	21
blue and grey			clay and silt	21	34'8"
red and white and black			coarse gravel	34'8"	36'5"

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
34'8"	2 ☒ SALTY
36'5"	1 ☒ FRESH

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6 1/4	1 ☒ STEEL	188	+2	34'8"
6	5 ☒ PLASTIC		34'8"	36'5"

SCREEN

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

MATERIAL AND TYPE: stainless steel
DEPTH TO TOP OF SCREEN: 33 FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
0	22	pressure cement grout

71 PUMPING TEST

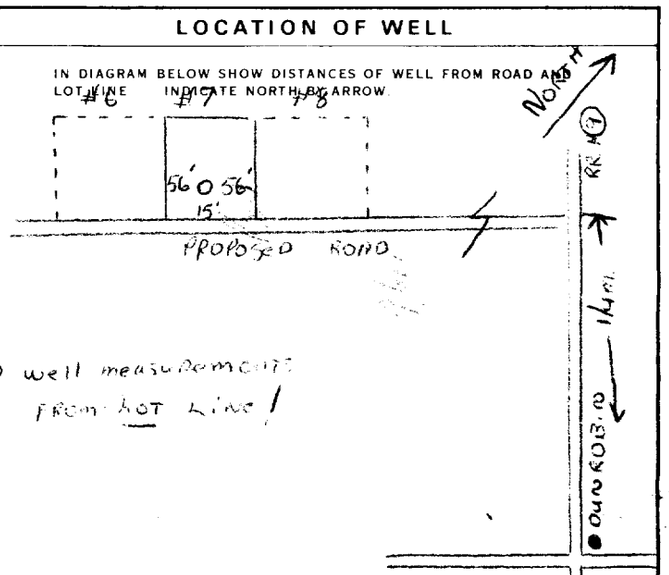
PUMPING TEST METHOD: 1 ☐ PUMP ☒ AIR ☐ BAILER
PUMPING RATE: 15 GPM
DURATION OF PUMPING: 1 HOURS ___ MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
13 FEET	36 FEET	1 ☐ PUMPING 2 ☒ RECOVERY	13 FEET	13 FEET	13 FEET	13 FEET

IF FLOWING, GIVE RATE: GPM
PUMP INTAKE SET AT: 34 FEET
WATER AT END OF TEST: 1 ☒ CLEAR 2 ☐ CLOUDY
RECOMMENDED PUMP TYPE: ☒ SHALLOW ☐ DEEP
RECOMMENDED PUMP SETTING: 30 FEET
RECOMMENDED PUMPING RATE: 15 GPM

LOCATION OF WELL

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



0 well measurements from lot line

DRILLERS REMARKS: 17794

FINAL STATUS OF WELL

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

WATER USE

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

METHOD OF CONSTRUCTION

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

CONTRACTOR

NAME OF WELL CONTRACTOR: G.Charbonneau+SonDrillingLtd.
WELL CONTRACTOR'S LICENCE NUMBER: 1504
ADDRESS: R.R.2,Box 194, Orléans,Ont. K1C 1T1
NAME OF WELL TECHNICIAN: Benoit Charbonneau
WELL TECHNICIAN'S LICENCE NUMBER: T-0136
SIGNATURE OF TECHNICIAN/CONTRACTOR:
SUBMISSION DATE: DAY 09 MO 03 YR 89

OFFICE USE ONLY

DATA SOURCE | CONTRACTOR: 1504 | DATE RECEIVED: JUN 26 1989
DATE OF INSPECTION | INSPECTOR
REMARKS: CSS.ES

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Ministry of the Environment
Ontario

OTTAWA-CARLETON

The Ontario Water Resources Act

WATER WELL RECORD

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

11 1523446 MUNICIP 15010 CON

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON.	BLOCK, TRACT, SURVEY, ETC.	LOT
	W. Carleton, Corbeltor	3		1 6

OWNER (SURNAME FIRST)	ADDRESS	DATE COMPLETED
Wainman Realty Limited	Dunrobin, Ont. Caseyfield Subdivision	DAY 11 MO 03 YR 89

21 ZONE EASTING NORTHING ELEVATION RC BASIN CODE

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
blue			clay	0	23
blue and grey			clay and silt	23	37
blue and grey			clay, silt and fine gravel	37	54
red, white, black, green			coarse gravel	54	56¼

31
32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
56	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6¼	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	188	+2	54
6	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC		54	56'4"
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
# 10	6 INCHES	3 FEET

MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN
stainless steel	53¼ FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER, ETC.)
0	22	pressure cement grout

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☐ PUMP air 2 ☐ BAILER	20 GPM	1 HOURS ___ MINS

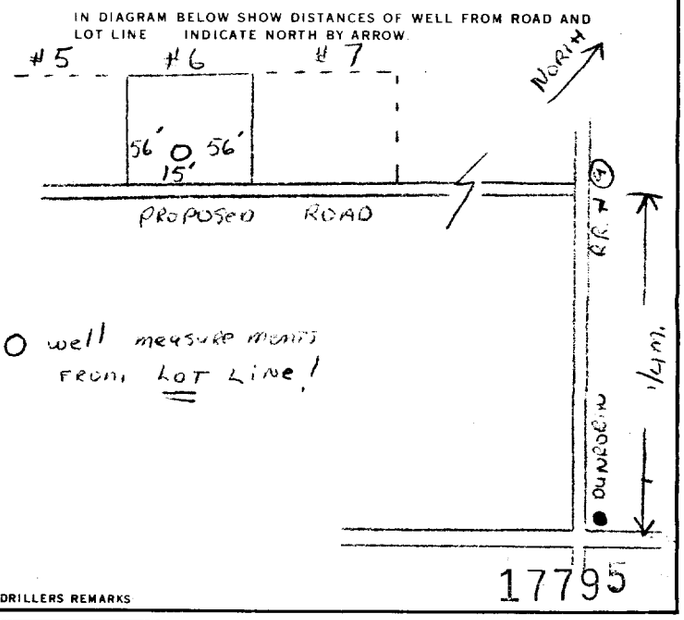
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
12 FEET	50 FEET	1 ☐ PUMPING 2 ☒ RECOVERY	12 FEET	12 FEET	12 FEET	12 FEET

IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
GPM	56 FEET	1 ☒ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☒ SHALLOW ☐ DEEP	40 FEET	15 GPM

LOCATION OF WELL

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



0 well measurements from Lot Line!

DRILLERS REMARKS 17795

FINAL STATUS OF WELL

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

WATER USE

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

METHOD OF CONSTRUCTION

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

CONTRACTOR

NAME OF WELL CONTRACTOR: G. Charbonneau + Son Drilling Ltd.
WELL CONTRACTOR'S LICENCE NUMBER: 1504
ADDRESS: R.R.2, Box 194, Orléans, Ont. K1C 1T1
NAME OF WELL TECHNICIAN: Benoit Charbonneau
WELL TECHNICIAN'S LICENCE NUMBER: T-0136
SIGNATURE OF TECHNICIAN/CONTRACTOR: G. Charbonneau
SUBMISSION DATE: DAY 11 MO 03 YR 89

OFFICE USE ONLY

DATA SOURCE
CONTRACTOR: 1504
DATE RECEIVED: JUN 26 1989
DATE OF INSPECTION
INSPECTOR
REMARKS
CSS. GS

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

OTTAWA-CARLETON

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

11 — 1523447 — MUNICIP. 15010 — CON.

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON.	BLOCK, TRACT, SURVEY, ETC.	LOT
	West Carleton, Torbolton		3	15

OWNER (SURNAME FIRST) 28-47: Wainman Realty Ltd.
ADDRESS: Dunrobin, Ont.
DATE COMPLETED 48-53: DAY 14 MO 03 YR 89

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

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
			yellow sand and blue clay	0	11
blue			clay	11	41
			clay and fine gravel and sand (fine)	41	79
			coarse gravel	79	81'6"

31
32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
80	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6¼	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	188	+2½	79½
6	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC		79½	81½
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
#10	6 INCHES	3 FEET

MATERIAL AND TYPE: stainless Steel
DEPTH TO TOP OF SCREEN: 78 FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
0	22	pressure cement grout

71 PUMPING TEST

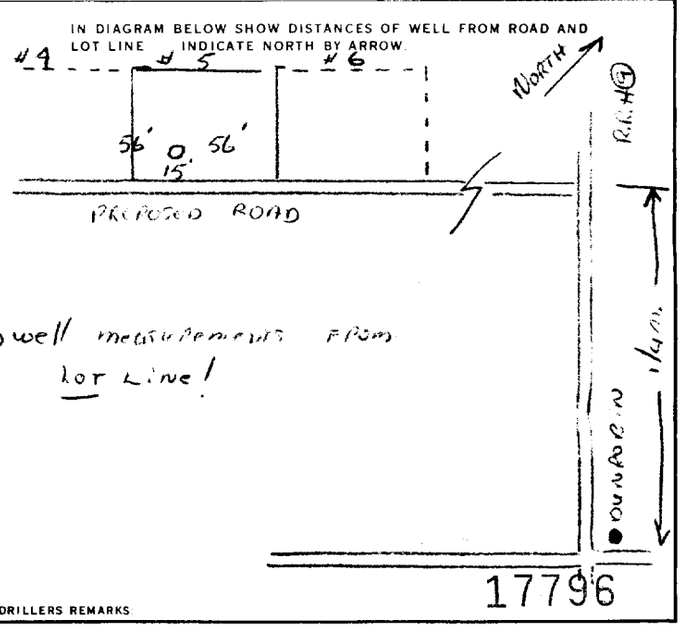
PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☐ PUMP 2 ☐ BAILER — air	50 GPM	1 HOURS — MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
12 FEET	81 FEET	1 ☐ PUMPING 2 ☒ RECOVERY	12 FEET	12 FEET	12 FEET	12 FEET

IF FLOWING, GIVE RATE — GPM
PUMP INTAKE SET AT: 80 FEET
WATER AT END OF TEST: 1 ☐ CLEAR 2 ☐ CLOUDY ☒
RECOMMENDED PUMP TYPE: ☒ SHALLOW ☐ DEEP
RECOMMENDED PUMP SETTING: 35 FEET
RECOMMENDED PUMPING RATE: 15 GPM

LOCATION OF WELL

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



owell measurements from lot Line!

DRILLERS REMARKS: 17796

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

CONTRACTOR

NAME OF WELL CONTRACTOR: G. Charbonneau + Son Drilling Ltd.
WELL CONTRACTOR'S LICENCE NUMBER: 1504
ADDRESS: R.R.2, Box 194, Orléans, Ont. K1LC1T1
NAME OF WELL TECHNICIAN: Benoit Charbonneau
WELL TECHNICIAN'S LICENCE NUMBER: T-0136
SIGNATURE OF TECHNICIAN/CONTRACTOR: Benoit Charbonneau
SUBMISSION DATE: DAY 14 MO 03 YR 89

OFFICE USE ONLY

DATA SOURCE
CONTRACTOR: 1504
DATE RECEIVED: JUN 26 1989
DATE OF INSPECTION
INSPECTOR
REMARKS
CSS: BS

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Con 3 / Lot 1

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

OTTAWA-CARLETON

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

11 — 1523448 — MUNICIPALITY 15010

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON. BLOCK, TRACT, SURVEY, ETC.	LOT
GRMOC.	WEST CARLETON, TORBOLTON WARD	Con 3, Twp Lot 1	W1/2 Lot

OWNER (SURNAME FIRST)	ADDRESS	DATE COMPLETED
Wainman Realty Limited	Dunrobin, Ontario (Cusack Creek Subdivision)	DAY 16 MO 03 YR 89

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

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
blue			clay	0	29
grey and white			medium sand	29	67

31

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
67	1 ☒ FRESH 2 ☐ SALTY — 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY — 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY — 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY — 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY — 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6 1/4	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	188	+2	65
6	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC		⊕ 65	67
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

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

MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN
stainless steel	64 FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER, ETC.)
0	22	pressure cement grout

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☐ PUMP air 2 ☐ BAILER	10 GPM	2 HOURS ____ MINS

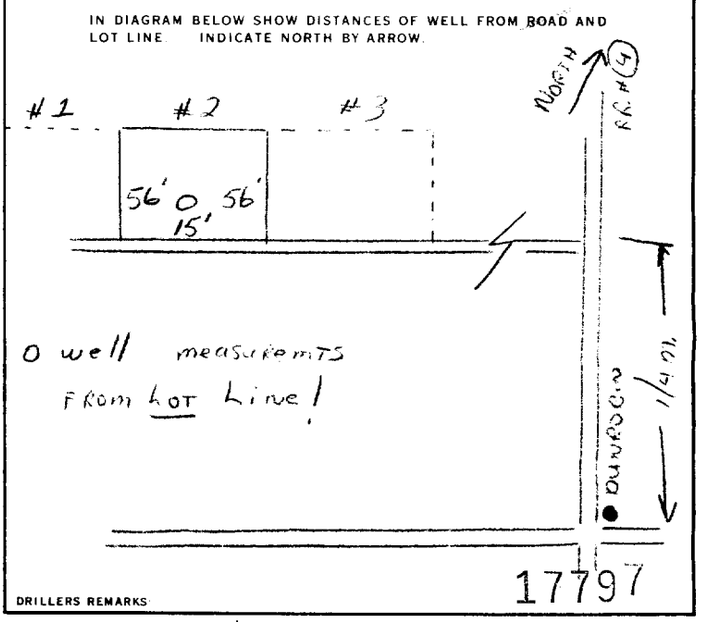
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
5 FEET	65 FEET	1 ☐ PUMPING 2 ☒ RECOVERY	8 FEET	5 FEET	5 FEET	5 FEET

IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
GPM	67 FEET	1 ☐ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☐ SHALLOW ☒ DEEP	55 FEET	10 GPM

LOCATION OF WELL

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



0 well measurements from Lot Line!

DRILLERS REMARKS: 17797

FINAL STATUS OF WELL

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

WATER USE

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

METHOD OF CONSTRUCTION

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

CONTRACTOR

NAME OF WELL CONTRACTOR	WELL CONTRACTOR'S LICENCE NUMBER
G. Charbonneau + Son Drilling Ltd.	1504

ADDRESS: R.R. 2, Box 194, Orléans, Ont. K1C 1T1

NAME OF WELL TECHNICIAN	WELL TECHNICIAN'S LICENCE NUMBER
Benoit Charbonneau	T-0136

SIGNATURE OF TECHNICIAN/CONTRACTOR: Benoit Charbonneau

SUBMISSION DATE: DAY 16 MO 03 YR 89

OFFICE USE ONLY

DATA SOURCE | CONTRACTOR: 1504 | DATE RECEIVED: JUN 26 1989

DATE OF INSPECTION | INSPECTOR

REMARKS: CSS.BS

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

(5)

Ministry of the Environment
Ontario

OTTAWA-CARLETON

The Ontario Water Resources Act

WATER WELL RECORD

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

11 — 1523449 — MUNICIP 15010 — CON

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON.	BLOCK, TRACT, SURVEY, ETC.	LOT
	West Carleton Torbolton	3		24

OWNER (SURNAME FIRST)	ADDRESS	DATE COMPLETED
Wainman Realty Ltd.	Dunrobin, Ontario Casey Creek Subdivision	DAY 17 MO 03 YR 89

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

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
blue			clay	0	31
grey, black, white			medium sand	31	68

31

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
68	1 ☒ FRESH 2 ☐ SALTY — 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY — 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY — 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY — 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY — 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6¼	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	188	+2	65
6	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC		65	68
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
#8	6 INCHES	3 FEET

MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN
stainless steel	65 FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
0	22	pressure cement grout

71 PUMPING TEST

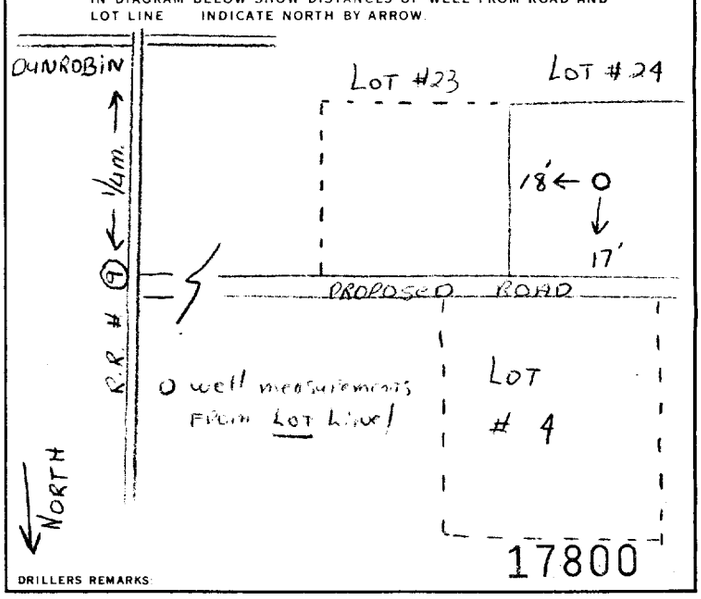
PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☐ PUMP air 2 ☐ BAILER	6 GPM	2 HOURS ____ MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
7 FEET	68 FEET	1 ☐ PUMPING 2 ☒ RECOVERY	11 FEET	7 FEET	7 FEET	7 FEET

IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST	RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
GPM	68 FEET	1 ☒ CLEAR 2 ☐ CLOUDY	☐ SHALLOW ☒ DEEP	60 FEET	6 GPM

LOCATION OF WELL

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



0 well measurements from Lot Line

DRILLERS REMARKS:

FINAL STATUS OF WELL

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

WATER USE

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

METHOD OF CONSTRUCTION

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

CONTRACTOR

NAME OF WELL CONTRACTOR: G. Charbonneau + Son Drilling Ltd. — WELL CONTRACTOR'S LICENCE NUMBER: 1504

ADDRESS: R.R.2, Box 194, Orléans, Ont. K1C 1T1

NAME OF WELL TECHNICIAN: Benoit Charbonneau — WELL TECHNICIAN'S LICENCE NUMBER: T-0136

SIGNATURE OF TECHNICIAN/CONTRACTOR: Gérard Charbonneau — SUBMISSION DATE: DAY 17 MO 03 YR 89

OFFICE USE ONLY

DATA SOURCE — CONTRACTOR: 1504 — DATE RECEIVED: JUN 26 1989

DATE OF INSPECTION — INSPECTOR

REMARKS: CCS. BS

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

OTTAWA-CARLETON.

1. PRINT ONLY IN SPACES PROVIDED
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11 — 1523450 — MUNICIP 15010

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON.	BLOCK, TRACT, SURVEY, ETC.	LOT
	W. Carleton, Torbolton	3		1 Sub 3

OWNER (SURNAME FIRST)	ADDRESS	DATE COMPLETED
Wainman Realty Limited	Dunrobin, Ontario Casey Creek Subd.	DAY 21 MO 03 YR 89

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

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
blue			clay	0	33
black, grey, white			medium sand	33	63'9"

31

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
63'9"	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6¼	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	188	+2	61'3"
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
#8	6 INCHES	3 FEET

MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN
stainless steel	60'9" FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
0	22	pressure cement grou

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☐ PUMP 2 ☐ BAILER — air	30 GPM	1 HOURS ___ MINS

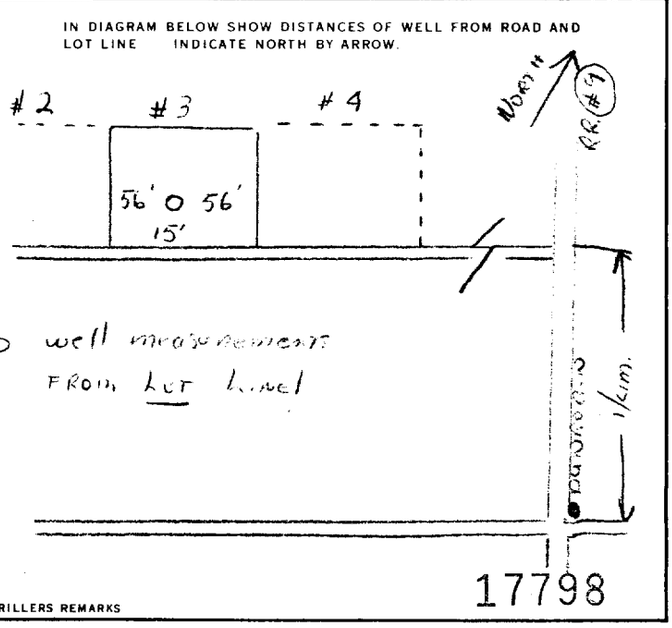
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
9 FEET	63 FEET	1 ☐ PUMPING 2 ☐ RECOVERY	9 FEET	9 FEET	9 FEET	9 FEET

IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
GPM	63 FEET	1 ☒ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☒ SHALLOW ☐ DEEP	35 FEET	15 GPM

LOCATION OF WELL

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



DRILLERS REMARKS: 17798

FINAL STATUS OF WELL

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

WATER USE

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

METHOD OF CONSTRUCTION

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

CONTRACTOR

NAME OF WELL CONTRACTOR: G. Charbonneau + Son Drilling Ltd.
WELL CONTRACTOR'S LICENCE NUMBER: 1504
ADDRESS: R.R.2, Box 194, Orléans, Ont. K1C 1T1
NAME OF WELL TECHNICIAN: Benoit Charbonneau
WELL TECHNICIAN'S LICENCE NUMBER: T-0136
SIGNATURE OF TECHNICIAN/CONTRACTOR: Benoit Charbonneau
SUBMISSION DATE: DAY 21 MO 03 YR 89

OFFICE USE ONLY

DATA SOURCE
CONTRACTOR: 1504
DATE RECEIVED: JUN 26 1989
DATE OF INSPECTION
INSPECTOR
REMARKS
CSS. GS

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Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

OTTAWA-CARLETON

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11 — 1523451 — MUNICIP 15910 — CON

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON.	BLOCK, TRACT, SURVEY, ETC.	LOT	
	West Carleton, Torbolton **	3 **		1	Sub 4 lot

OWNER (SURNAME FIRST)	ADDRESS	DATE COMPLETED
Wainman Realty	Casey Creek Subdivision **	DAY 23 MO 03 YR 89

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

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
blue			clay	0	34
grey			fine sand	34	78
			coarse gravel	78	80'9"

31

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
80	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6 1/4	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	188	+2	78'6"
6	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC		78'6	80'9"
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
#18	6 INCHES	3 FEET

MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN
stainless steel	77'9" FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
0	22	pressure cement grout

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☐ PUMP 2 ☐ BAILER — air	12 GPM	1 HOURS ____ MINS

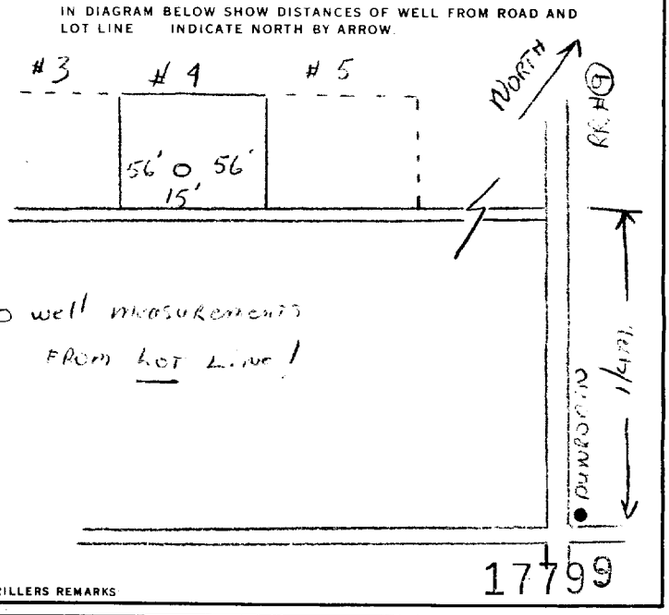
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 1 ☐ PUMPING 2 ☒ RECOVERY	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
FEET	80 FEET		FEET	FEET	FEET	FEET

IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
— GPM	80 FEET	1 ☒ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☐ SHALLOW ☒ DEEP	75 FEET	10 GPM

LOCATION OF WELL

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



DRILLERS REMARKS: 17799

FINAL STATUS OF WELL

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

WATER USE

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

METHOD OF CONSTRUCTION

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

CONTRACTOR

NAME OF WELL CONTRACTOR: G. Charbonneau + Son Drilling Ltd.
WELL CONTRACTOR'S LICENCE NUMBER: 1504
ADDRESS: R.R.2, Box 194, Orléans, Ont. K1C 1T1
NAME OF WELL TECHNICIAN: Benoit Charbonneau
WELL TECHNICIAN'S LICENCE NUMBER: T-0136
SIGNATURE OF TECHNICIAN/CONTRACTOR: Benoit Charbonneau
SUBMISSION DATE: DAY 23 MO 03 YR 89

OFFICE USE ONLY

DATA SOURCE
CONTRACTOR: 1504
DATE RECEIVED: JUN 26 1989
DATE OF INSPECTION
INSPECTOR
REMARKS
CSS, BS

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FORM NO. 0506 (11/86) FORM 9

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

OTTAWA- CARLETON

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

11 | 1523452 | MUNICIPAL 15010

COUNTY OR DISTRICT: [redacted]

TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: West Carleton Torbolton

CON., BLOCK, TRACT, SURVEY, ETC.: 3

LOT: 1st Sub 14 & 23

DATE COMPLETED: DAY 27 MO 03 YR 89

[redacted] Dunrobin, Ontario Casey Creek Subdivision

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
blue			clay	0	51
grey			fine sand	51	64
			coarse sand and gravel	64	66

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
66	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6 1/4	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	188	+2	64
6	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC		64	66
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

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

MATERIAL AND TYPE: stainless steel

DEPTH TO TOP OF SCREEN: 63 FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
0	22	pressure cement grout

71 PUMPING TEST

PUMPING TEST METHOD: 1 ☐ PUMP 2 ☒ BAILER — air

PUMPING RATE: 50 GPM

DURATION OF PUMPING: 2 HOURS ___ MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 1 ☐ PUMPING 2 ☒ RECOVERY			
		15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
10 FEET	60 FEET	10 FEET	10 FEET	10 FEET	10 FEET

IF FLOWING, GIVE RATE: ___ GPM

PUMP INTAKE SET AT: 66 FEET

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

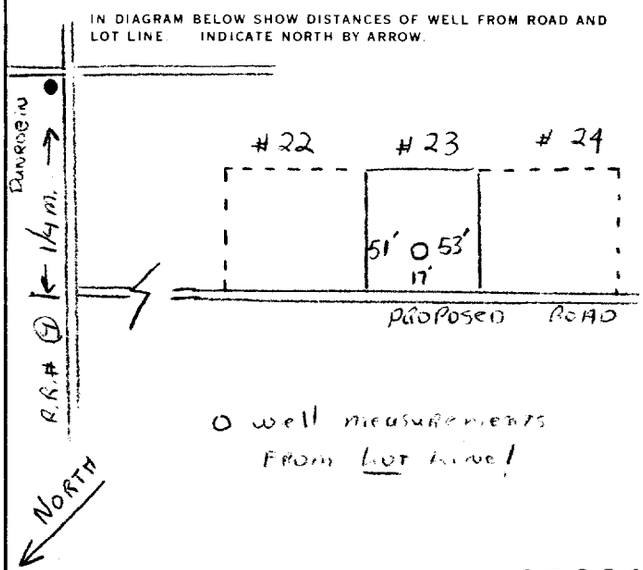
RECOMMENDED PUMP TYPE: ☒ SHALLOW ☐ DEEP

RECOMMENDED PUMP SETTING: 35 FEET

RECOMMENDED PUMPING RATE: 15 GPM

LOCATION OF WELL

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



0 well measurements from lot line

DRILLERS REMARKS: 17801

FINAL STATUS OF WELL

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

WATER USE

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

METHOD OF CONSTRUCTION

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

CONTRACTOR

NAME OF WELL CONTRACTOR: G.Charbonneau+SonDrillingLtd. | WELL CONTRACTOR'S LICENCE NUMBER: 1504

ADDRESS: R.R.2,Box 194, Orléans,Ont. K1C 1T1

NAME OF WELL TECHNICIAN: Benoit Charbonneau | WELL TECHNICIAN'S LICENCE NUMBER: T-0136

SIGNATURE OF TECHNICIAN/CONTRACTOR: G Charbonneau | SUBMISSION DATE: DAY 27 MO 03 YR 89

OFFICE USE ONLY

DATA SOURCE | CONTRACTOR 1504 | DATE RECEIVED JUN 26 1989

DATE OF INSPECTION | INSPECTOR

REMARKS: CSS-RS

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Ontario

The Ontario Water Resources Act

WATER WELL RECORD

OTTAWA - CARLETON

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11 — 1523453 — MUNICIP 15010

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC	LOT	SUBLOT
	West Carleton Torbolton	3	1	22

OWNER (SURNAME FIRST)	ADDRESS	DATE COMPLETED
Wainman Realty Limited	Dunrobin, Ontario Casey Creek Subdivision	DAY 29 MO 03 YR 89

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

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
blue			clay	0	56
grey			fine sand	56	61
			coarse gravel	61	63

31

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
63	1 ☒ FRESH 2 ☒ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6 1/4	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	188	+2	61
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
18	6 INCHES	3 FEET

MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN
stainless steel	60 FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER, ETC.)
0	22	pressure cement grout

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☐ PUMP air 2 ☐ BAILER	50 GPM	2 HOURS ___ MINS

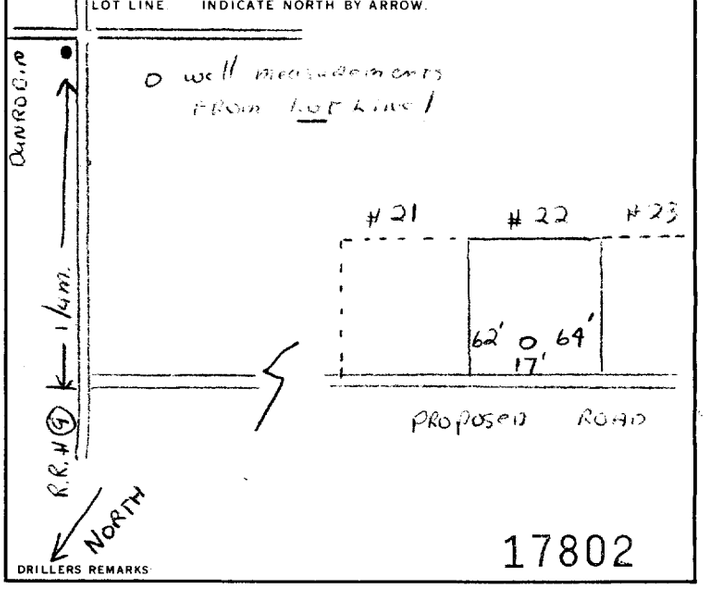
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
12 FEET	60 FEET	1 ☐ PUMPING 2 ☒ RECOVERY	12 FEET	12 FEET	12 FEET	12 FEET

IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
--- GPM	63 FEET	1 ☒ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☒ SHALLOW ☐ DEEP	35 FEET	20 GPM

LOCATION OF WELL

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



DRILLERS REMARKS

17802

FINAL STATUS OF WELL

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

WATER USE

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

METHOD OF CONSTRUCTION

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

CONTRACTOR

NAME OF WELL CONTRACTOR: G. Charbonneau + Son Drilling Ltd.
WELL CONTRACTOR'S LICENCE NUMBER: 1504
ADDRESS: R.R.2, Box 194, Orléans, Ont. K1C 1T1
NAME OF WELL TECHNICIAN: Benoit Charbonneau
WELL TECHNICIAN'S LICENCE NUMBER: T-0136
SIGNATURE OF TECHNICIAN/CONTRACTOR: Benoit Charbonneau
SUBMISSION DATE: DAY 29 MO. 03 YR. 89

OFFICE USE ONLY

DATA SOURCE
CONTRACTOR: 1504
DATE RECEIVED: JUN 26 1989
DATE OF INSPECTION
INSPECTOR
REMARKS
CSS.BS

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Lot 3 May 89

Ministry of the Environment
Ontario

S.O. 42588

The Ontario Water Resources Act

WATER WELL RECORD

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

11 — 1523873 TORWOLTON — MUNICIP 15019 — CON 6 — LOT 3 — 1988

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON, BLOCK, TRACT, SURVEY, ETC	LOT
OTTAWA CARLETON	DUNROBIN	CON 4	1

OWNER (SURNAME FIRST)	ADDRESS	DATE COMPLETED
GREENSIDE CONST.	54 CEASAR AVE NEPEAN	DAY ___ MO ___ YR ___

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

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
BROWN	CLAY		PACKED	0	11'
GREY	CLAY		MOIST	11'	77'
GREY & BROWN	SAND	SILT	VERY FINE	77'	81'

31

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
77 to 80	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6 1/4	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	0'	75'
5 1/2"	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	57'	77'
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

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

MATERIAL AND TYPE: TELESCOPING STAINLESS STEEL — DEPTH TO TOP OF SCREEN: 77 FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
0	20	Cement Grout

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☒ PUMP 2 ☐ BAILER	2 GPM	5 HOURS ___ MINS

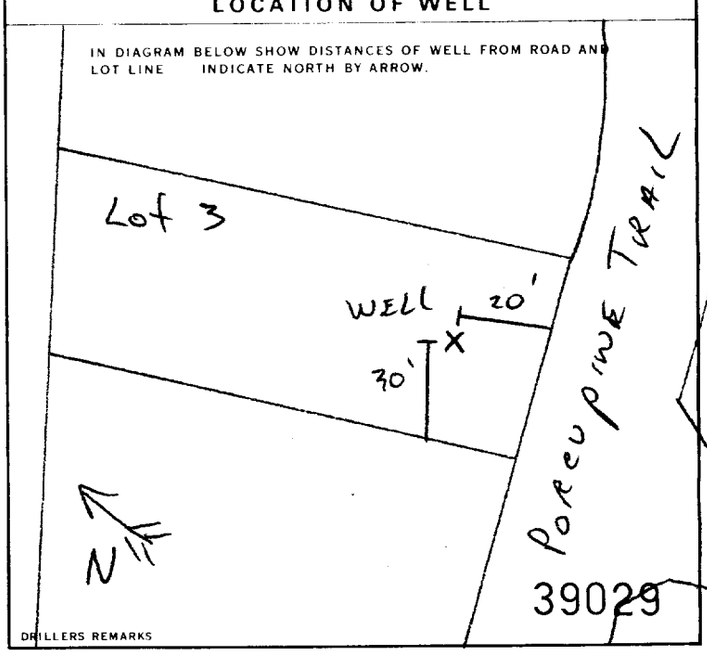
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
5 FEET	77 FEET	1 ☐ PUMPING 2 ☐ RECOVERY	77 FEET	77 FEET	77 FEET	77 FEET

IF FLOWING GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
GPM	77 FEET	1 ☐ CLEAR 2 ☒ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☐ SHALLOW ☒ DEEP	75 FEET	2 GPM

LOCATION OF WELL

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



DRILLERS REMARKS

FINAL STATUS OF WELL

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

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 CONSTRUCTION

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

CONTRACTOR

NAME OF WELL CONTRACTOR: VALLEY DRILLING CO LTD — WELL CONTRACTOR'S LICENCE NUMBER: 5222
ADDRESS: PO Box 437 CARP, ONT
NAME OF WELL TECHNICIAN: BILL DICKSON — WELL TECHNICIAN'S LICENCE NUMBER: T-0190
SIGNATURE OF TECHNICIAN/CONTRACTOR — SUBMISSION DATE: DAY ___ MO ___ YR ___

OFFICE USE ONLY

DATA SOURCE — CONTRACTOR: 5222 — DATE RECEIVED: OCT 24 1989
DATE OF INSPECTION — INSPECTOR
REMARKS

CSS. RS

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Lot 2 MAY 89.

Ministry of the Environment
Ontario

S.O. 42587

The Ontario Water Resources Act

WATER WELL RECORD

1523874

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

Tag # A 90 LTON

MUNICIP 15 010 Sub CON Lot 3 104

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC.	LOT
Ottawa Carleton	DUNROBIN	CON 4	1

OWNER (SURNAME FIRST)	ADDRESS	DATE COMPLETED
GREENSIDE Const.	5A CEASAR AVE NEPEAN.	DAY ___ MO ___ YR. 88

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

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	TO
BROWN	CLAY		PACKED	0'	7'
GREY	CLAY		PACKED	7'	56'
GREY	CLAY	SILT	MOIST	56'	72'
BROWN	SAND		MED	72'	77'

31

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
74-77	1 ☑ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
15-18	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
20-23	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
25-28	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
30-33	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	TO
6 1/4	1 ☑ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	0	72
5 1/2	1 ☑ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	52'	74'
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
8	6 INCHES	3 FEET

MATERIAL AND TYPE: TELESCOPING STAINLESS STEEL

DEPTH TO TOP OF SCREEN: 74 FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
0	20	Cement Grout.

71 PUMPING TEST

PUMPING TEST METHOD: 1 ☑ PUMP 2 ☐ BAILER

PUMPING RATE: 50 GPM

DURATION OF PUMPING: 2 HOURS ___ MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 1 ☐ PUMPING 2 ☐ RECOVERY			
		15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
10 FEET	40 FEET	40 FEET	11 FEET	6 FEET	6 FEET

IF FLOWING, GIVE RATE: ___ GPM

PUMP INTAKE SET AT: 40 FEET

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

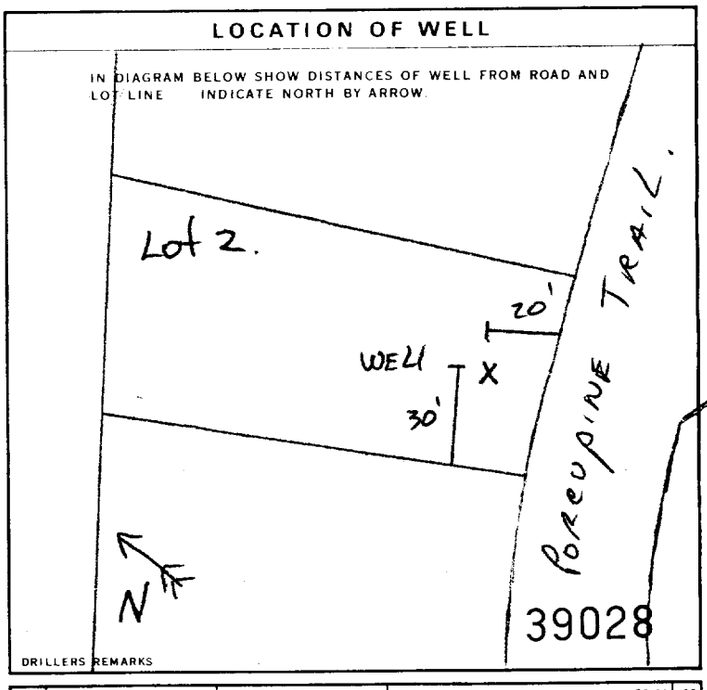
RECOMMENDED PUMP TYPE: ☐ SHALLOW ☑ DEEP

RECOMMENDED PUMP SETTING: 40 FEET

RECOMMENDED PUMPING RATE: 10 GPM

LOCATION OF WELL

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



DRILLERS REMARKS

FINAL STATUS OF WELL

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

WATER USE

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

METHOD OF CONSTRUCTION

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

CONTRACTOR

NAME OF WELL CONTRACTOR: VALLEY DRILLING Co LTD

WELL CONTRACTOR'S LICENCE NUMBER: 5222

ADDRESS: P.O. BOX 437 CARP, ONT

NAME OF WELL TECHNICIAN: BILL BISSON

WELL TECHNICIAN'S LICENCE NUMBER: T-0190

SIGNATURE OF TECHNICIAN/CONTRACTOR

SUBMISSION DATE: DAY ___ MO. ___ YR. ___

OFFICE USE ONLY

DATA SOURCE

CONTRACTOR: 5222

DATE RECEIVED: OCT 24 1989

DATE OF INSPECTION

INSPECTOR

REMARKS

CSS. ES

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Lot 4 MAY 89

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

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

11 1523875 TORBOLTON MUNICIP 15010 CON Sub Lot 04 4

COUNTY OR DISTRICT [redacted] | TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE DUNROBIN | CON, BLOCK, TRACT, SURVEY, ETC CON 4 | LOT 21

CEASAR AVE NEPEAN | DATE COMPLETED DAY 17 MO 10 YR 88

ELEVATION | BASIN CODE

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
BROWN	CLAY		PACKED	0	12'
GREY/GREEN/BLUE	CLAY		MOIST	12'	74'
BROWN	SAND		MED	74'	80'

31

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
76 to 79	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6 1/4	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	0	74'
5 1/2	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	56'	76'
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET
8	6	3

MATERIAL AND TYPE: STAINLESS

DEPTH TO TOP OF SCREEN: 76 FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
0	20	CEMENT GROUT.

71 PUMPING TEST

PUMPING TEST METHOD: 1 ☒ PUMP 2 ☐ BAILER

PUMPING RATE: 10 GPM

DURATION OF PUMPING: 2 HOURS ____ MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 1 ☒ PUMPING 2 ☐ RECOVERY			
		15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
10 FEET	75 FEET	75 FEET	75 FEET	75 FEET	75 FEET

IF FLOWING GIVE RATE: ____ GPM

PUMP INTAKE SET AT: 75 FEET

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

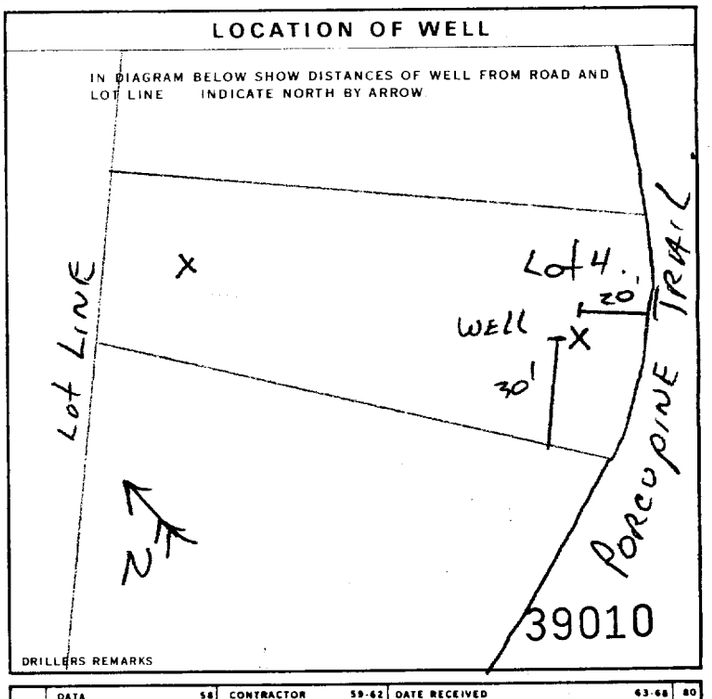
RECOMMENDED PUMP TYPE: ☐ SHALLOW ☒ DEEP

RECOMMENDED PUMP SETTING: 75 FEET

RECOMMENDED PUMPING RATE: 8 GPM

LOCATION OF WELL

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



DRILLERS REMARKS

FINAL STATUS OF WELL

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

WATER USE

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

METHOD OF CONSTRUCTION

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

CONTRACTOR

NAME OF WELL CONTRACTOR: VALLEY DRILLING CO LTD

WELL CONTRACTOR'S LICENCE NUMBER: 5222

ADDRESS: P.O. Box 437 CARP, ONT

NAME OF WELL TECHNICIAN: BILL BISSON

WELL TECHNICIAN'S LICENCE NUMBER: T-0190

SIGNATURE OF TECHNICIAN/CONTRACTOR

SUBMISSION DATE: DAY ____ MO. ____ YR. ____

OFFICE USE ONLY

DATA SOURCE | CONTRACTOR 5222 | DATE RECEIVED OCT 24 1989

DATE OF INSPECTION | INSPECTOR

REMARKS

CSS.ES

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Lot 1 MAY 1989

Ministry of the Environment
Ontario

S.O. 42586

The Ontario Water Resources Act

WATER WELL RECORD

1523876

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

14 TOR BOLTON

MUNICIP 010 CON. CON Lot #2 | 04

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC.	LOT
OTTAWA CARLETON	West Carleton	Con 4	1

OWNER (SURNAME FIRST)	ADDRESS	DATE COMPLETED
GREENSIDE Const	5A CEASAR AVE NEPEAN.	DAY 16 MO 8 YR 88

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

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
Brown	Clay	Sand	Packed	0	10'
Greyish Blue	Clay		Packed Moist	10'	68'
Grey	Silt		Wet	68'	74'
Grey & Brown	Sand		Med, Coarse	74'	82'
Grey	Sand	Brown Sand Silt	Wet	82'	86'

31

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
74 to 77	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6 1/4	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	0	74'
5 1/2	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	58'	74'
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
#8	6 INCHES	3 FEET

MATERIAL AND TYPE: Telescoping Stainless Steel

DEPTH TO TOP OF SCREEN: 74 FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
0	20	Cement Grout

71 PUMPING TEST

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

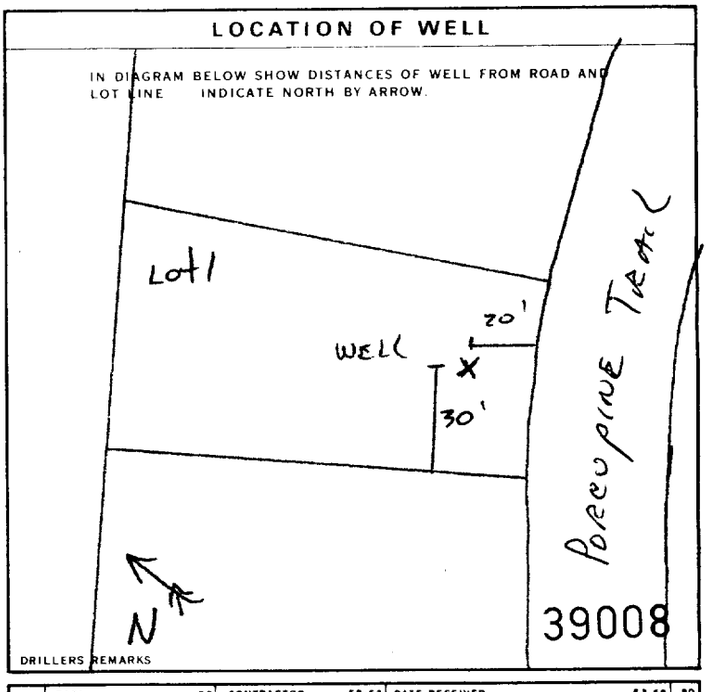
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
10 FEET	50 FEET	1 ☐ PUMPING 2 ☐ RECOVERY	FEET	FEET	FEET	FEET

IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
GPM	50 FEET	1 ☒ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☐ SHALLOW ☒ DEEP	50 FEET	10 GPM

LOCATION OF WELL

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



DRILLERS REMARKS

FINAL STATUS OF WELL

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

WATER USE

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

METHOD OF CONSTRUCTION

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

CONTRACTOR

NAME OF WELL CONTRACTOR: Valley Drilling Co Ltd
WELL CONTRACTOR'S LICENCE NUMBER: 5222
ADDRESS: P.O. Box 437 Carp, Ont
NAME OF WELL TECHNICIAN: Bill Bisson
WELL TECHNICIAN'S LICENCE NUMBER: T-0190
SIGNATURE OF TECHNICIAN/CONTRACTOR:
SUBMISSION DATE: DAY ____ MO. ____ YR. ____

OFFICE USE ONLY

DATA SOURCE
CONTRACTOR: 5222
DATE RECEIVED: OCT 24 1989
DATE OF INSPECTION
INSPECTOR
REMARKS
CSS-RS

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Ministry of the Environment
Ontario

5.0.42589

Lot 18 MAY 89

The Ontario Water Resources Act

WATER WELL RECORD

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

1523877 (11) Nepean. MUNICIP 1501 05 CON 04 Lot 18

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC.	LOT
Ottawa Carleton	Dunrobin	Con 4	1

OWNER (SURNAME FIRST)	ADDRESS	DATE COMPLETED
Greenside Const.	5A Ceasar Ave Nepean.	DAY 30 MO 8 YR 88

(21) ZONE | EASTING | NORTHING | RC | ELEVATION | RC | BASIN CODE

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
Brown	Clay		Packed	0	13'
Greyish Blue	Clay		Moist	13'	74'
Brown	Sand	Some Gravel	Wet	74'	80'

(31)

(32)

(41) WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
77 to 80	1 ☑ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

(51) CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6 1/4	1 ☑ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	0	76
5 1/2	1 ☑ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	55'	77'
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
8	6 INCHES	3 FEET

MATERIAL AND TYPE: Telescoping Stainless Steel

DEPTH TO TOP OF SCREEN: 77 FEET

(61) PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
0	20	Cement Grout

(71) PUMPING TEST

METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☑ PUMP 2 ☐ BAILER	30 GPM	2 HOURS ___ MINS

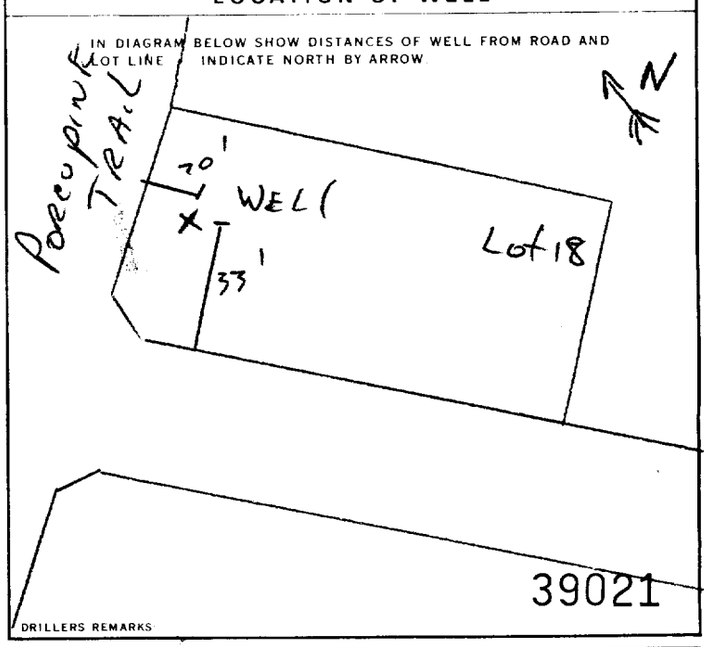
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
5 FEET	50 FEET	1 ☑ PUMPING 2 ☐ RECOVERY	11 FEET	4 FEET	4 FEET	4 FEET

IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
GPM	50 FEET	1 ☑ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☐ SHALLOW ☑ DEEP	50 FEET	10 GPM

LOCATION OF WELL

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



DRILLERS REMARKS: 39021

FINAL STATUS OF WELL

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

WATER USE

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

METHOD OF CONSTRUCTION

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

CONTRACTOR

NAME OF WELL CONTRACTOR: Valley Drilling Co Ltd
WELL CONTRACTOR'S LICENCE NUMBER: 5222
ADDRESS: P.O. Box 437 Carp Ont
NAME OF WELL TECHNICIAN: Bill Bissen
WELL TECHNICIAN'S LICENCE NUMBER: T-0190
SIGNATURE OF TECHNICIAN/CONTRACTOR:
SUBMISSION DATE: DAY ___ MO. ___ YR. ___

OFFICE USE ONLY

DATA SOURCE
CONTRACTOR: 5222
DATE RECEIVED: OCT 24 1989
DATE OF INSPECTION
INSPECTOR
REMARKS
CSS.ES

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Ministry of the Environment
Ontario

S.O. 42597

Lot 17 MAY 89.

The Ontario Water Resources Act

WATER WELL RECORD

1523878

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

11 TORBOLTON · MUNICIP 15010 · CON. CON · Lot Lot 17. 04

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC	LOT
OTTAWA CARLETON	DUNROBIN	CON 4	1.

OWNER (SURNAME FIRST)	ADDRESS	DATE COMPLETED
GREENSIDE CONST.	5A CEASAR AVE NEPEAN	DAY 29 MO 9 YR 88

21 UTM ZONE | EASTING | NORTHING | RC | ELEVATION | RC | BASIN CODE

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
BROWN	CLAY	BLACK MUCK.	WET	0	3'
BROWN	CLAY		PACKED	3'	13'
GREYISH BLUE	CLAY		MOIST	13'	56'
GREY	SILT	SAND & CLAY	FINE	56'	61'
BROWN	SAND	GREY SAND & GRAVEL	MED	61'	69'

31

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
63 66	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6 1/4	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	0	61'
5 1/2	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC		43'	63'
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
8	6 INCHES	3 FEET

MATERIAL AND TYPE: STAINLESS STEEL

DEPTH TO TOP OF SCREEN: 63 FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
0	20	CEMENT GROUT

71 PUMPING TEST

PUMPING TEST METHOD: 1 ☒ PUMP 2 ☐ BAILER

PUMPING RATE: 8 GPM

DURATION OF PUMPING: 2 HOURS ____ MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 1 ☒ PUMPING 2 ☐ RECOVERY			
		15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
10 FEET	25 FEET	25 FEET	25 FEET	25 FEET	25 FEET

IF FLOWING, GIVE RATE: ____ GPM

PUMP INTAKE SET AT: 50 FEET

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

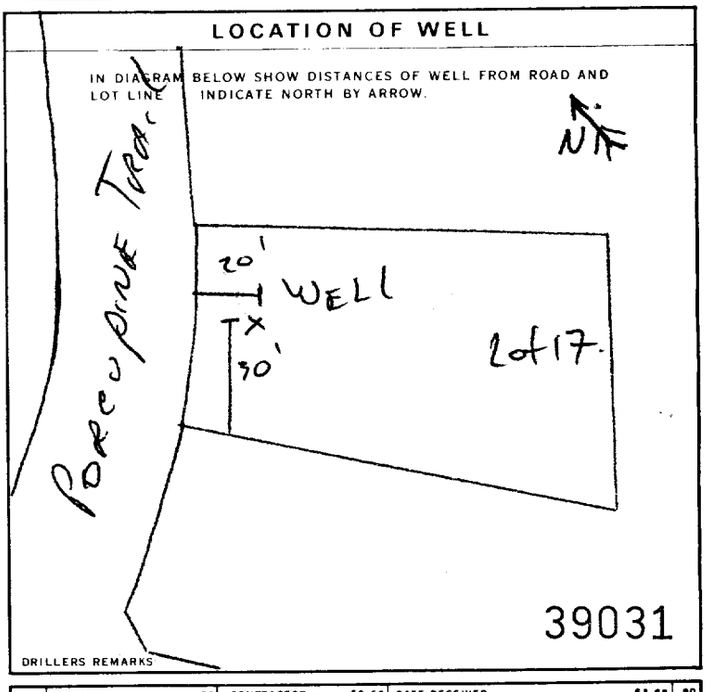
RECOMMENDED PUMP TYPE: ☐ SHALLOW ☒ DEEP

RECOMMENDED PUMP SETTING: 50 FEET

RECOMMENDED PUMPING RATE: 5 GPM

LOCATION OF WELL

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



DRILLERS REMARKS

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

CONTRACTOR

NAME OF WELL CONTRACTOR: VALLEY DRILLING CO LTD

WELL CONTRACTOR'S LICENCE NUMBER: 5222

ADDRESS: P.O. Box 437 CARP, ONT

NAME OF WELL TECHNICIAN: BILL BISSON

WELL TECHNICIAN'S LICENCE NUMBER: T-0190

SIGNATURE OF TECHNICIAN/CONTRACTOR

SUBMISSION DATE: DAY ____ MO. ____ YR. ____

OFFICE USE ONLY

DATA SOURCE

CONTRACTOR: 5222

DATE RECEIVED: OCT 24 1989

DATE OF INSPECTION

INSPECTOR

REMARKS

CSS. GS

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Lot 16 MAY 89.

Ministry of the Environment
Ontario

S.O. 42593

The Ontario Water Resources Act

WATER WELL RECORD

1523879

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

TWP Tor Golton MUNICIP 15019 CON. 6 Lot 16 CON 04

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC.	LOT
OTTAWA CARLETON	DUNROBIN	CON 4	16

OWNER (SURNAME FIRST)	ADDRESS	DATE COMPLETED
GREENSIDE CONST.	5A CEASAR AVE NEPEAN	DAY 1 MO 9 YR 88

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

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
BROWN	SAND		LOOSE	0'	1'
BROWN	CLAY		PACKED	1'	11'
GREYISH BLUE	CLAY		MOIST	11'	43'
GREY	SAND	SILT SOME GRAVEL	FINE	43'	51'
BROWN	SAND	GREY SAND	MED	51'	57

31

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
53' 56	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6¼	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	0	52
5½	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	30	53'
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET
8	6	3

MATERIAL AND TYPE: TELESCOPING STAINLESS STEEL

DEPTH TO TOP OF SCREEN: 53 FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
0	20	CEMENT GROUT.

71 PUMPING TEST

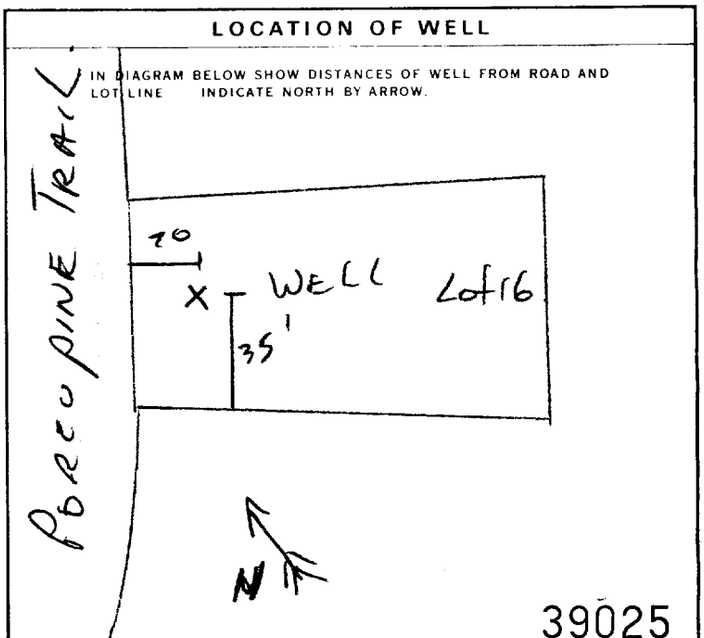
PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☒ PUMP 2 ☐ BAILER	10 GPM	2 HOURS ___ MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
10 FEET	20 FEET	1 ☐ PUMPING 2 ☐ RECOVERY	20 FEET	20 FEET	20 FEET	20 FEET

IF FLOWING GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST	RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
GPM	25 FEET	1 ☒ CLEAR 2 ☐ CLOUDY	☒ SHALLOW ☐ DEEP	30 FEET	5 GPM

LOCATION OF WELL

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



39025

DRILLERS REMARKS

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

CONTRACTOR

NAME OF WELL CONTRACTOR: VALLEY DRILLING CO LTD
WELL CONTRACTOR'S LICENCE NUMBER: 5222
ADDRESS: P.O. Box 437 CARP, ONT
NAME OF WELL TECHNICIAN: B. MADISSON
WELL TECHNICIAN'S LICENCE NUMBER: T-0190
SIGNATURE OF TECHNICIAN/CONTRACTOR
SUBMISSION DATE: DAY ___ MO ___ YR ___

OFFICE USE ONLY

DATA SOURCE
CONTRACTOR: 5222
DATE RECEIVED: OCT 24 1989
DATE OF INSPECTION
INSPECTOR
REMARKS
CSS-BS

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Lots MAY 89

Ministry of the Environment
Ontario

S.O. 42591

The Ontario Water Resources Act

WATER WELL RECORD

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

11 — 1523880 Torbolton — MUNICIP 1501 — CON 6 — Lot 1504

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC.	LOT
OTTAWA CARLETON	DUNROBIN	CON 4	16

OWNER (SURNAME FIRST)	ADDRESS	DATE COMPLETED
GREENSIDE CONST.	54 CEASAR AVE NEPEAN.	DAY 1 MO 9 YR 88

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

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
BROWN	SAND		LOOSE	0	2'
BROWN	CLAY		PACKED	2'	14'
GREYISH BLUE	CLAY		MOIST	14'	60'
BROWN	SAND	SOME GRAVEL	MED	60'	66'

31

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
62 65	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERALS 6 ☐ GAS
15-18	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERALS 6 ☐ GAS
20-23	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERALS 6 ☐ GAS
25-28	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERALS 6 ☐ GAS
30-33	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6 1/4	1 ☑ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	0	61
5 1/2	1 ☑ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	40'	62'
24-25	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			27-30

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
8	6 INCHES	3 FEET

MATERIAL AND TYPE: TELESCOPING STAINLESS STEEL — DEPTH TO TOP OF SCREEN: 62. FEET

61 PLUGGING & SEALING RECORD

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

71 PUMPING TEST

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

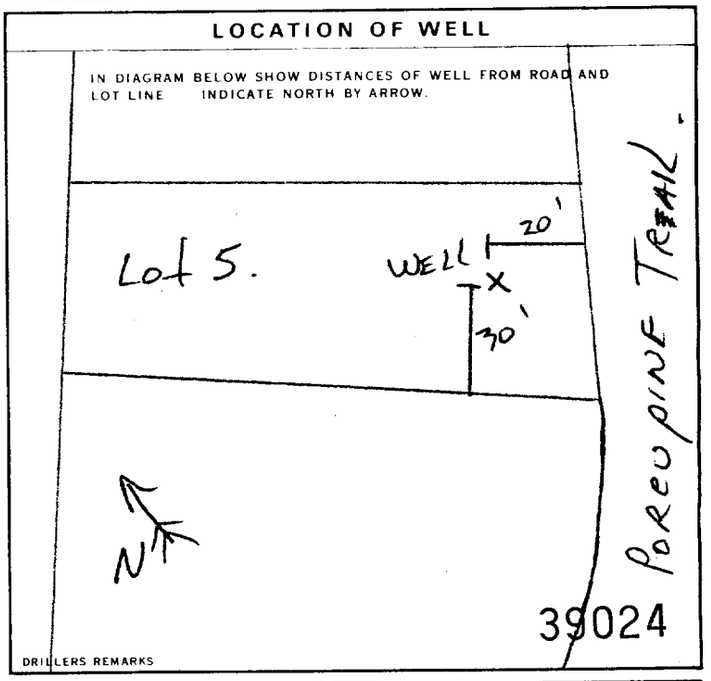
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
10 FEET	20 FEET	1 ☑ PUMPING 2 ☐ RECOVERY	20 FEET	20 FEET	20 FEET	20 FEET

IF FLOWING GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
GPM	25 FEET	1 ☑ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☑ SHALLOW ☐ DEEP	28 FEET	5 GPM

LOCATION OF WELL

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



39024

DRILLERS REMARKS

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

CONTRACTOR

NAME OF WELL CONTRACTOR: VALLEY DRILLING CO LTD — WELL CONTRACTOR'S LICENCE NUMBER: 5222

ADDRESS: PO BOX 437 CARP, ONT

NAME OF WELL TECHNICIAN: B. R. BISSAILLON — WELL TECHNICIAN'S LICENCE NUMBER: T-0190

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

OFFICE USE ONLY

DATA SOURCE — CONTRACTOR: 5222 — DATE RECEIVED: OCT 24 1989

DATE OF INSPECTION — INSPECTOR

REMARKS: CSSIBS

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Ministry of the Environment
Ontario

S.O. 42595

Lot 15 MAY 89

The Ontario Water Resources Act

WATER WELL RECORD

1523881

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

11 TORBOLTON MUNICIP 15018 CON. 5 Sub Lot CON 15 04

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON. BLOCK, TRACT, SURVEY, ETC.	LOT
Ottawa Carleton	Dunrobin	CON 4	~~15~~ 1

OWNER (SURNAME FIRST): GREENSIDE CONST. ADDRESS: 5A CEASAR AVE NEPEAN. DATE COMPLETED: DAY 2 MO 9 YR 88

21 UTM ZONE EASTING NORTHING RC ELEVATION RC BASIN CODE

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
BROWN	CLAY		PACKED	0	16'
GREY	CLAY		MOIST	16'	46'
GREY	SILT	SAND & CLAY LAYERS.	WET FINE	46'	55'
GREY	SAND	BROWN SAND	MED	55'	60'

31

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
56 to 59	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
15-18	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
20-23	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
25-28	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
30-33	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6 1/4	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	0	50'
5 1/2	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	34'	56'
24-25	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			27-30

SCREEN

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

MATERIAL AND TYPE: TELESCOPING STAINLESS STEEL — DEPTH TO TOP OF SCREEN: 56' FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
0	20	CEMENT GROUT.
18-21	22-25	
26-29	30-33	

71 PUMPING TEST

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

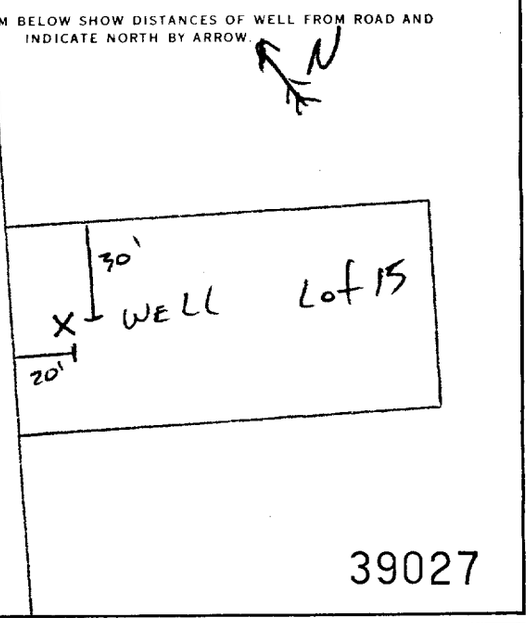
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 1 ☐ PUMPING 2 ☐ RECOVERY			
		15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
10 FEET	20 FEET	20 FEET	20 FEET	20 FEET	20 FEET

IF FLOWING, GIVE RATE: ✓ GPM — PUMP INTAKE SET AT: 25 FEET — WATER AT END OF TEST: 1 ☒ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE: ☒ SHALLOW ☐ DEEP — RECOMMENDED PUMP SETTING: 28 FEET — RECOMMENDED PUMPING RATE: 5 GPM

LOCATION OF WELL

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



DRILLERS REMARKS

39027

FINAL STATUS OF WELL (94)
1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED 9 ☐ DEWATERING

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

METHOD OF CONSTRUCTION (57)
1 ☐ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☒ ROTARY (AIR) 5 ☐ AIR PERCUSSION 6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☒ DRIVING ☐ DIGGING ☐ OTHER

CONTRACTOR

NAME OF WELL CONTRACTOR: VALLEY DRILLING CO. LTD. — WELL CONTRACTOR'S LICENCE NUMBER: 5222

ADDRESS: P.O. Box 437 CARP ONT.

NAME OF WELL TECHNICIAN: D.R. BISSONNETTE — WELL TECHNICIAN'S LICENCE NUMBER: T-0190

SIGNATURE OF TECHNICIAN/CONTRACTOR — SUBMISSION DATE: DAY ___ MO ___ YR ___

OFFICE USE ONLY

DATA SOURCE (58) — CONTRACTOR (59-62): 5222 — DATE RECEIVED (63-66): OCT 24 1989

DATE OF INSPECTION — INSPECTOR

REMARKS

CSS.RS

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Lot 14 MAY 89.

Ministry of the Environment — Ontario

S.O. 42594

The Ontario Water Resources Act

WATER WELL RECORD

1523882

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

11 Torbolton — MUNICIP 15010 — CON. 1 — SUB Lot 14 — 1404

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC.	LOT
OTTAWA, CARLETON	DUNROBIN	CON 4.	14

OWNER (SURNAME FIRST)	ADDRESS	DATE COMPLETED
GREENSIDE CONST.	5A CEASAR AVE NEPEAN.	DAY 2 MO 9 YR 88

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

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
BROWN	CLAY		PACKED	0	16'
GREYISH BLUE	CLAY		MOIST	16'	46'
GREY & BROWN	SAND	SILT	FINE	46'	56'
BROWN	SAND	GREY SILT	FINE	56'	60'

31

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
56 to 59	1 ☑ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6 1/4	1 ☑ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	0	52'
5 1/2	1 ☑ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	34'	56'
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET
8	6	3

MATERIAL AND TYPE: TELESCOPING STAINLESS STEEL — DEPTH TO TOP OF SCREEN: 56' FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
0	20	CEMENT GROUT.

71 PUMPING TEST

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

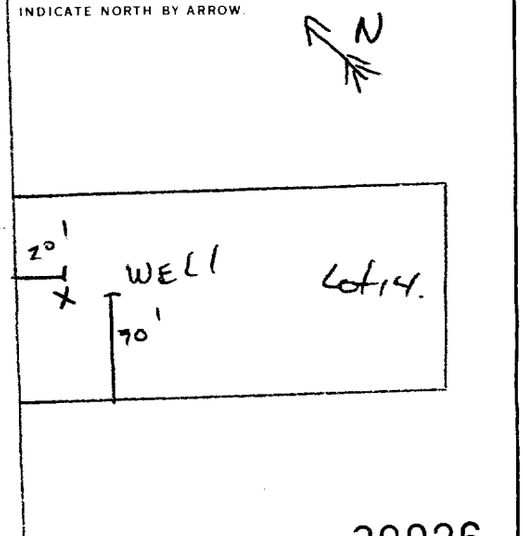
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 1 ☐ PUMPING 2 ☐ RECOVERY	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
10 FEET	20 FEET		70 FEET	20 FEET	20 FEET	20 FEET

IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
/ GPM	25 FEET	1 ☑ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☑ SHALLOW ☐ DEEP	28 FEET	5 GPM

LOCATION OF WELL

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



39026

DRILLERS REMARKS

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

CONTRACTOR

NAME OF WELL CONTRACTOR	WELL CONTRACTOR'S LICENCE NUMBER
WALKER DRILLING CO LTD	5222

ADDRESS: P.O. Box 437 CARP, ONT

NAME OF WELL TECHNICIAN	WELL TECHNICIAN'S LICENCE NUMBER
BILL BISSON	T-0190

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

OFFICE USE ONLY

DATA SOURCE	CONTRACTOR	DATE RECEIVED
	5222	OCT 24 1989

DATE OF INSPECTION — INSPECTOR

REMARKS

CS. FS

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Lot 7 MAY 89

Ministry of the Environment
Ontario

S.O. 42592

The Ontario Water Resources Act

WATER WELL RECORD

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

11 — 1523883 TORBOLTON — MUNICIP 15010 — CON. Sub Lot 94 CON 7

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON, BLOCK, TRACT, SURVEY, ETC	LOT
OTTAWA CARLETON	DUNROBIN	CON 4	7

OWNER (SURNAME FIRST)	ADDRESS	DATE COMPLETED
GREENSIDE CONST.	5A CEASAR AVE NEPEAN.	DAY 31 MO 8 YR 88

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

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
BROWN	CLAY		PACKED	0'	16'
GREYISH BLUE	CLAY		MOIST	16'	68'
GREY	SILT		WET	68'	72'
BROWN	SAND	GREY SAND.	MED	72'	79'
GREY	SAND	SILT	FINE	79'	90'

31

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
72 to 75	1 ☑ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6 1/4	1 ☑ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	0	72'
5 1/2	1 ☑ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	50'	72'
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
8	6 INCHES	3 FEET

MATERIAL AND TYPE: TELESCOPING STAINLESS STEEL — DEPTH TO TOP OF SCREEN: 72' FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD, PACKER, ETC.)
0	25	CEMENT GROUT

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☑ PUMP 2 ☐ BAILER	4 GPM	6 HOURS ____ MINS

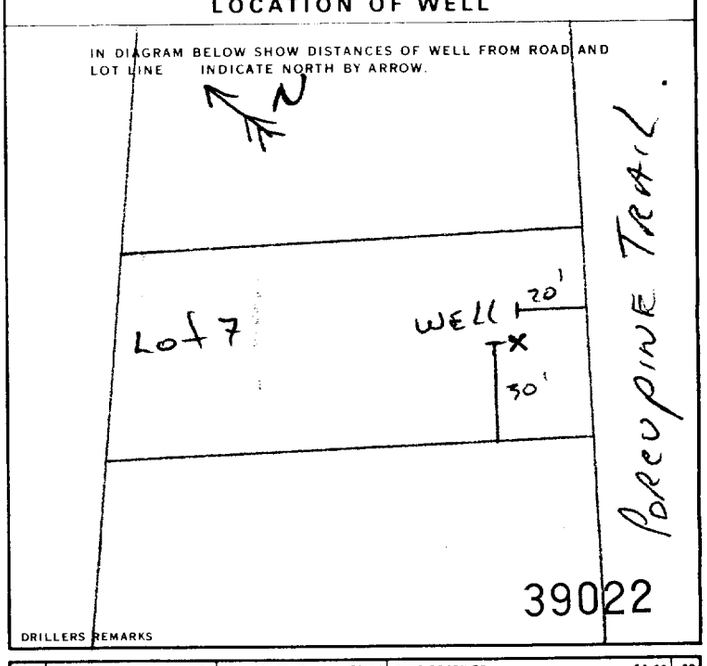
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 1 ☑ PUMPING 2 ☐ RECOVERY	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
11 FEET	69 FEET		69 FEET	69 FEET	69 FEET	69 FEET

IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
GPM	69 FEET	1 ☑ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☐ SHALLOW ☑ DEEP	69 FEET	4. GPM

LOCATION OF WELL

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



DRILLERS REMARKS: 39022

FINAL STATUS OF WELL

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

WATER USE

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

METHOD OF CONSTRUCTION

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

CONTRACTOR

NAME OF WELL CONTRACTOR	WELL CONTRACTOR'S LICENCE NUMBER
VANKEY DRILLING CO. LTD	5222

ADDRESS: P.O. BOX 437 CARP, ONT

NAME OF WELL TECHNICIAN	WELL TECHNICIAN'S LICENCE NUMBER
BILL BISSON	T-0190

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

OFFICE USE ONLY

DATA SOURCE — CONTRACTOR 5222 — DATE RECEIVED OCT 24 1989

DATE OF INSPECTION — INSPECTOR

REMARKS

CSS. RS

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Lot 6 MAY 89

Ministry of the Environment

Ontario

S.O. 42590

The Ontario Water Resources Act

WATER WELL RECORD

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

11 — 1523884 Torbolton — MUNICIP 150 10 — CON 04 Lot 6

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC.	LOT
Ottawa Carleton	Dunrobin	Con 4	1

OWNER (SURNAME FIRST)	ADDRESS	DATE COMPLETED
Greenside Const.	5A Ceasar Ave Nepean	DAY 31 MO 8 YR 88

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

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
Brown	Clay		Packed	0	12'
Greyish Blue	Clay		Moist	12'	70'
Grey	Silt		Wet	70'	81'
Brown	Sand	Gravel.	Med	81'	87'

31

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
82 to 85	1 ☒ FRESH 2 ☐ SALTY — 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY — 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY — 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY — 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY — 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6 1/4	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	0	80'
5 1/2	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	60'	82'
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET
8	6	3

MATERIAL AND TYPE: Telescoping Stainless Steel

DEPTH TO TOP OF SCREEN: 82 FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
0	25	Cement Grout.

71 PUMPING TEST

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

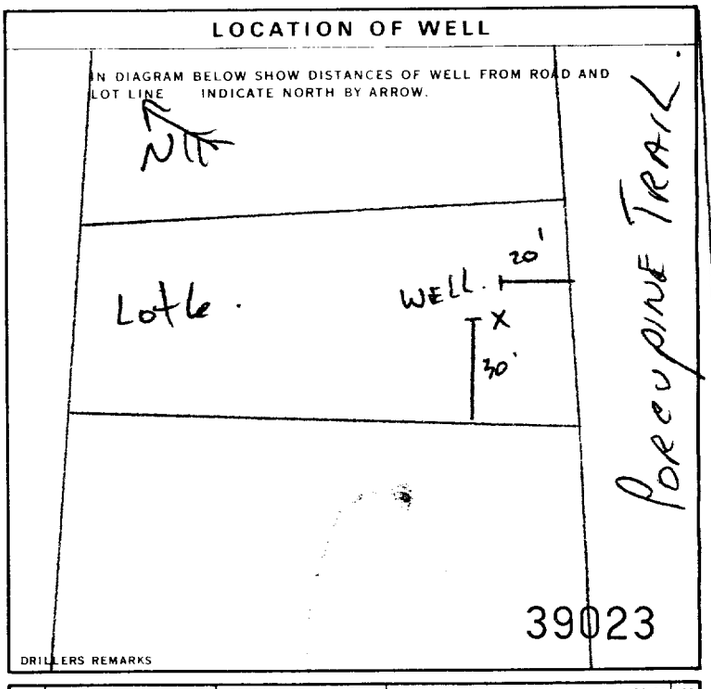
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
10 FEET	50 FEET	1 ☐ PUMPING 2 ☐ RECOVERY	FEET	FEET	FEET	FEET

IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
GPM	50 FEET	1 ☐ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☐ SHALLOW ☒ DEEP	50 FEET	10 GPM

LOCATION OF WELL

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



39023

DRILLERS REMARKS

FINAL STATUS OF WELL

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

WATER USE

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

METHOD OF CONSTRUCTION

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

CONTRACTOR

NAME OF WELL CONTRACTOR: Hawley Drilling Co. Ltd. — WELL CONTRACTOR'S LICENCE NUMBER: 5222

ADDRESS: P.O. Box 437 Carp, Ont

NAME OF WELL TECHNICIAN: Earl Bisson — WELL TECHNICIAN'S LICENCE NUMBER: T-0190

SIGNATURE OF TECHNICIAN/CONTRACTOR

SUBMISSION DATE: DAY — MO — YR —

OFFICE USE ONLY

DATA SOURCE — CONTRACTOR: 5222 — DATE RECEIVED: OCT 24 1989

DATE OF INSPECTION — INSPECTOR

REMARKS

CSS.ES

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

S.O. 87760 · 1523885 · MUNICIP. 15010 · CON. CON 04

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

TOWN McKEE 225-9940

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON. BLOCK, TRACT, SURVEY, ETC.	LOT
[redacted]	DUNROBIN	CON 4	1

[redacted] QUEEN st. Ott. Ont. K1P-6L1

DATE COMPLETED: DAY 26 MO 9 YR 88

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
BROWN	SAND		PACKED.	0	2'
BROWN	SAND	STONES	PACKED	2'	11'
BROWN	~~SAND~~ CLAY	STONES, SAND, SILT	PACKED	11	19'
BROWN	SAND		MED	19'	37'
GREY	SAND		MED, FINE	37	50'

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
37 TO 40	1 ☑ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6 1/4	1 ☑ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	0	33
5 1/2	1 ☑ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	25'	37'
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
8	6 INCHES	3 FEET

MATERIAL AND TYPE: TELESCOPING STAINLESS STEEL — DEPTH TO TOP OF SCREEN: 37 FEET

61 PLUGGING & SEALING RECORD

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

71 PUMPING TEST

PUMPING TEST METHOD: 1 ☑ PUMP 2 ☐ BAILER — PUMPING RATE: 20 GPM — DURATION OF PUMPING: ____ HOURS ____ MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 1 ☑ PUMPING 2 ☐ RECOVERY	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
FEET	25 FEET		25 FEET	25 FEET	25 FEET	25 FEET

IF FLOWING GIVE RATE: ____ GPM — PUMP INTAKE SET AT: 25 FEET — WATER AT END OF TEST: 1 ☑ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE: ☐ SHALLOW ☑ DEEP — RECOMMENDED PUMP SETTING: 25 FEET — RECOMMENDED PUMPING RATE: 15 GPM

LOCATION OF WELL

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

13 ft

DRILLERS REMARKS: 32774

FINAL STATUS OF WELL

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

WATER USE

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

METHOD OF CONSTRUCTION

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

CONTRACTOR

NAME OF WELL CONTRACTOR: VALLEY DRILLING CO LTD — WELL CONTRACTOR'S LICENCE NUMBER: 5222

ADDRESS: P.O. Box 434 CARP, ONT

NAME OF WELL TECHNICIAN: BILL BISSON — WELL TECHNICIAN'S LICENCE NUMBER: T-0190

SIGNATURE OF TECHNICIAN/CONTRACTOR: [signature] — SUBMISSION DATE: DAY ____ MO. ____ YR. ____

OFFICE USE ONLY

DATA SOURCE — CONTRACTOR: 5222 — DATE RECEIVED: OCT 12 1989

DATE OF INSPECTION — INSPECTOR

REMARKS: CSS.ES

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Lot 19 MAY 89. 02058

Ministry of the Environment
Ontario

S.O. 87798.

The Ontario Water Resources Act

WATER WELL RECORD

1523945

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

41 Carlton. MUNICIP 15010 5 CON Con Lot 13 04

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON.	BLOCK, TRACT, SURVEY, ETC.	LOT
[redacted]	WEST CARLTON	4		13

[redacted] 111-223 Colonnade Rd Nepean Ont. DATE COMPLETED DAY 11 MO 3 YR 89

RC ELEVATION RC BASIN CODE

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
BROWN	CLAY		PACKED	0	10'
GREY	CLAY		MOIST	10'	54'
GREY	SILTY SAND		WET, FINE	54	60'
BROWN	SAND		COARSE	60'	70'

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
62 to 65	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6 1/4	1 ☑ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	0	60
5 1/2	1 ☑ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	40'	62
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

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

MATERIAL AND TYPE: STAINLESS STEEL — DEPTH TO TOP OF SCREEN: 62. FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
0	25	CEMENT GROUT

71 PUMPING TEST

PUMPING TEST METHOD: 1 ☑ PUMP 2 ☐ BAILER — PUMPING RATE: 30 GPM — DURATION OF PUMPING: 6 HOURS ___ MINS

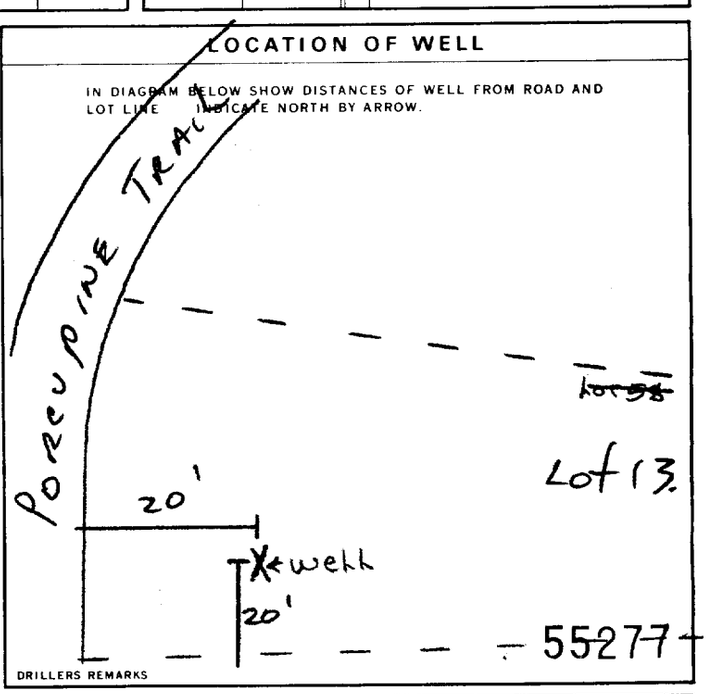
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 1 ☑ PUMPING 2 ☐ RECOVERY	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
5 FEET	50 FEET		FEET	FEET	FEET	FEET

IF FLOWING, GIVE RATE: ___ GPM — PUMP INTAKE SET AT: 50 FEET — WATER AT END OF TEST: 1 ☐ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE: ☐ SHALLOW ☑ DEEP — RECOMMENDED PUMP SETTING: 50 FEET — RECOMMENDED PUMPING RATE: 10 GPM

LOCATION OF WELL

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



DRILLERS REMARKS

FINAL STATUS OF WELL

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

WATER USE

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

METHOD OF CONSTRUCTION

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

CONTRACTOR

NAME OF WELL CONTRACTOR: VALLEY DRILLING CO LTD — WELL CONTRACTOR'S LICENCE NUMBER: 5222

ADDRESS: P.O. Box 437 CARP, ONT

NAME OF WELL TECHNICIAN: Bill Bissett — WELL TECHNICIAN'S LICENCE NUMBER: T-0190

SIGNATURE OF TECHNICIAN/CONTRACTOR — SUBMISSION DATE: DAY ___ MO ___ YR ___

OFFICE USE ONLY

DATA SOURCE — CONTRACTOR: 5222 — DATE RECEIVED: OCT 24 1989

DATE OF INSPECTION — INSPECTOR

REMARKS

CSS. BS

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Lot 12 MAY 89

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

1523946 MUNICIP 15010 CON Sub Lot 12 04

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

11

Torbolton

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON	LOT
OTTAWA, CARLETON	WEST CARLETON	4	1

OWNER (SURNAME FIRST) GREENSIDE Const. ADDRESS Suite 111 - 223 COLONNADE NEPEAN ONT. DATE COMPLETED DAY 14 MO 03 YR 89

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

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
BROWN	CLAY		PACKED	0	8'
GREY	CLAY		MOIST	8	37'
GREY	SAND	SOME SILT LAYERS.	MED.	37	50'

31

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
45 to 48.	2 SALTY

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6¼	1 STEEL	.188	0	40
5½	1 STEEL	.188	23'	45

SCREEN

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

MATERIAL AND TYPE: STAINLESS STEEL — DEPTH TO TOP OF SCREEN: 45 FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
0	25	CEMENT GROUT.

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 PUMP 2 BAILER	25 GPM	6 HOURS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
7 FEET	28 FEET	1 PUMPING 2 RECOVERY	18 FEET	18 FEET	18 FEET	18 FEET

IF FLOWING, GIVE RATE: GPM

PUMP INTAKE SET AT: 25 FEET

WATER AT END OF TEST: 1 CLEAR 2 CLOUDY

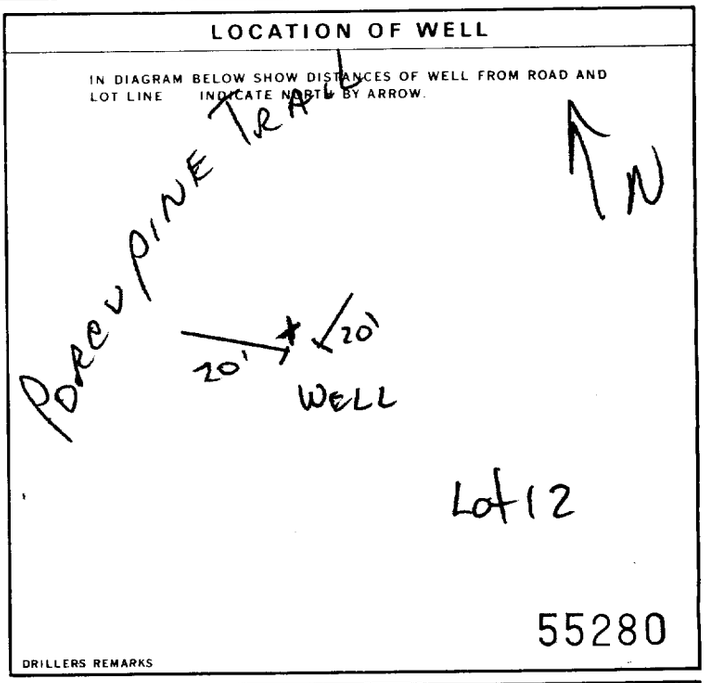
RECOMMENDED PUMP TYPE: SHALLOW DEEP

RECOMMENDED PUMP SETTING: 25 FEET

RECOMMENDED PUMPING RATE: 10 GPM

LOCATION OF WELL

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



55280

DRILLERS REMARKS

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

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

METHOD OF CONSTRUCTION 57: 1 ☐ CABLE TOOL; 2 ☐ ROTARY (CONVENTIONAL); 3 ☐ ROTARY (REVERSE); 4 ☑ ROTARY (AIR); 5 ☐ AIR PERCUSSION; 6 ☐ BORING; 7 ☐ DIAMOND; 8 ☐ JETTING; 9 ☐ DRIVING; ☐ DIGGING; ☐ OTHER

CONTRACTOR

NAME OF WELL CONTRACTOR: VALLEY DRILLING CO. LTD. — WELL CONTRACTOR'S LICENCE NUMBER: 5222

ADDRESS: PO Box 437 CARP, ONT

NAME OF WELL TECHNICIAN: BILL BISSON — WELL TECHNICIAN'S LICENCE NUMBER: T-0190

SIGNATURE OF TECHNICIAN/CONTRACTOR: Bill Bisson — SUBMISSION DATE: DAY ____ MO ____ YR. ____

OFFICE USE ONLY

DATA SOURCE 58 | CONTRACTOR 59-62: 5222 | DATE RECEIVED 63-66: OCT 24 1989

DATE OF INSPECTION | INSPECTOR

REMARKS

CSS.GS

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Lot 11 May 89.

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

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

11 | 1523947 | Torbolton | MUNICIP 15010 | CON 5 | Lot 11 04

COUNTY OR DISTRICT: [redacted]

TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: [redacted] EST CARLETON

CON, BLOCK, TRACT, SURVEY, ETC: 4

LOT: 1

[redacted] TE 111 - 223 COLONNADE NEPEAN ONT.

DATE COMPLETED: DAY 15 MO 03 YR 89

RC | ELEVATION | RC | BASIN CODE

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
BROWN	CLAY		PACKED.	0	11'
GREY	CLAY	BLUE CLAY	MOIST	11'	~~40~~ 38'
GREY	SAND.		MED, FINE	~~38~~ 38'	45'

31

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
39 to 42.	1 ☒ FRESH 2 ☐ SALTY; 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY; 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY; 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY; 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY; 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6 1/4	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	0	36
5 1/2	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188 .17	39	
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

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

MATERIAL AND TYPE: STAINLESS STEEL

DEPTH TO TOP OF SCREEN: 39. FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
0	25	CEMENT GROUT.

71 PUMPING TEST

PUMPING TEST METHOD: 1 ☒ PUMP 2 ☐ BAILER

PUMPING RATE: 5 GPM

DURATION OF PUMPING: 6 HOURS ____ MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 1 ☐ PUMPING 2 ☐ RECOVERY			
		15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
6 FEET	35 FEET	35 FEET	35 FEET	35 FEET	35 FEET

IF FLOWING, GIVE RATE: ____ GPM

PUMP INTAKE SET AT: 40 FEET

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

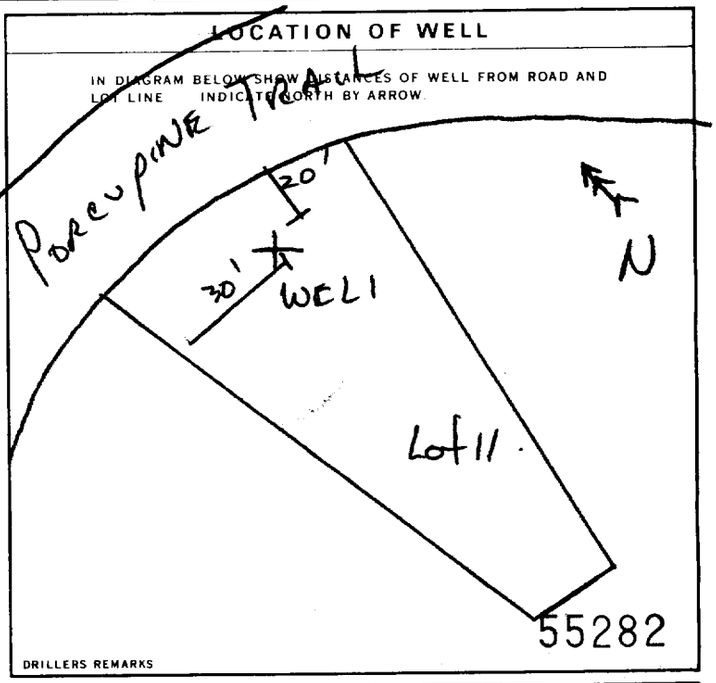
RECOMMENDED PUMP TYPE: ☐ SHALLOW ☒ DEEP

RECOMMENDED PUMP SETTING: 40 FEET

RECOMMENDED PUMPING RATE: 4 GPM

LOCATION OF WELL

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



DRILLERS REMARKS

FINAL STATUS OF WELL

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

WATER USE

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

METHOD OF CONSTRUCTION

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

CONTRACTOR

NAME OF WELL CONTRACTOR: VALLEY DRILLING CO LTD

WELL CONTRACTOR'S LICENCE NUMBER: 5222

ADDRESS: P.O Box 437 CARP ONT

NAME OF WELL TECHNICIAN: B. [redacted] BISSAIL

WELL TECHNICIAN'S LICENCE NUMBER: T-0190

SIGNATURE OF TECHNICIAN/CONTRACTOR: [signature]

SUBMISSION DATE: DAY ____ MO. ____ YR. ____

OFFICE USE ONLY

DATA SOURCE

CONTRACTOR: 5222

DATE RECEIVED: OCT 24 1989

DATE OF INSPECTION

INSPECTOR

REMARKS

CSS. RS

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Lot 9 M4789.

Ministry of the Environment
Ontario

S.O. 69751.

The Ontario Water Resources Act 4M7

WATER WELL RECORD

1523948

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

17 Torbolton. MUNICIP 1,5,0,1 OPEN OLD Lot 9 NEW Lot 1 PAR 04

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON, BLOCK, TRACT, SURVEY, ETC	LOT
Ottawa, Carleton	West Carleton.	4 Lot 1	9 1

OWNER (SURNAME FIRST)	ADDRESS	DATE COMPLETED
Greenside Const.	Suite 111 - 223 Colonnade Rd Nepean Ont.	DAY 13 MO 3 YR 89

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

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
Brown	Clay		Packed	0'	16'
Grey	Clay		Moist	16'	57'
Brown	Sand	Grey Sand	Med.	57	70'

31

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
60 to 65	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6 1/4	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	0	57
5 1/2	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	38'	60'
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

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

MATERIAL AND TYPE: Stainless Steel

DEPTH TO TOP OF SCREEN: 60 FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
0	25	Cement Grout.

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☒ PUMP 2 ☐ BAILER	50 GPM	6 HOURS ____ MINS

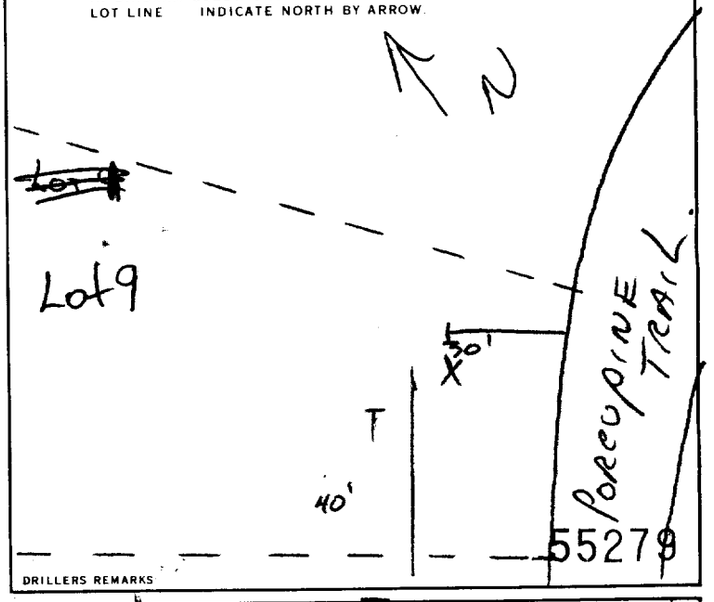
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING (1 ☐ PUMPING 2 ☐ RECOVERY)	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
10 FEET	20 FEET		20 FEET	20 FEET	20 FEET	20 FEET

IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
GPM	25 FEET	1 ☒ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☒ SHALLOW ☐ DEEP	25 FEET	10 GPM

LOCATION OF WELL

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



DRILLERS REMARKS

FINAL STATUS OF WELL

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

WATER USE

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

METHOD OF CONSTRUCTION

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

CONTRACTOR

NAME OF WELL CONTRACTOR: Valley Drilling Co. Ltd
WELL CONTRACTOR'S LICENCE NUMBER: 5222
ADDRESS: P.O. Box 437 Carp, Ont
NAME OF WELL TECHNICIAN: Bill Bissonnette
WELL TECHNICIAN'S LICENCE NUMBER: T-0190
SIGNATURE OF TECHNICIAN/CONTRACTOR
SUBMISSION DATE: DAY ____ MO. ____ YR. ____

OFFICE USE ONLY

DATA SOURCE
CONTRACTOR: 5222
DATE RECEIVED: OCT 24 1989
DATE OF INSPECTION
INSPECTOR
REMARKS

CS; ES

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Lot 10 MAY 89.

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

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

11 — 1523949 TORBOLTON — MUNICIP 15010 — CON. CON 5 W Lot 1004

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON ~~BLOCK, TRACT, SURVEY, ETC~~	LOT
OTTAWA CARLETON	WEST CARLETON	4	01

OWNER (SURNAME FIRST)	ADDRESS	DATE COMPLETED
GREENSIDE CONST.	SUITE 111 - 273 COLONNADE ONT. NEPEAN	DAY 15 MO 03 YR 89

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

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
BROWN	CLAY		PACKED.	0'	13'
GREY	CLAY		MOIST	13'	57
BROWN	SAND.	GREY SAND.	MED.	57	68'

31

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
63 66	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6 1/4	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	0	60
5 1/2	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	41'	63
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

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

MATERIAL AND TYPE: STAINLESS STEEL. — DEPTH TO TOP OF SCREEN: 63 FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
0	25	CEMENT GROUT

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☒ PUMP 2 ☐ BAILER	4 GPM	6 HOURS ____ MINS

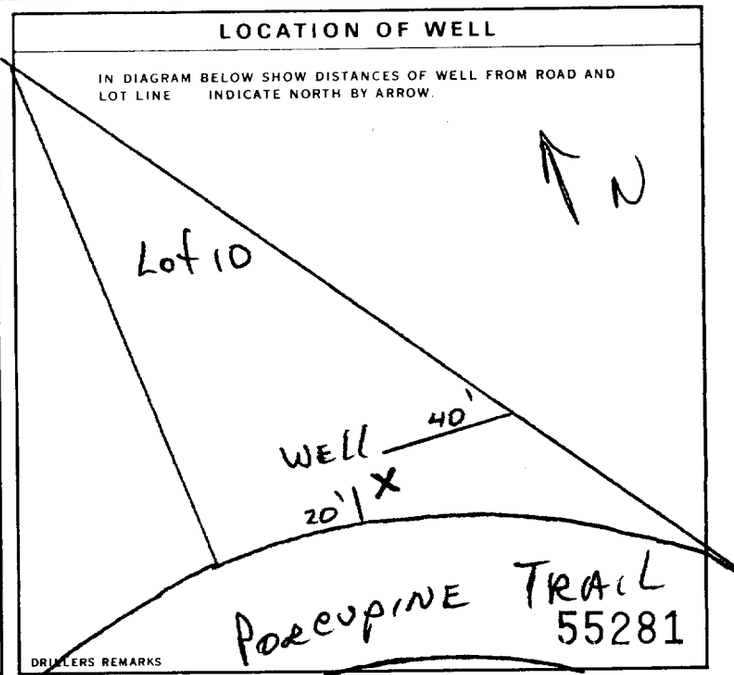
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 1 ☒ PUMPING 2 ☐ RECOVERY	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
5 FEET	55 FEET		55 FEET	55 FEET	55 FEET	55 FEET

IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
GPM	60 FEET	1 ☐ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☐ SHALLOW ☒ DEEP	60 FEET	4 GPM

LOCATION OF WELL

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



DRILLERS REMARKS

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

CONTRACTOR

NAME OF WELL CONTRACTOR: VALLEY DRILLING CO LTD — WELL CONTRACTOR'S LICENCE NUMBER: 5222

ADDRESS: P.O. BOX 437 CARP, ONT

NAME OF WELL TECHNICIAN: BILL BISSONNETTE — WELL TECHNICIAN'S LICENCE NUMBER: T-0190.

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

OFFICE USE ONLY

DATA SOURCE — CONTRACTOR: 5222 — DATE RECEIVED: OCT 24 1989

DATE OF INSPECTION — INSPECTOR

REMARKS

CSS-ES

FORM NO. 0506 (11/86) FORM 9

MINISTRY OF THE ENVIRONMENT COPY

Lot 8 MAY 89.

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

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

1523950 | 11 | Torbolton | MUNICIP 15010 | CON 5 & 6 Lot 8 & 4

COUNTY OR DISTRICT: [redacted] | TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: West Carlton | CON, BLOCK, TRACT, SURVEY, ETC: 4 | LOT: ~~55~~ 1

[redacted] 111 273 Colonnade Nepean Ont | DATE COMPLETED: DAY 13 MO 3 YR 89

RC | ELEVATION | RC | BASIN CODE

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
Brown	Clay		Packed	0	15'
Grey	Clay		Moist	15'	67'
Grey	Sand	Some layers of Silt	Wet.	67'	72'

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
69 to 72	1 ☑ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6/4	1 ☑ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	0	67
5 1/2	1 ☑ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	417	69
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

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

MATERIAL AND TYPE: STAINLESS | DEPTH TO TOP OF SCREEN: 69 FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
0	25	Cement Grout

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☑ PUMP 2 ☐ BAILER	4 GPM	6 HOURS ___ MINS

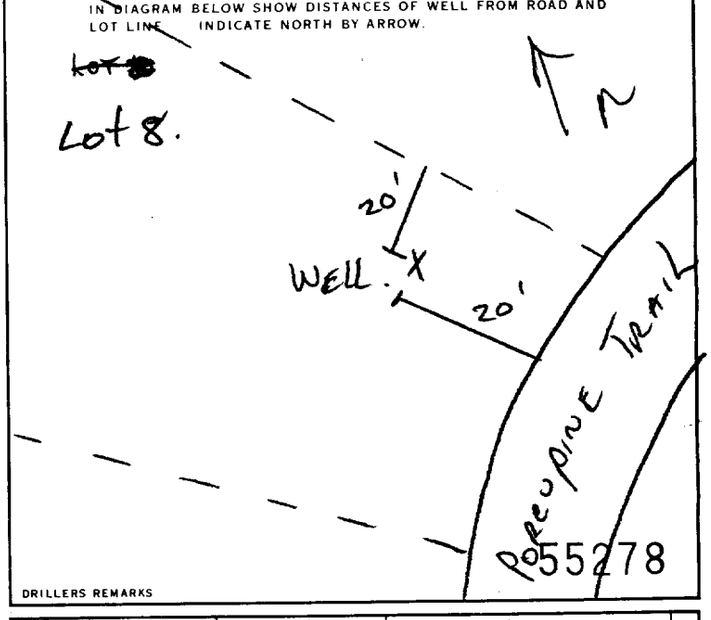
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING (1 ☐ PUMPING 2 ☐ RECOVERY)	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
11 FEET	69 FEET		69 FEET	69 FEET	69 FEET	69 FEET

IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
GPM	69 FEET	1 ☑ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☐ SHALLOW ☑ DEEP	69 FEET	4 GPM

LOCATION OF WELL

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



DRILLERS REMARKS

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

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

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

CONTRACTOR

NAME OF WELL CONTRACTOR: Valley Drilling Co Ltd | WELL CONTRACTOR'S LICENCE NUMBER: 5222
ADDRESS: P.O. Box 437 Carp, Ont
NAME OF WELL TECHNICIAN: Bill Bissonnette | WELL TECHNICIAN'S LICENCE NUMBER: T-0190
SIGNATURE OF TECHNICIAN/CONTRACTOR | SUBMISSION DATE: DAY ___ MO ___ YR ___

OFFICE USE ONLY

DATA SOURCE | CONTRACTOR 5222 | DATE RECEIVED OCT 24 1989
DATE OF INSPECTION | INSPECTOR
REMARKS

CSS: fs

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

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

11 — 1524228 — MUNICIP 15010 — CON. CON. 5 11 93

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC.	LOT
Ottawa Carleton	Dunrobin ~~Eastern~~ Torbolton	Con 3 ~~Lot 7~~ Casey Creek Subdivision	1 ~~10~~ Sub Lot

OWNER (SURNAME FIRST)	ADDRESS	DATE COMPLETED
Wainman Realty	409-119 Queen St. Ott. Ont.	DAY 28 MO 9 YR 89

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

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
Brown	Clay		Packed	0	13'
Grey	Clay		Moist	13'	30'
Brown	Sand	Gravel	Coarse	30'	50'
Grey	Sand	Some Gravel	Med	50'	67'

31

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
63'+66	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6 1/4	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	0	60'
5 1/2	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	52'	63'
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
10	6 INCHES	3 FEET

MATERIAL AND TYPE: Stainless — DEPTH TO TOP OF SCREEN: 63' FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER, ETC.)
0	20	Cement.

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☒ PUMP 2 ☐ BAILER	25 GPM	2 HOURS ___ MINS

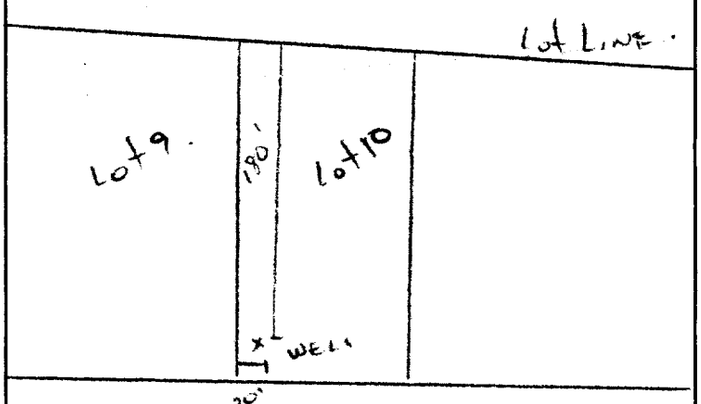
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING (1 ☐ PUMPING 2 ☐ RECOVERY)	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
16 FEET	20 FEET		20 FEET	20 FEET	20 FEET	20 FEET

IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
GPM	25 FEET	1 ☒ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☒ SHALLOW ☐ DEEP	25 FEET	10 GPM

LOCATION OF WELL

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



Galway Rd

59236

DRILLERS REMARKS

FINAL STATUS OF WELL

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

WATER USE

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

METHOD OF CONSTRUCTION

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

CONTRACTOR

NAME OF WELL CONTRACTOR	WELL CONTRACTOR'S LICENCE NUMBER
Valley Drilling Inc	5222

ADDRESS	
PO Box 437 Carp, Ont	

NAME OF WELL TECHNICIAN	WELL TECHNICIAN'S LICENCE NUMBER
Bill Bissett	T-0190.

SIGNATURE OF TECHNICIAN/CONTRACTOR	SUBMISSION DATE
	DAY ___ MO. ___ YR. ___

OFFICE USE ONLY

DATA SOURCE	CONTRACTOR	DATE RECEIVED
	5222	JAN 18 1990

DATE OF INSPECTION — INSPECTOR

REMARKS

CSS. CS

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Ministry of the Environment
Ontario

S.O. 55898

The Ontario Water Resources Act

WATER WELL RECORD

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

11 | 1524230 | MUNICIP 15010 | CON. CON. 5 | LOT 1 2 | 03

COUNTY OR DISTRICT [redacted] | TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE Tarbolton Fit 2 ROV | CON, BLOCK, TRACT, SURVEY, ETC. (3) Lot 2 | LOT 1 2 Sub lot

[redacted]-119 QUEEN St Ont-Ont Casey creek subdivision | DATE COMPLETED DAY 31 MO 7 YR 89

BEARING | RC | ELEVATION | RC | BASIN CODE | II | III | IV

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
BROWN	CLAY		PACKED	0	11'
GREY	CLAY		MOIST	11'	39'
BROWN	SAND	GREY SAND	MED, FINE	39'	50'

31

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
42 40 45	1 ☑ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
15-18	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
20-23	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
25-28	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
30-33	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6 1/4	1 ☑ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	0	40
5 1/2	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☑ PLASTIC	.188	20'	42'
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
8	6 INCHES	3 FEET

MATERIAL AND TYPE: STAINLESS STEEL | DEPTH TO TOP OF SCREEN: 42 FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER, ETC.)
0	20	CEMENT.

71 PUMPING TEST

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

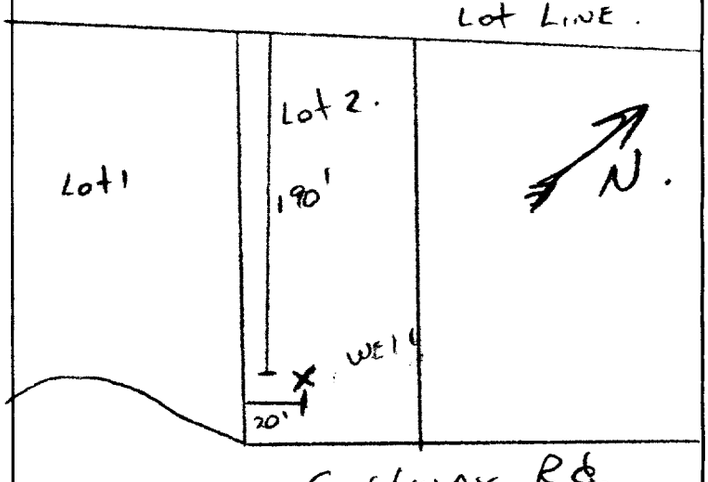
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING (1 ☑ PUMPING 2 ☐ RECOVERY)	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
FEET	20 FEET		20 FEET	20 FEET	20 FEET	20 FEET

IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
GPM	30 FEET	1 ☐ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☑ SHALLOW ☐ DEEP	30 FEET	10 GPM

LOCATION OF WELL

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



59190

DRILLERS REMARKS

FINAL STATUS OF WELL

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

WATER USE

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

METHOD OF CONSTRUCTION

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

CONTRACTOR

NAME OF WELL CONTRACTOR: VALLEY DRILLING INC | WELL CONTRACTOR'S LICENCE NUMBER: 5222

ADDRESS: PO Box 4137 CARP, ONT

NAME OF WELL TECHNICIAN: SASKATOON Tel 838 Bill Rissan | WELL TECHNICIAN'S LICENCE NUMBER: T-0190

SIGNATURE OF TECHNICIAN/CONTRACTOR | SUBMISSION DATE DAY ____ MO. ____ YR. ____

OFFICE USE ONLY

DATA SOURCE | CONTRACTOR 5222 | DATE RECEIVED JAN 18 1990

DATE OF INSPECTION | INSPECTOR

REMARKS: CSS-GS

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FORM NO. 0506 (11/86) FORM 9

Ministry of the Environment
Ontario

50.55897

The Ontario Water Resources Act

WATER WELL RECORD

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

11 — 1524231 HR — MUNICIP 15010 — CON. C.O.N. — LOT 1 — 03

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON	LOT
OTTAWA, CARLETON	~~DUNROBIN~~ TORBOLTON FITZROY	3 ~~EOR~~ HR	1

OWNER (SURNAME FIRST): WAINMAN REALTY

ADDRESS: 409-119 QUEEN ST off ONT — Casey Creek Subdivision HR

DATE COMPLETED: DAY ___ MO ___ YR ___

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

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
BROWN	CLAY		PACKED	0	13'
GREY	CLAY		MOIST	13'	36'
BROWN	SAND	GREY SAND	MED	36'	55'

31 — 32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
44 to 47	1 ☒ FRESH 2 ☐ SALTY — 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY — 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY — 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY — 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY — 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6 1/4	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	0	44
5 1/2	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	29'	44
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
8	6 INCHES	3 FEET

MATERIAL AND TYPE: STAINLESS STEEL

DEPTH TO TOP OF SCREEN: 44 FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
0	20	CEMENT.

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☒ PUMP 2 ☐ BAILER	15 GPM	2 HOURS ___ MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
FEET	20 FEET	1 ☒ PUMPING 2 ☐ RECOVERY	20 FEET	20 FEET	20 FEET	20 FEET

IF FLOWING, GIVE RATE: ___ GPM

PUMP INTAKE SET AT: 30 FEET

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

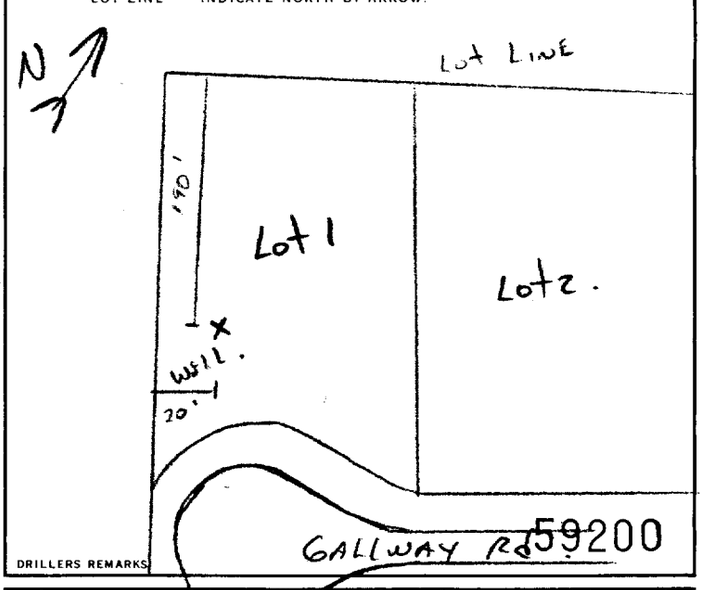
RECOMMENDED PUMP TYPE: ☒ SHALLOW ☐ DEEP

RECOMMENDED PUMP SETTING: 30 FEET

RECOMMENDED PUMPING RATE: 8 GPM

LOCATION OF WELL

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



DRILLERS REMARKS

FINAL STATUS OF WELL

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

WATER USE

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

METHOD OF CONSTRUCTION

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

CONTRACTOR

NAME OF WELL CONTRACTOR: VALLEY DRILLING INC

WELL CONTRACTOR'S LICENCE NUMBER: 5222

ADDRESS: PO BOX 437 CARP, ONT

NAME OF WELL TECHNICIAN: Bill Bissaud

WELL TECHNICIAN'S LICENCE NUMBER: T-0190

SIGNATURE OF TECHNICIAN/CONTRACTOR

SUBMISSION DATE: DAY ___ MO ___ YR ___

OFFICE USE ONLY

DATA SOURCE — CONTRACTOR — DATE RECEIVED: JAN 18 1990

DATE OF INSPECTION — INSPECTOR: 5222

REMARKS: CSS. RS

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FORM NO. 0506 (11/86) FORM 9

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

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

11 — 1524232 — MUNICIP 15010 — CON. C.O.N. — LOT 03 5½6 Lot 9

COUNTY OR DISTRICT: Ottawa Carleton
TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: ~~Torbolton~~ ~~Fourbo Forest~~
CON: 3
BLOCK, TRACT, SURVEY, ETC.: ~~Lot 2~~
LOT: 9
OWNER (SURNAME FIRST): Wachman Realty
ADDRESS: 409-119 Queen St Ott ~~KOJ~~
DATE COMPLETED: DAY 20 MO 09 YR 89

21 — UTM ZONE — EASTING — NORTHING — RC. — ELEVATION — RC. — BASIN CODE (I, II, III, IV)

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
		Previously Drilled		0	50
Brown & Grey	Sand	Silt	Fine, Med	50	66

31
32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
63+66.	1 ☑ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6¼	1 ☑ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	0	63
5½	1 ☑ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC		50	63
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
10	6 INCHES	3 FEET

MATERIAL AND TYPE: Stainless Steel
DEPTH TO TOP OF SCREEN: 63 FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER ETC.)
0	20	Cement Grout

71 PUMPING TEST

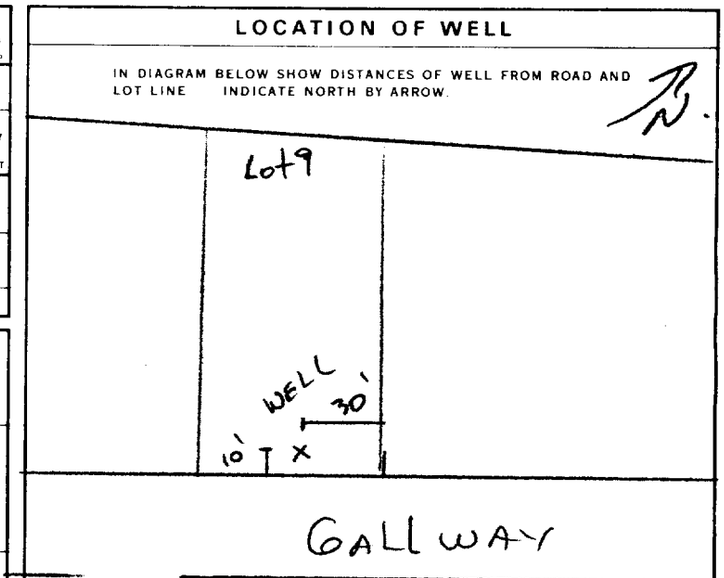
PUMPING TEST METHOD: 1 ☑ PUMP 2 ☐ BAILER
PUMPING RATE: 6 GPM
DURATION OF PUMPING: 2 HOURS ___ MINS
WATER LEVELS DURING: 1 ☑ PUMPING 2 ☐ RECOVERY

STATIC LEVEL	WATER LEVEL END OF PUMPING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
15 FEET	35 FEET	35 FEET	35 FEET	35 FEET	35 FEET

IF FLOWING, GIVE RATE: ___ GPM
PUMP INTAKE SET AT: 40 FEET
WATER AT END OF TEST: 1 ☑ CLEAR 2 ☐ CLOUDY
RECOMMENDED PUMP TYPE: ☐ SHALLOW ☑ DEEP
RECOMMENDED PUMP SETTING: 40 FEET
RECOMMENDED PUMPING RATE: 4 GPM

LOCATION OF WELL

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



GALLWAY

DRILLERS REMARKS: 59230

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

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

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

CONTRACTOR

NAME OF WELL CONTRACTOR: Valley Drilling
WELL CONTRACTOR'S LICENCE NUMBER: 5222
ADDRESS: P.O. Box 437 Kars Ont
NAME OF WELL TECHNICIAN: Bill Bisson
WELL TECHNICIAN'S LICENCE NUMBER: T0190
SIGNATURE OF TECHNICIAN/CONTRACTOR: Bill Bisson
SUBMISSION DATE: DAY ___ MO ___ YR. ___

OFFICE USE ONLY

DATA SOURCE 58
CONTRACTOR 59-62: 5222
DATE RECEIVED 63-68: JAN 18 1990
DATE OF INSPECTION
INSPECTOR
REMARKS
CSS.RS

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

The Ontario Water Resources Act

WATER WELL RECORD

1524240

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

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON	BLOCK, TRACT, SURVEY, ETC.	LOT
Ottawa Carleton	~~FERGUS~~ Torbolton	Con 3	Cagey Creek Subdiv	16

OWNER (SURNAME FIRST)	ADDRESS	DATE COMPLETED
Wainman Realty	409-1190 Queen st Ott. Ont	DAY ___ MO ___ YR. ___

UTM: ZONE | EASTING | NORTHING | RC | ELEVATION | RC | BASIN CODE (I, II, III, IV)

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
Brown	Sand		Fine	0	23'
Brown	Sand		Med	23	35'

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
29 to 32	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6 1/4	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	0	28
5 1/2	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	~~0~~	29
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
8	6 INCHES	3 FEET

MATERIAL AND TYPE: Stainless Steel — DEPTH TO TOP OF SCREEN: 29 FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
0	20	Cement

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☒ PUMP 2 ☐ BAILER	7 GPM	2 HOURS ___ MINS

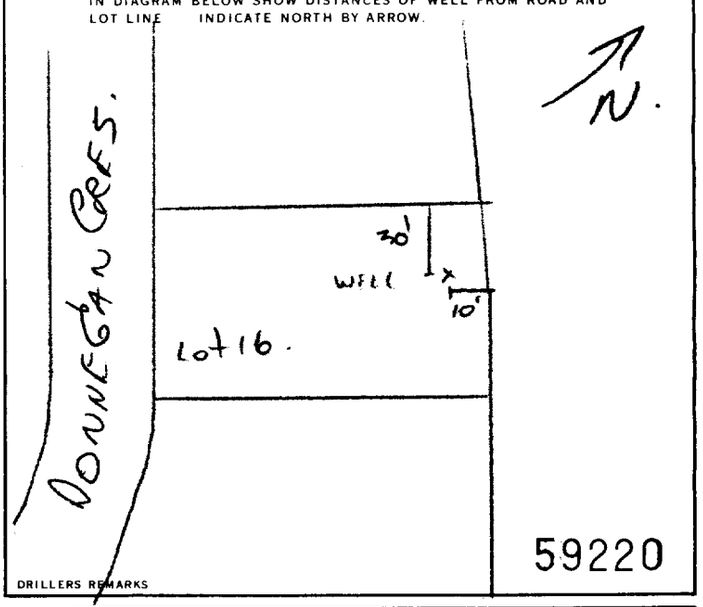
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
FEET	20 FEET	1 ☐ PUMPING 2 ☐ RECOVERY	20 FEET	20 FEET	20 FEET	20 FEET

IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
GPM	25 FEET	1 ☐ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☐ SHALLOW ☐ DEEP	25 FEET	6 GPM

LOCATION OF WELL

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



DRILLERS REMARKS

59220

FINAL STATUS OF WELL

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

WATER USE

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

METHOD OF CONSTRUCTION

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

CONTRACTOR

NAME OF WELL CONTRACTOR	WELL CONTRACTOR'S LICENCE NUMBER
Valley Drilling	5222

ADDRESS	
P.O. Box 1137 Carp Ont	

NAME OF WELL TECHNICIAN	WELL TECHNICIAN'S LICENCE NUMBER
Billy Bisson	T0190

SIGNATURE OF TECHNICIAN/CONTRACTOR: Bill Bisson — SUBMISSION DATE: DAY ___ MO. ___ YR. ___

OFFICE USE ONLY

DATA SOURCE | CONTRACTOR 5222 | DATE RECEIVED JAN 16 1990

DATE OF INSPECTION | INSPECTOR

REMARKS: CSS. BS

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

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

11 (1 2) — 1524260 — MUNICIP (10-14) 1501 0 — CON. (15) CON — LOT (25-27) 1

COUNTY OR DISTRICT: [redacted] OTTAWA CARLETON
TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: CONSTANCE BAY
CON: 3 · LOT: 13
K26-3W9
2 WOODFIELD DR NEPEAN ONT
DATE COMPLETED (48-53): DAY 3 MO 11 YR 89

RC (24-25) — ELEVATION (26) — RC (30) — BASIN CODE (31): II III IV

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
BROWN	SAND.		PACKED.	0	23'
GREY	SAND		PACKED.	23'	55'

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

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
50 to 53	1 ☒ FRESH 2 ☐ SALTY — 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY — 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY — 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY — 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY — 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6 1/4	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	0	114
5 1/2	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	39'	50'
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
8	6 INCHES	3 FEET

MATERIAL AND TYPE: STAINLESS STEEL
DEPTH TO TOP OF SCREEN: 50 FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD, PACKER, ETC.)
0	20	Cement grout

71 PUMPING TEST

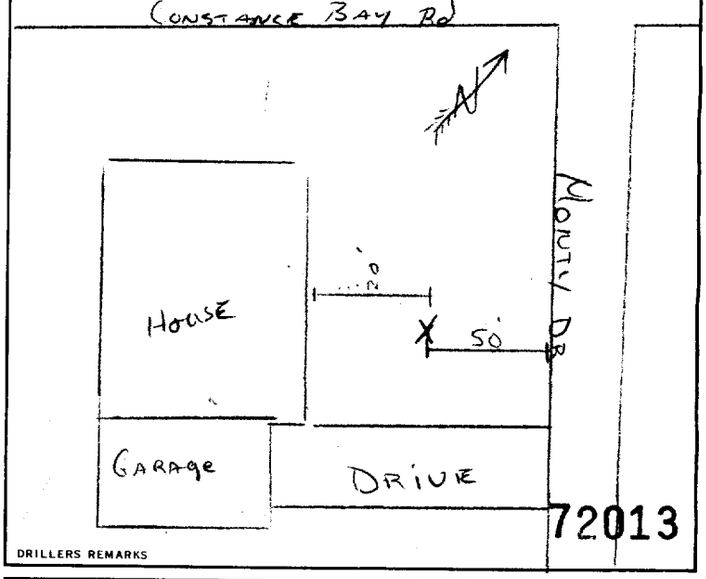
PUMPING TEST METHOD: 1 ☒ PUMP 2 ☐ BAILER — PUMPING RATE: 15 GPM — DURATION OF PUMPING: 2 HOURS ___ MINS

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

IF FLOWING, GIVE RATE: ___ GPM
PUMP INTAKE SET AT: 45 FEET
WATER AT END OF TEST: 1 ☒ CLEAR 2 ☐ CLOUDY
RECOMMENDED PUMP TYPE: ☐ SHALLOW ☒ DEEP
RECOMMENDED PUMP SETTING: 45 FEET
RECOMMENDED PUMPING RATE: 10 GPM

LOCATION OF WELL

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



72013

DRILLERS REMARKS

FINAL STATUS OF WELL

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

WATER USE

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

METHOD OF CONSTRUCTION

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

CONTRACTOR

NAME OF WELL CONTRACTOR: VALLEY DRILLING INC
WELL CONTRACTOR'S LICENCE NUMBER: 5222
ADDRESS: P.O. BOX 437 CARP ONT
NAME OF WELL TECHNICIAN: BILL BISSON
WELL TECHNICIAN'S LICENCE NUMBER: T-0190
SIGNATURE OF TECHNICIAN/CONTRACTOR: Bill Bisson
SUBMISSION DATE: DAY ___ MO ___ YR ___

OFFICE USE ONLY

DATA SOURCE — CONTRACTOR: 5222 — DATE RECEIVED: JAN 16 1990
DATE OF INSPECTION — INSPECTOR
REMARKS

CSS, GS

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Ministry of the Environment
Ontario

S.O. 55766

The Ontario Water Resources Act

WATER WELL RECORD

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

11 — 1524582 Torbolton Twp — MUNICIP 15001 — CON. CON. 5 — LOT 16 — 03

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON ~~BLOCK, TRACT, SURVEY, ETC.~~	LOT	DATE COMPLETED
OTTAWA CARLETON	DUNROBIN ~~Fitzroy~~	3 ~~LOT 2~~	16 Sub Lot	DAY ____ MO ____ YR ____

OWNER (SURNAME FIRST)	ADDRESS
WAINMAN REALTY	409-119 QUEEN ST OTTAWA ONT

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

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
BROWN	CLAY		PACKED	0	11'
GREY	CLAY		PACKED	11	28'
BROWN	SAND	GRAVEL LAYERS	MED	28'	65'
GREY	SAND	BROWN SAND	MED	65'	75'

31

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
69+072	1 ☑ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6 1/4	1 ☑ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	~~.188~~ .188	0	67
5 1/2	1 ☑ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	47'	69
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
10	6 INCHES	3 FEET

MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN
STAINLESS STEEL	69 FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
0	20	CEMENT

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☑ PUMP 2 ☐ BAILER	50 GPM	2 HOURS ____ MINS

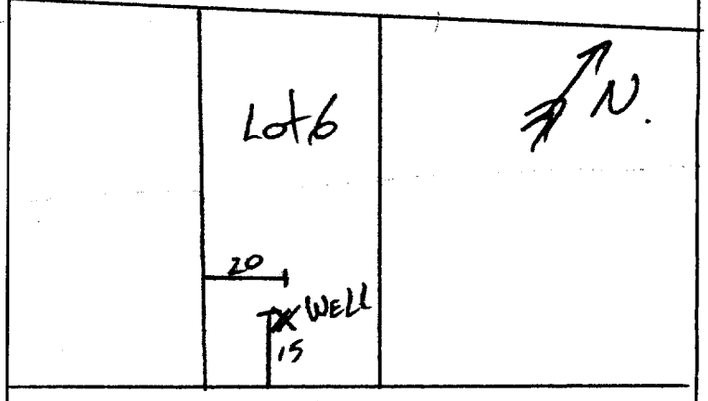
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 1 ☐ PUMPING 2 ☐ RECOVERY	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
FEET	25 FEET		25 FEET	25 FEET	25 FEET	25 FEET

IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
GPM	35 FEET	1 ☑ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☐ SHALLOW ☑ DEEP	35 FEET	GPM

LOCATION OF WELL

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



DRILLERS REMARKS: 59199

FINAL STATUS OF WELL

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

WATER USE

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

METHOD OF CONSTRUCTION

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

CONTRACTOR

NAME OF WELL CONTRACTOR	WELL CONTRACTOR'S LICENCE NUMBER
VALLEY DRILLING INC	5222

ADDRESS	
P.O. Box 437 CARP, ONT	

NAME OF WELL TECHNICIAN	WELL TECHNICIAN'S LICENCE NUMBER
BILL DAWSON	T-0190

SIGNATURE OF TECHNICIAN/CONTRACTOR	SUBMISSION DATE
	DAY ____ MO ____ YR ____

OFFICE USE ONLY

DATA SOURCE	CONTRACTOR	DATE RECEIVED
	5222	JUN 21 1990

DATE OF INSPECTION	INSPECTOR

REMARKS: CSG. 525

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

OTTAWA-CARLETON

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

11 (1 2) — 1526087 — MUNICIP. 15006 (10 14) — CON. CON. 03 (15 22 23 24)

COUNTY OR DISTRICT: [redacted] — TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: KANATA — CON. BLOCK, TRACT, SURVEY, ETC: 11 — LOT: PT. 27 (25-27)

[redacted] 25 DUNROBIN RD. — DATE COMPLETED (48-53): DAY 28 MO NOV YR 90

(1 2) (M 10) (12 17) (18 24) NG (25) RC. (26) ELEVATION (30) RC. (31) BASIN CODE (I II III IV) (47)

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
BLUE	CLAY		DENSE	0	10
BROWN	SAND			10	95
GREY	GRAVEL			95	100

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

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
100 (10-13)	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS (14)
(15-18)	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS (19)
(20-23)	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS (24)
(25-28)	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS (29)
(30-33)	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS (34) (40)

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6¼ (10-11)	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC (12)		188 (13-16)	
(17-18)	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC (19)	188	0	100 (20-23) (27-30)
(24-25)	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC (26)			

SCREEN

SIZE(S) OF OPENING (SLOT NO.) (31-33)	DIAMETER (34-38) INCHES	LENGTH (39-40) FEET
MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN (41-44) FEET	(30)

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER, ETC.)
(10-11)	(14-17) 2 BAGS CEMENT	
(18-21)	(22-25)	
(26-29)	(30-33) (40)	

71 PUMPING TEST

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

STATIC LEVEL (19-21)	WATER LEVEL END OF PUMPING (22-24)
50 FEET	60 FEET

WATER LEVELS DURING (25): 1 ☒ PUMPING 2 ☐ RECOVERY

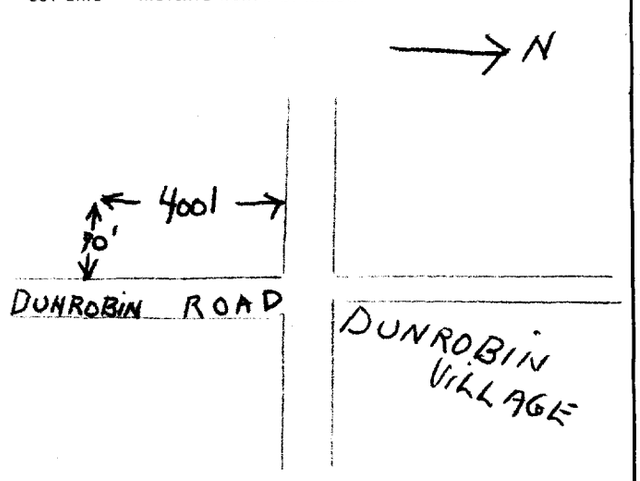
15 MINUTES (26-28)	30 MINUTES (29-31)	45 MINUTES (32-34)	60 MINUTES (35-37)
60 FEET	60 FEET	60 FEET	60 FEET

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

RECOMMENDED PUMP TYPE: ☐ SHALLOW ☒ DEEP (50-53)
RECOMMENDED PUMP SETTING (43-45): 90 FEET
RECOMMENDED PUMPING RATE (46-49): 8 GPM

LOCATION OF WELL

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



52537

DRILLERS REMARKS

FINAL STATUS OF WELL (56)

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

WATER USE (55-56)

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

METHOD OF CONSTRUCTION (57)

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

CONTRACTOR

NAME OF WELL CONTRACTOR: MOLOUGHNEY WATER WELL DRILLING — WELL CONTRACTOR'S LICENCE NUMBER: 3701
ADDRESS: 1110 FISHER AVE
NAME OF WELL TECHNICIAN: J. MOLOUGHNEY — WELL TECHNICIAN'S LICENCE NUMBER:
SIGNATURE OF TECHNICIAN/CONTRACTOR: J Moloughney — SUBMISSION DATE: DAY 28 MO NOV YR. 90

OFFICE USE ONLY

DATA SOURCE (58) — CONTRACTOR (59-62): 3701 — DATE RECEIVED (63-68): FEB 04 1992 (80)
DATE OF INSPECTION — INSPECTOR
REMARKS

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

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

11 1527364 MUNICIP 1501 0 CON. CON 103

COUNTY OR DISTRICT: OTTAWA-CARLETON
TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: TWP OF WEST CARLETON (FORMERLY)
CON. BLOCK, TRACT, SURVEY, ETC.: CONCESSION 3
LOT: 1
[redacted], 90 Sparks St, Ottawa, Ont.
DATE COMPLETED: DAY 09 MO 06 YR 93
RC: ELEVATION: RC: BASIN CODE: I II III IV

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
BROWN	TOPSOIL-LOAM			0	1
GREY-BLUE	CLAY	SILT		1	46
GREY	SAND-GRAVEL			46	53

31
32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
50-53	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6¼"	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	+1	50
10"	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE 5 ☐ PLASTIC		0	25
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.): SLOT 12
DIAMETER: 5½ INCHES
LENGTH: 3 FEET
MATERIAL AND TYPE: Tekscape, stainless
DEPTH TO TOP OF SCREEN: 50 FEET

61 PLUGGING & SEALING RECORD

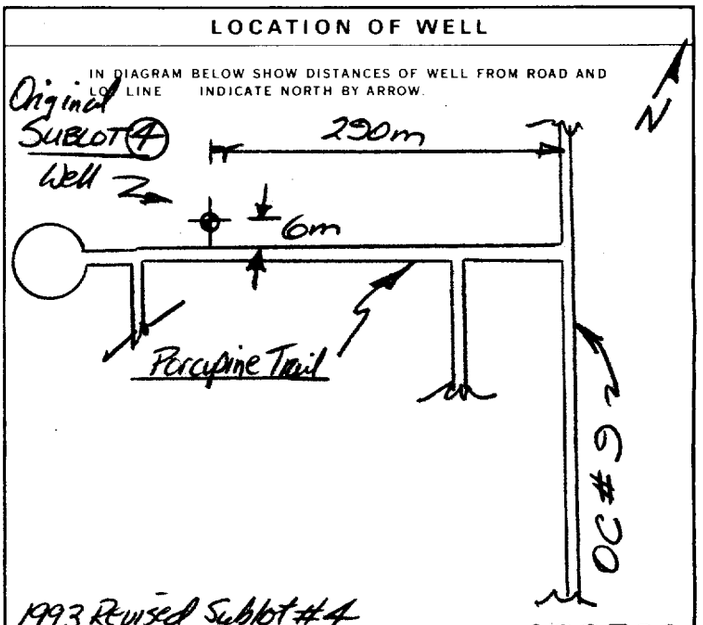
DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER ETC.)
0	5	Cuttings - store.
5	25	Holeplug grout

71 PUMPING TEST

PUMPING TEST METHOD: 1 ☒ PUMP 2 ☐ BAILER
PUMPING RATE: 5 GPM
DURATION OF PUMPING: 24 HOURS — MINS
STATIC LEVEL: 10 FEET
WATER LEVEL END OF PUMPING: 17 FEET
WATER LEVELS DURING: 1 ☒ PUMPING 2 ☐ RECOVERY
15 MINUTES: 16 FEET
30 MINUTES: 17 FEET
45 MINUTES: 17 FEET
60 MINUTES: 17 FEET
IF FLOWING, GIVE RATE: — GPM
PUMP INTAKE SET AT: 35 FEET
WATER AT END OF TEST: 1 ☐ CLEAR 2 ☐ CLOUDY
RECOMMENDED PUMP TYPE: ☐ SHALLOW ☒ DEEP
RECOMMENDED PUMP SETTING: 35 FEET
RECOMMENDED PUMPING RATE: 5 GPM

LOCATION OF WELL

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



1993 Revised Sublot #4

DRILLERS REMARKS

126501

FINAL STATUS OF WELL

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

WATER USE

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

METHOD OF CONSTRUCTION

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

CONTRACTOR

NAME OF WELL CONTRACTOR: STANTON DRILLING INC
WELL CONTRACTOR'S LICENCE NUMBER: 4875
ADDRESS: BOX 219, Pakenham, Ont.
NAME OF WELL TECHNICIAN: PETER J.A. STANTON
WELL TECHNICIAN'S LICENCE NUMBER: T-0086.
SIGNATURE OF TECHNICIAN/CONTRACTOR: [signature]
SUBMISSION DATE: DAY 30 MO. 07 YR. 93

OFFICE USE ONLY

DATA SOURCE
CONTRACTOR: 4875
DATE RECEIVED: AUG 10 1993
DATE OF INSPECTION
INSPECTOR
REMARKS
CSS.ES

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

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

11 — 1527365 — MUNICIP. 15010 — CON. CON 03

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON. BLOCK, TRACT, SURVEY, ETC.	LOT
OTTAWA-CARLETON	TWP. OF WEST CARLETON (TORBOLTON)	CONCESSION 3	1

OWNER (SURNAME FIRST)	ADDRESS	DATE COMPLETED
DELOITTE-TOUCHE INC.	1000, 90 Sparks St., Ottawa, Ont.	DAY 29 MO 06 YR 93

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

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
BROWN	TOPSOIL-LOAM			0	1
GREY-BLUE	CLAY	SILT		1	34
GREY	SAND-GRAVEL			34	43

31

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
40-43	1 ☒ FRESH 2 ☐ SALTY — 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY — 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY — 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY — 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY — 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
10	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE 5 ☐ PLASTIC	-	0	25
6¼"	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC		+1	40
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
SLOT #12	5½ OD INCHES	3 FEET

MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN
Stainless, telescope.	40 FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER, ETC.)
0	5	Cuttings - stone
5	25	Hole plug grout.

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☒ PUMP 2 ☐ BAILER	5 GPM	24 HOURS — MINS

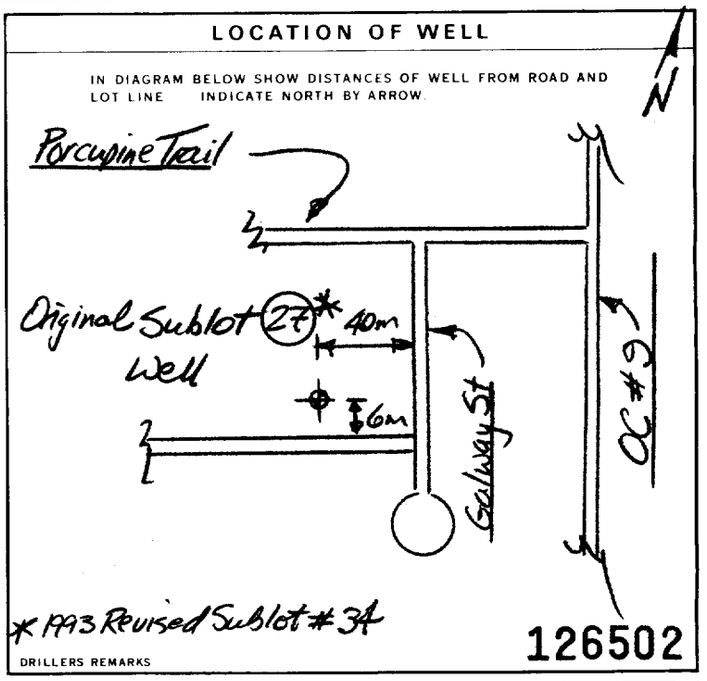
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
11 FEET	13 FEET	1 ☒ PUMPING 2 ☐ RECOVERY	12 FEET	12 FEET	12 FEET	12 FEET

IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
— GPM	35 FEET	1 ☒ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☐ SHALLOW ☒ DEEP	35 FEET	5 GPM

LOCATION OF WELL

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



* 1993 Revised Sublot #34

DRILLERS REMARKS

126502

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

CONTRACTOR

NAME OF WELL CONTRACTOR	WELL CONTRACTOR'S LICENCE NUMBER
STANTON DRILLING INC	4875

ADDRESS	
Box 219, Pakenham, Ont.	

NAME OF WELL TECHNICIAN	WELL TECHNICIAN'S LICENCE NUMBER
PETER J.A. STANTON	[illegible]

SIGNATURE OF TECHNICIAN/CONTRACTOR	SUBMISSION DATE
[signature]	DAY 30 MO 07 YR 93

OFFICE USE ONLY

DATA SOURCE	CONTRACTOR	DATE RECEIVED
	4875	AUG 10 1993

DATE OF INSPECTION	INSPECTOR

REMARKS

CSS. GS

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FORM NO. 0506 (11/86) FORM 9

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

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

11 | 1527366 | MUNICIP 1,5,0,1,0 | CON. CON | 03

COUNTY OR DISTRICT: OTTAWA-CARLETON
TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: TWP OF WEST CARLETON (FORBES TOWN)
CON. BLOCK, TRACT, SURVEY, ETC: CONCESSION 3
LOT: 1
[redacted], 90 Sparks St, Ottawa, Ont.
DATE COMPLETED: DAY 05 MO 07 YR 93
RC. | ELEVATION | RC. | BASIN CODE | II | III | IV

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
BROWN	LOAM	SAND		0	2
GREY-BLUE	CLAY	SILT		2	44
GREY	SAND-GRAVEL			44	50

31
32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
4750	1 ☒ FRESH 2 ☐ SALTY; 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY; 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY; 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY; 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY; 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
10 11	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE 5 ☐ PLASTIC	—	0	25
6 1/4"	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	+1	47
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
SLOT #16	5 1/2 INCHES	3 FEET

MATERIAL AND TYPE: Stainless, telescope
DEPTH TO TOP OF SCREEN: 47 FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
0	3	Cuttings - stone
3	25	Holeplug grout.

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☒ PUMP 2 ☐ BAILER	5 GPM	24 HOURS — MINS

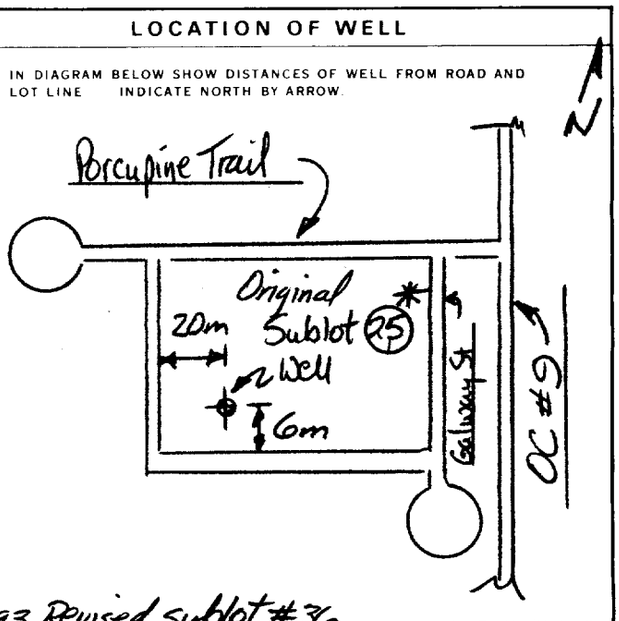
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
10 FEET	34 FEET	1 ☒ PUMPING 2 ☐ RECOVERY	23 FEET	24 FEET	25 FEET	25 FEET

IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
— GPM	40 FEET	1 ☒ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☐ SHALLOW ☒ DEEP	40 FEET	5 GPM

LOCATION OF WELL

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



* 1993 Revised sublot #36.

DRILLERS REMARKS

126503

FINAL STATUS OF WELL

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

WATER USE

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

METHOD OF CONSTRUCTION

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

CONTRACTOR

NAME OF WELL CONTRACTOR: STANTON DRILLING INC
WELL CONTRACTOR'S LICENCE NUMBER: 4875
ADDRESS: BOX 219, Pakenham, Ont.
NAME OF WELL TECHNICIAN: PETER J.A. STANTON
WELL TECHNICIAN'S LICENCE NUMBER: P0086
SIGNATURE OF TECHNICIAN/CONTRACTOR
SUBMISSION DATE: DAY 30 MO 07 YR 93

OFFICE USE ONLY

DATA SOURCE | CONTRACTOR 4875 | DATE RECEIVED AUG 10 1993
DATE OF INSPECTION | INSPECTOR
REMARKS

CSS.BJ

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

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

11 1527367 MUNICIP. 1501.0 CON. CON 093

COUNTY OR DISTRICT: [redacted]
TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: NORTH GOWER (GORBOLTON)
CON. BLOCK, TRACT, SURVEY, ETC.: CONCESSION 3
LOT: 1
STREET NO. AND NAME: [redacted]0, 90 Sparks St, Ottawa, Ont.
DATE COMPLETED: DAY 07 MO 07 YR 93
RC: ELEVATION: RC: BASIN CODE:

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
BROWN	LOAM	SAND		0	2
GREY-BLUE	CLAY	SILT		2	46
GREY	SAND-GRAVEL			46	53

31
32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
50-53	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
10	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE 5 ☐ PLASTIC	—	0	25
6¼	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	+1	50
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.): SLOT #16
DIAMETER: 5½ INCHES
LENGTH: 3 FEET
MATERIAL AND TYPE: Stainless, Telescope
DEPTH TO TOP OF SCREEN: 50 FEET

61 PLUGGING & SEALING RECORD

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

71 PUMPING TEST

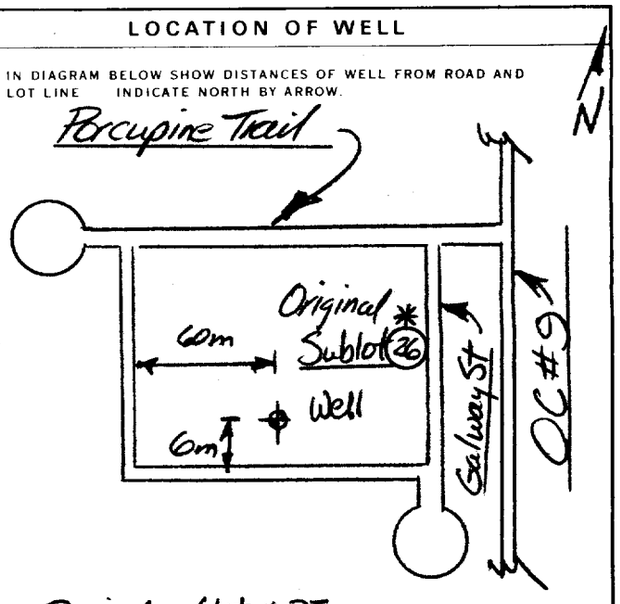
PUMPING TEST METHOD: 1 ☒ PUMP 2 ☐ BAILER
PUMPING RATE: 5 GPM
DURATION OF PUMPING: 24 HOURS — MINS
STATIC LEVEL: 11 FEET
WATER LEVEL END OF PUMPING: 13 FEET
WATER LEVELS DURING: 1 ☒ PUMPING 2 ☐ RECOVERY

15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
12 FEET	13 FEET	13 FEET	13 FEET

IF FLOWING, GIVE RATE: — GPM
PUMP INTAKE SET AT: 40 FEET
WATER AT END OF TEST: 1 ☒ CLEAR 2 ☐ CLOUDY
RECOMMENDED PUMP TYPE: ☐ SHALLOW ☒ DEEP
RECOMMENDED PUMP SETTING: 40 FEET
RECOMMENDED PUMPING RATE: 5 GPM

LOCATION OF WELL

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



*1993 Revised sublot # 35

DRILLERS REMARKS: 126504

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

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

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

CONTRACTOR

NAME OF WELL CONTRACTOR: STANTON DRILLING INC.
WELL CONTRACTOR'S LICENCE NUMBER: 4875
ADDRESS: Box 219, Perkenham, Ont.
NAME OF WELL TECHNICIAN: PETER J.A. STANTON
WELL TECHNICIAN'S LICENCE NUMBER: [illegible]
SIGNATURE OF TECHNICIAN/CONTRACTOR:
SUBMISSION DATE: DAY 30 MO 07 YR 93

OFFICE USE ONLY

DATA SOURCE
CONTRACTOR: 4875
DATE RECEIVED: AUG 10 1993
DATE OF INSPECTION
INSPECTOR
REMARKS: CSS-BS

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FORM NO. 0506 (11/86) FORM 9

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

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

11 1527368 MUNICIP 1501 CON. CON 03

COUNTY OR DISTRICT: OTTAWA-CARLETON
TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: TWP OF WEST CARLETON (CORBEAUX)
CON, BLOCK, TRACT, SURVEY, ETC: CONCESSION 3
LOT: 1
[redacted], 90 Sparks St, Ottawa, Ont.
DATE COMPLETED: DAY 30 MO 06 YR 93
RC: ELEVATION: RC: BASIN CODE:

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
BROWN	LOAM			0	1
GREY-BLUE	CLAY			1	26
GREY	SAND			26	35

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
32-35	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
10	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE 5 ☐ PLASTIC	—	0	25
6 1/4"	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188"	+1	32
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.): SLOT #10
DIAMETER: 5 1/2 INCHES
LENGTH: 3 FEET
MATERIAL AND TYPE: Stainless, tele-scope
DEPTH TO TOP OF SCREEN: 32 FEET

61 PLUGGING & SEALING RECORD

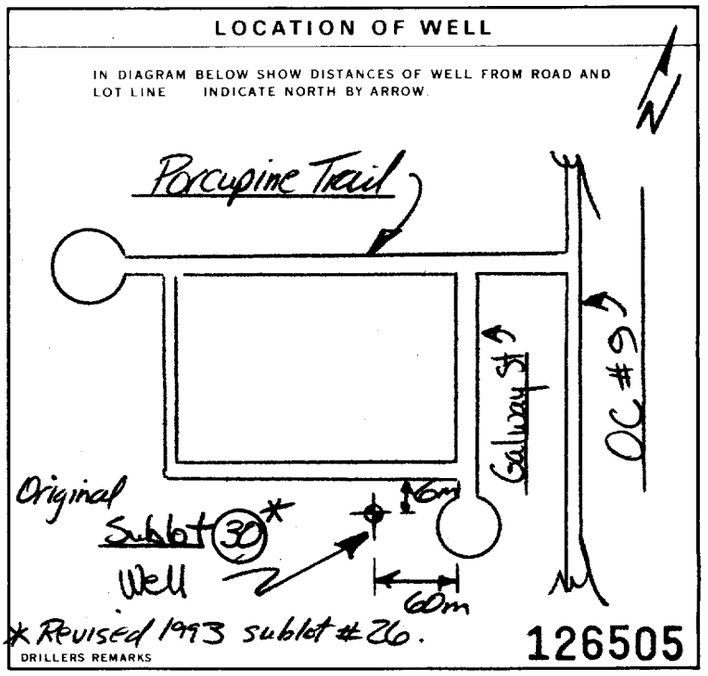
DEPTH SET AT - FEET FROM	TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
0	5	Cuttings - Stone
5	25	Hole plug grout.

71 PUMPING TEST

PUMPING TEST METHOD: 1 ☒ PUMP 2 ☐ BAILER
PUMPING RATE: 5 GPM
DURATION OF PUMPING: 24 HOURS — MINS
STATIC LEVEL: 11 FEET
WATER LEVEL END OF PUMPING: 18 FEET
WATER LEVELS DURING: 1 ☒ PUMPING 2 ☐ RECOVERY
15 MINUTES: 17 FEET
30 MINUTES: 18 FEET
45 MINUTES: 18 FEET
60 MINUTES: 18 FEET
IF FLOWING, GIVE RATE: — GPM
PUMP INTAKE SET AT: 30 FEET
WATER AT END OF TEST: 1 ☒ CLEAR 2 ☐ CLOUDY
RECOMMENDED PUMP TYPE: ☐ SHALLOW ☒ DEEP
RECOMMENDED PUMP SETTING: 30 FEET
RECOMMENDED PUMPING RATE: 5 GPM

LOCATION OF WELL

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



* Revised 1993 sublot #26.

DRILLERS REMARKS: 126505

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

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

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

CONTRACTOR

NAME OF WELL CONTRACTOR: STANTON DRILLING INC.
WELL CONTRACTOR'S LICENCE NUMBER: 4875
ADDRESS: Box 219, Pakenham, Ont.
NAME OF WELL TECHNICIAN: PETER J.A. STANTON
WELL TECHNICIAN'S LICENCE NUMBER: 7006
SIGNATURE OF TECHNICIAN / CONTRACTOR:
SUBMISSION DATE: DAY 30 MO 07 YR 93

OFFICE USE ONLY

DATA SOURCE
CONTRACTOR: 4875
DATE RECEIVED: AUG 10 1993
DATE OF INSPECTION
INSPECTOR
REMARKS
CSS. BS

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

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

11 1527369 MUNICIP. 1501.0 CON. CON. 03

COUNTY OR DISTRICT: [redacted]
TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: [redacted] WEST CARLETON (HORBOLTON)
CON. BLOCK, TRACT, SURVEY, ETC.: CONCESSION 3
LOT: 1
[redacted], 90 Sparks St, Ottawa, Ont.
DATE COMPLETED: DAY 02 MO 07 YR 93
RC | ELEVATION | RC | BASIN CODE

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
BROWN	LOAM			0	1
GREY-BLUE	CLAY			1	34
GREY	SAND	GRAVEL		34	46.

31
32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
4346	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
10	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE 5 ☐ PLASTIC	—	0	25
6¼"	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188"	+1	43
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
SLOT #16	5½ INCHES	3 FEET

MATERIAL AND TYPE: Stainless, telescope
DEPTH TO TOP OF SCREEN: 43 FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER, ETC.)
0	3	Cuttings - Stone
3	25	Holeplug grout.

71 PUMPING TEST

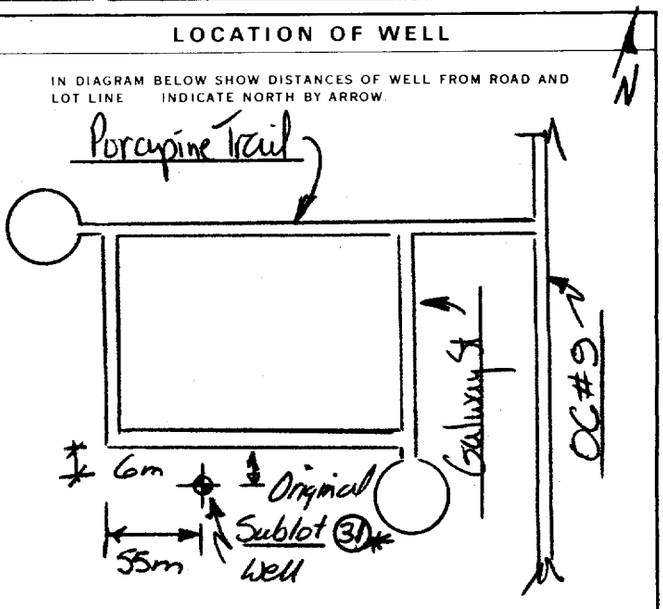
PUMPING TEST METHOD: 1 ☒ PUMP 2 ☐ BAILER
PUMPING RATE: 5 GPM
DURATION OF PUMPING: 24 HOURS — MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 1 ☒ PUMPING 2 ☐ RECOVERY			
		15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
10 FEET	11 FEET	11 FEET	11 FEET	11 FEET	11 FEET

IF FLOWING, GIVE RATE: — GPM
PUMP INTAKE SET AT: 35 FEET
WATER AT END OF TEST: 1 ☒ CLEAR 2 ☐ CLOUDY
RECOMMENDED PUMP TYPE: ☐ SHALLOW ☒ DEEP
RECOMMENDED PUMP SETTING: 35 FEET
RECOMMENDED PUMPING RATE: 5 GPM

LOCATION OF WELL

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



*1993 Revised sublot # 25
DRILLERS REMARKS

126506

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

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

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

CONTRACTOR

NAME OF WELL CONTRACTOR: STANTON DRILLING INC
WELL CONTRACTOR'S LICENCE NUMBER: 4875
ADDRESS: BOX 219, Pakenham, Ont.
NAME OF WELL TECHNICIAN: PETER A. STANTON
WELL TECHNICIAN'S LICENCE NUMBER: 70006
SIGNATURE OF TECHNICIAN/CONTRACTOR:
SUBMISSION DATE: DAY 30 MO 07 YR 93

OFFICE USE ONLY

DATA SOURCE
CONTRACTOR: 4875
DATE RECEIVED: AUG 10 1993
DATE OF INSPECTION
INSPECTOR
REMARKS
CSS: GS

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

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

11 1527370 MUNICIP. 15010 CON. CON 93

COUNTY OR DISTRICT: OTTAWA CARLETON
TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: [redacted] REQUEST CARLETON (FORBOLTON)
CON. BLOCK, TRACT, SURVEY, ETC.: CONCESSION 3
LOT: 1
[redacted]o, 90 Sparks St, Ottawa, Ont.
DATE COMPLETED: DAY 6 MO 7 YR 93.
RC. ELEVATION RC. BASIN CODE

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
BROWN	LOAM.			0	1
GREY-BLUE	CLAY			1	24
GREY	SAND	GRAVEL		24	43

31
32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
43	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
10 11	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE 5 ☐ PLASTIC	—	0	25
6 1/4	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	+1	40
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
SLOT #16	5 1/2 INCHES	3 FEET
MATERIAL AND TYPE: Stainless, Hoscope	DEPTH TO TOP OF SCREEN: 40 FEET	

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	TO	MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER ETC.)
0	5	Cuttings-Stone
5	25	Hole plug grout.

71 PUMPING TEST

PUMPING TEST METHOD: 1 ☒ PUMP 2 ☐ BAILER
PUMPING RATE: 5 GPM
DURATION OF PUMPING: 4 HOURS — MINS
STATIC LEVEL: 7 FEET
WATER LEVEL END OF PUMPING: 8 FEET
WATER LEVELS DURING: 1 ☒ PUMPING 2 ☐ RECOVERY

15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
7 FEET	7 FEET	8 FEET	8 FEET

IF FLOWING, GIVE RATE: — GPM
PUMP INTAKE SET AT: 30 FEET
WATER AT END OF TEST: 1 ☒ CLEAR 2 ☐ CLOUDY
RECOMMENDED PUMP TYPE: ☐ SHALLOW ☒ DEEP
RECOMMENDED PUMP SETTING: 30 FEET
RECOMMENDED PUMPING RATE: 5 GPM

FINAL STATUS OF WELL

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

WATER USE

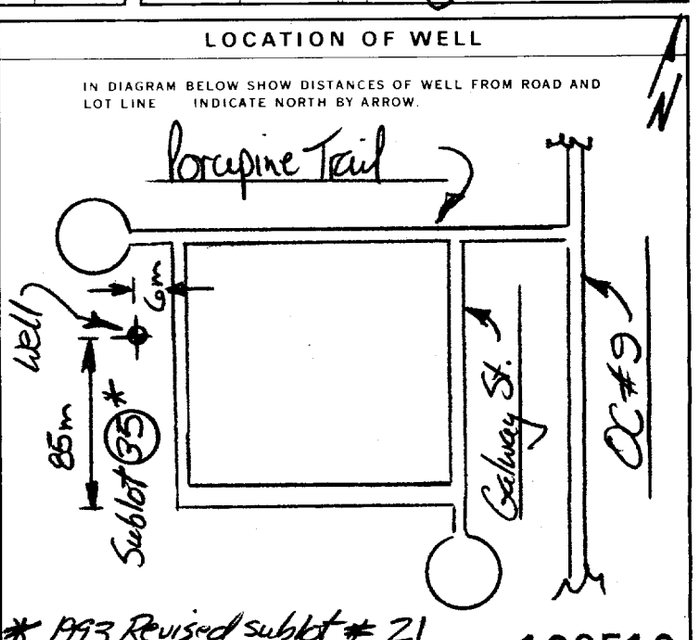
1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED

METHOD OF CONSTRUCTION

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

LOCATION OF WELL

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



* 1993 Revised sublot # 21

DRILLERS REMARKS: 126510

CONTRACTOR

NAME OF WELL CONTRACTOR: STANTON DRILLING INC.
WELL CONTRACTOR'S LICENCE NUMBER: 4875
ADDRESS: BOX 29, Pakenham, Ont.
NAME OF WELL TECHNICIAN: PETER J.A. STANTON
WELL TECHNICIAN'S LICENCE NUMBER: 7000.
SIGNATURE OF TECHNICIAN/CONTRACTOR:
SUBMISSION DATE: DAY 30 MO 07 YR 93.

OFFICE USE ONLY

DATA SOURCE
CONTRACTOR: 4875
DATE RECEIVED: AUG 10 1993
DATE OF INSPECTION
INSPECTOR
REMARKS
CSS. C-5

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

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

11 — 1527371 — MUNICIP 1501 0 — CON. CON 03

COUNTY OR DISTRICT: OTTAWA-CARLETON
TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: [redacted] OF WEST CARLETON (CORBOLTON)
CON. BLOCK, TRACT, SURVEY, ETC: CONCESSION 3
LOT: 1
[redacted]oo, 90 Sparks St, Ottawa, Ont.
DATE COMPLETED: DAY 08 MO 07 YR 93
RC: ELEVATION: RC: BASIN CODE:

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
BROWN	LOAM	STONE FILL		0	5
GREY-BLUE	CLAY			5	25
GREY	SAND	GRAVEL		25	39

31
32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
36-39	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 5 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 5 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 5 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 5 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 5 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
10	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE 5 ☐ PLASTIC	—	0	25
6¼"	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188 + 1	36	
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.): SLOT #18
DIAMETER: 5½ INCHES
LENGTH: 3 FEET
MATERIAL AND TYPE: Stainless, telescope
DEPTH TO TOP OF SCREEN: 36 FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
0	5	Cuttings - stone
5	25	Hole plug grout.

71 PUMPING TEST

PUMPING TEST METHOD: 1 ☒ PUMP 2 ☐ BAILER
PUMPING RATE: 5 GPM
DURATION OF PUMPING: 24 HOURS — MINS
STATIC LEVEL: 6 FEET
WATER LEVEL END OF PUMPING: 9 FEET
WATER LEVELS DURING: 1 ☒ PUMPING 2 ☐ RECOVERY

15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
8 FEET	9 FEET	9 FEET	9 FEET

IF FLOWING, GIVE RATE: — GPM
PUMP INTAKE SET AT: 30 FEET
WATER AT END OF TEST: 1 ☒ CLEAR 2 ☐ CLOUDY
RECOMMENDED PUMP TYPE: ☐ SHALLOW ☒ DEEP
RECOMMENDED PUMP SETTING: 30 FEET
RECOMMENDED PUMPING RATE: 5 GPM

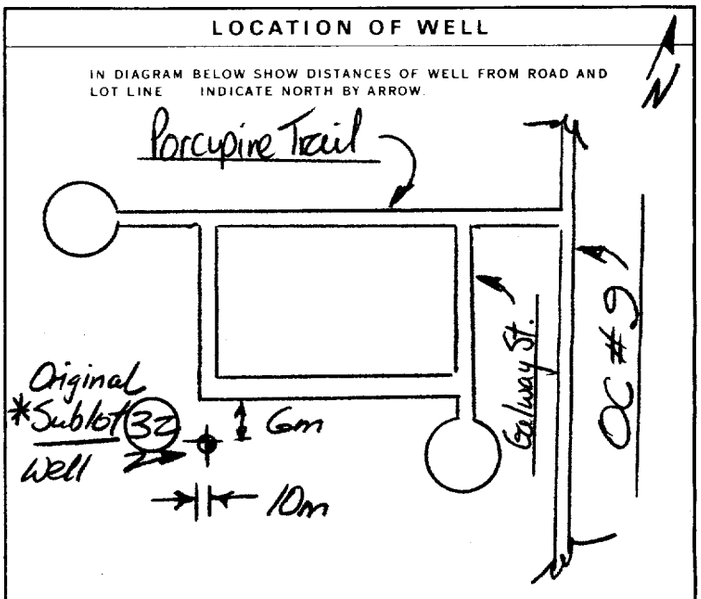
FINAL STATUS OF WELL: 1 ☒ WATER SUPPLY; 2 ☐ OBSERVATION WELL; 3 ☐ TEST HOLE; 4 ☐ RECHARGE WELL; 5 ☐ ABANDONED, INSUFFICIENT SUPPLY; 6 ☐ ABANDONED, POOR QUALITY; 7 ☐ UNFINISHED; ☐ DEWATERING

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

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

LOCATION OF WELL

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



* 1993 Revised sublot # 24

DRILLERS REMARKS: 126507

CONTRACTOR

NAME OF WELL CONTRACTOR: STANTON DRILLING INC
WELL CONTRACTOR'S LICENCE NUMBER: 4875
ADDRESS: BOX 219, Pakenham, Ont.
NAME OF WELL TECHNICIAN: PETER J.A. STANTON
WELL TECHNICIAN'S LICENCE NUMBER: 7-0086
SIGNATURE OF TECHNICIAN/CONTRACTOR:
SUBMISSION DATE: DAY 30 MO. 07 YR. 93

OFFICE USE ONLY

DATA SOURCE
CONTRACTOR: 4875
DATE RECEIVED: AUG 10 1993
DATE OF INSPECTION
INSPECTOR
REMARKS
CSS. BS

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

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

11 — 1527372 — MUNICIP. 1501 0 — CON. CON 03

COUNTY OR DISTRICT: [redacted]
TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: [illegible] WEST CARLETON (TORBOLTON)
CON. BLOCK, TRACT, SURVEY, ETC: CONCESSION 3
LOT: 1
DATE COMPLETED: DAY 09 MO 07 YR 93
[redacted], 90 Sparks St, Ottawa, Ont.
RC — ELEVATION — RC — BASIN CODE

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
BROWN	LOAM			0	1
GREY-BLUE	CLAY			1	24
GREY	SAND	GRAVEL		24	46.

31
32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
43-46	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
10 11	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE 5 ☐ PLASTIC	—	0	25
6 1/4"	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	+1	43
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
SLOT #12	5 1/2 INCHES	3 FEET

MATERIAL AND TYPE: Stainless, telescope
DEPTH TO TOP OF SCREEN: 43 FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
0	3	Cuttings, Stone
3	25	Hydraplug grout.

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☒ PUMP 2 ☐ BAILER	5 GPM	24 HOURS — MINS

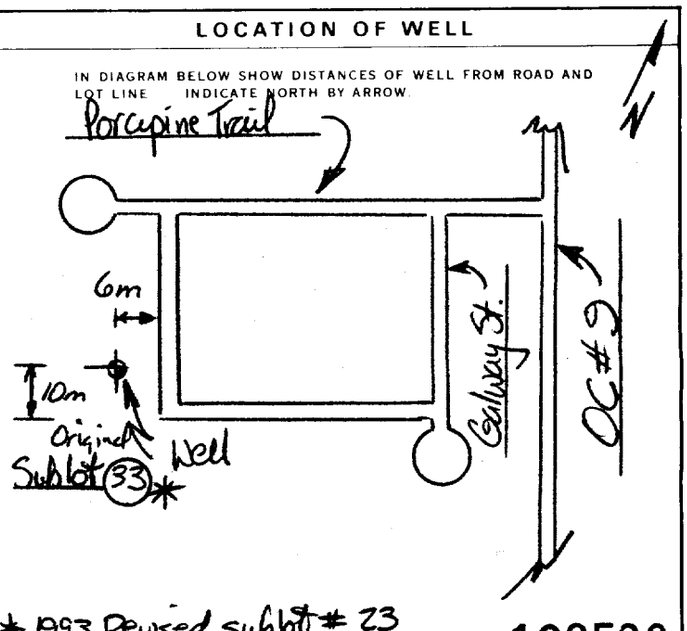
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 1 ☒ PUMPING 2 ☐ RECOVERY	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
5 FEET	15 FEET		14 FEET	15 FEET	16 FEET	16 FEET

IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
— GPM	35 FEET	1 ☒ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☐ SHALLOW ☒ DEEP	35 FEET	5 GPM

LOCATION OF WELL

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



* 1993 Revised sublot # 23

DRILLERS REMARKS: 126508

FINAL STATUS OF WELL

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

WATER USE

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

METHOD OF CONSTRUCTION

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

CONTRACTOR

NAME OF WELL CONTRACTOR: STANTON DRILLING INC
WELL CONTRACTOR'S LICENCE NUMBER: 4875
ADDRESS: Box 219, Pakenham, Ont.
NAME OF WELL TECHNICIAN: PETER J.A. STANTON
WELL TECHNICIAN'S LICENCE NUMBER: T2006
SIGNATURE OF TECHNICIAN/CONTRACTOR: [signature]
SUBMISSION DATE: DAY 30 MO 07 YR 93

OFFICE USE ONLY

DATA SOURCE
CONTRACTOR: 4875
DATE RECEIVED: AUG 10 1993
DATE OF INSPECTION
INSPECTOR
REMARKS
CSS: BS

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

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

11 | 1527373 | MUNICIP 150,10 | CON. CON 03

COUNTY OR DISTRICT: [redacted]
TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: [redacted] WEST CARLETON (HUNTCLIFF)
CON. BLOCK, TRACT, SURVEY, ETC.: CONCESSION 3
LOT: 1
[redacted], 90 Sparks St, Ottawa, Ont.
DATE COMPLETED: DAY 07 MO 07 YR 93
RC | ELEVATION | RC | BASIN CODE

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
BROWN	LOAM			0	1
GREY-BLUE	CLAY			1	23
GREY	SAND	GRAVEL		23	41

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
38-41	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 5 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 5 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 5 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 5 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 5 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
10	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE 5 ☐ PLASTIC	—	0	24
6 1/4	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	+1	38
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.): SLOT #16
DIAMETER: 5 1/2 INCHES
LENGTH: 3 FEET
MATERIAL AND TYPE: Stainless, telescope
DEPTH TO TOP OF SCREEN: 38 FEET

61 PLUGGING & SEALING RECORD

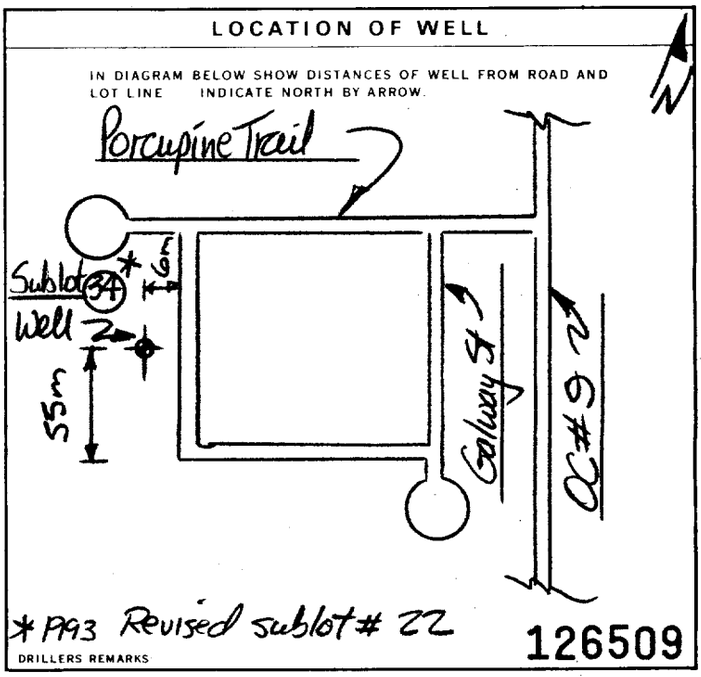
DEPTH SET AT - FEET FROM	TO	MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER, ETC.)
0	4	Cuttings - stone
4	25	Holeplug grout.

71 PUMPING TEST

PUMPING TEST METHOD: 1 ☒ PUMP 2 ☐ BAILER
PUMPING RATE: 5 GPM
DURATION OF PUMPING: 24 HOURS — MINS
STATIC LEVEL: 5 FEET
WATER LEVEL END OF PUMPING: 9 FEET
WATER LEVELS DURING: 1 ☒ PUMPING 2 ☐ RECOVERY
15 MINUTES: 9 FEET
30 MINUTES: 9 FEET
45 MINUTES: 9 FEET
60 MINUTES: 9 FEET
IF FLOWING, GIVE RATE: — GPM
PUMP INTAKE SET AT: 30 FEET
WATER AT END OF TEST: 1 ☒ CLEAR 2 ☐ CLOUDY
RECOMMENDED PUMP TYPE: ☐ SHALLOW ☒ DEEP
RECOMMENDED PUMP SETTING: 30 FEET
RECOMMENDED PUMPING RATE: 5 GPM

LOCATION OF WELL

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



*1993 Revised sublot # 22

DRILLERS REMARKS: 126509

FINAL STATUS OF WELL

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

WATER USE

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

METHOD OF CONSTRUCTION

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

CONTRACTOR

NAME OF WELL CONTRACTOR: STANTON DRILLING INC
WELL CONTRACTOR'S LICENCE NUMBER: 4875
ADDRESS: BOX 219, Pakenham, Ont.
NAME OF WELL TECHNICIAN: PETER J.A. STANTON
WELL TECHNICIAN'S LICENCE NUMBER: 12086
SIGNATURE OF TECHNICIAN/CONTRACTOR:
SUBMISSION DATE: DAY 30 MO 07 YR 93

OFFICE USE ONLY

DATA SOURCE
CONTRACTOR: 4875
DATE RECEIVED: AUG 10 1993
DATE OF INSPECTION
INSPECTOR
REMARKS
CSS.FS

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Ministry of Environment and Energy
Ontario

The Ontario Water Resources Act
WATER WELL RECORD

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

11

1529988

Municipality 15010 Con. CON 03

County or District	Township/Borough/City/Town/Village	Con	block	tract	survey, etc.	Lot
OTTAWA CARLETON	WEST CARLETON		3			21

Owner's surname: GIRL GUIDES OF CANADA CAMP WOLSEY
First name:
Address: 5029 DUNROBIN RD
Date completed: 11 day 11 month 97 year

Easting: M
Northing:
RC: WOODLAWN
Elevation:
RC
Basin Code: i ii iv

21

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)

General colour	Most common material	Other materials	General description	Depth – feet From	Depth – feet To
BROWN	SAND			0	12
BLUE	CLAY			12	38
GREY	GRANITE GRAVEL			38	42
LIGHT GREY	LIMESTONE			42	65
DARK GREY	LIMESTONE			65	107
LIGHT GREY	LIMESTONE			107	190
GREY WHITE	LIMESTONE			190	215
DARK GREY	LIMESTONE			215	230
LIGHT GREY	LIMESTONE			230	248

31

32

41 WATER RECORD

Water found at – feet	Kind of water
45	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas
120	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas
235	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas

51 CASING & OPEN HOLE RECORD

Inside diam inches	Material	Wall thickness inches	Depth – feet From	Depth – feet To
6 1/4"	1 ☒ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic	1.88	0	42
6 1/8"	1 ☐ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☒ Open hole 5 ☐ Plastic		42	248
	1 ☐ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic			

SCREEN

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

Material and type:
Depth at top of screen feet:

61 PLUGGING & SEALING RECORD

☐ Annular space ☐ Abandonment

Depth set at – feet From	Depth set at – feet To	Material and type (Cement grout, bentonite, etc.)
0	42	BENONITE

71 PUMPING TEST

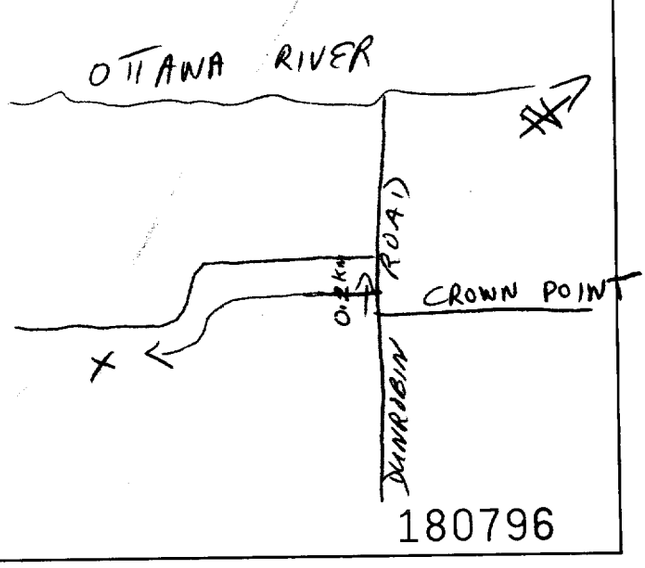
Pumping test method: 1 ☐ Pump 2 ☒ Bailer
Pumping rate: 10 GPM
Duration of pumping: ..... Hours ..... Mins

Static level	Water level end of pumping	Water levels during: 1 ☐ Pumping 2 ☐ Recovery 15 minutes	30 minutes	45 minutes	60 minutes
35 feet	215 feet	160 feet	118 feet	96 feet	75 feet

If flowing give rate: GPM
Pump intake set at: feet
Water at end of test: ☐ Clear ☒ Cloudy
Recommended pump type: ☐ Shallow ☒ Deep
Recommended pump setting: 235 feet
Recommended pump rate: 3 GPM

LOCATION OF WELL

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



180796

FINAL STATUS OF WELL

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

WATER USE

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

METHOD OF CONSTRUCTION

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

Name of Well Contractor: M. KAVANAGH & SON WELL DRILLING
Well Contractor's Licence No.: 3142
Address: RR 2 CARLETON PLACE
Name of Well Technician: MIKE KAVANAGH
Well Technician's Licence No.: T-0194
Signature of Technician/Contractor: Michael Kavanagh
Submission date: 27 day 11 mo 97 yr

MINISTRY USE ONLY

Data source
Contractor: 3142
Date received: APR 20 1998
Date of inspection
Inspector
Remarks

0506 (07/94) Front Form 9

2 - MINISTRY OF ENVIRONMENT & ENERGY COPY

Ontario Ministry of the Environment

The Ontario Water Resources Act
WATER WELL RECORD

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

11 — 1530671

Municipality 1501 0 — Con. CON — 04

PLAN 4R-14206, Part 2

County or District	Township/Borough/City/Town/Village	Con block tract survey, etc.	Lot
OTTAWA-CARLETON	TWP. OF WEST CARLETON (Corbeil Con)	CONCESSION 4	1

[redacted]

Address: 150 Isabella St, Ottawa, ON K1S 1V7.

Date completed: 23 (day) 07 (month) 99 (year)

21 — Northing — RC — Elevation — RC — Basin Code

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)

General colour	Most common material	Other materials	General description	Depth - feet From	Depth - feet To
GREY	CLAY			0	18
BROWN	SAND	SILT		18	34
GREY	SAND		FINE	34	40

31

32

41 WATER RECORD

Water found at - feet	Kind of water
36-40	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 5 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 5 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 5 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 5 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 5 ☐ Gas

51 CASING & OPEN HOLE RECORD

Inside diam inches	Material	Wall thickness inches	Depth - feet From	Depth - feet To
6¼"	1 ☒ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic	.188	+2	36
5½"	1 ☐ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☒ Open hole 5 ☐ Plastic	#8 Screen	36	40
	1 ☐ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic			

SCREEN

Sizes of opening (Slot No.)	Diameter	Length
SLOT 8	5½ inches	4 feet

Material and type: Stainless/Holescope

Depth at top of screen: 36 feet

61 PLUGGING & SEALING RECORD

☒ Annular space ☐ Abandonment

Depth set at - feet From	Depth set at - feet To	Material and type (Cement grout, bentonite, etc.)
2	20	Grout.

71 PUMPING TEST

Pumping test method: 1 ☒ Pump 2 ☐ Bailer

Pumping rate: 10 GPM

Duration of pumping: 2 Hours 0 Mins

Static level	Water level end of pumping	Water levels during: 1 ☒ Pumping 2 ☐ Recovery			
		15 minutes	30 minutes	45 minutes	60 minutes
14 feet	18 feet	17 feet	18 feet	18 feet	18 feet

If flowing give rate: ____ GPM

Pump intake set at: 30 feet

Water at end of test: ☒ Clear ☐ Cloudy

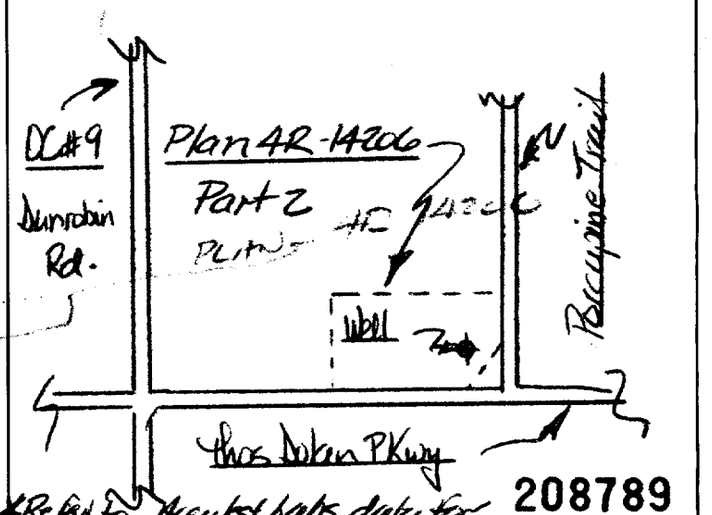
Recommended pump type: ☐ Shallow ☒ Deep

Recommended pump setting: 30 feet

Recommended pump rate: 5 GPM

LOCATION OF WELL

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



Ref to nearest lots data for water quality

208789

FINAL STATUS OF WELL

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

WATER USE

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

METHOD OF CONSTRUCTION

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

Name of Well Contractor	Well Contractor's Licence No.
STANTON DRILLING INC	4875
Address: Box 219, Pakenham, ON	K0A 2X0
Name of Well Technician: Peter Stanton	Well Technician's Licence No. F0086
Signature of Technician/Contractor	Submission date: 29 (day) 07 (mo) 99. (yr)

MINISTRY USE ONLY

Data source — Contractor 4875 — Date received: AUG 16 1999

Date of inspection — Inspector

Remarks: CSS.ES0

0506 (11/98) Front Form 9

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Ontario Ministry of the Environment

The Ontario Water Resources Act
WATER WELL RECORD

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

11 — 1530673

Municipality 1501 0 — Con CON — 04

PLAN 4R-14206, Part 1

County or District	Township/Borough/City/Town/Village	Con block tract survey, etc.	Lot
OTTAWA-CARLETON	TWP OF WEST CARLETON (Corkstown)	CONCESSION 4	1

[redacted]

Address: 150 Isabella St, Ottawa, ON K1S 1V7

Date completed: 23 (day) 07 (month) 99 (year)

21 — Northing — RC — Elevation — RC — Basin Code

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)

General colour	Most common material	Other materials	General description	Depth - feet From	Depth - feet To
GREY	CLAY			0	20
BROWN	SAND	SILT		20	25
GREY	SAND		FINE	25	40

31

32

41 WATER RECORD

Water found at - feet	Kind of water
36 40	1 ☒ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas

51 CASING & OPEN HOLE RECORD

Inside diam inches	Material	Wall thickness inches	Depth - feet From	Depth - feet To
6 1/4"	1 ☒ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic	.188"	+2	36
5 1/2"	1 ☐ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☒ Open hole 5 ☐ Plastic	#10 SCREEN	36	40
	1 ☐ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic			

SCREEN

Sizes of opening (Slot No.)	Diameter	Length
SLOT #10	5 1/2 OD inches	4 feet

Material and type	Depth at top of screen
Stainless, telescope	36 feet

61 PLUGGING & SEALING RECORD

☒ Annular space ☐ Abandonment

Depth set at - feet From	Depth set at - feet To	Material and type (Cement grout, bentonite, etc.)
1	20	Grout

71 PUMPING TEST

Pumping test method	Pumping rate	Duration of pumping
1 ☒ Pump 2 ☐ Bailer	10 GPM	2 Hours 0 Mins

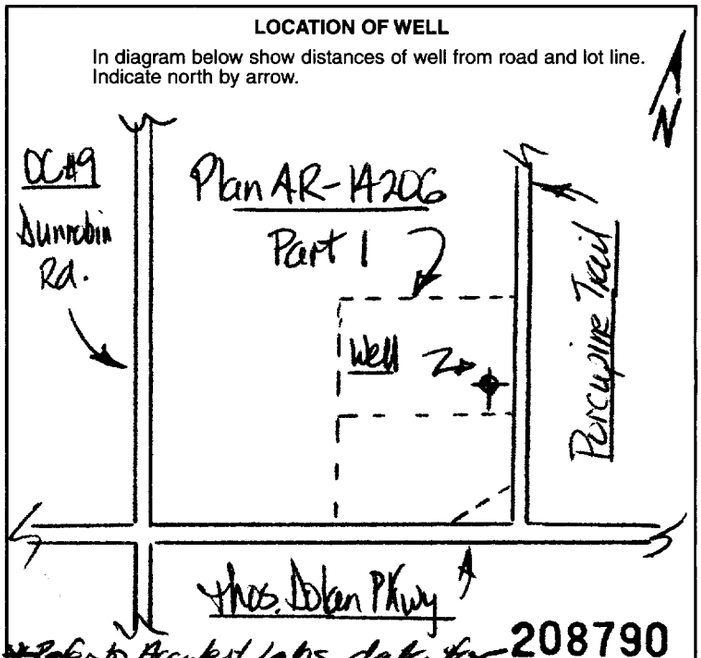
Static level	Water level end of pumping	Water levels during 1 ☒ Pumping 2 ☐ Recovery			
		15 minutes	30 minutes	45 minutes	60 minutes
15 feet	21 feet	20 feet	21 feet	21 feet	21 feet

If flowing give rate	Pump intake set at	Water at end of test
GPM	30 feet	☒ Clear ☐ Cloudy

Recommended pump type	Recommended pump setting	Recommended pump rate
☐ Shallow ☒ Deep	30 feet	5 GPM

LOCATION OF WELL

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



*Refer to Accutest Labs data for water quality 208790

FINAL STATUS OF WELL

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

WATER USE

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

METHOD OF CONSTRUCTION

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

Name of Well Contractor	Well Contractor's Licence No.
STANDOW DRILLING INC.	4875

Address	
BOX 219, Pakenham, ON K0A2X0	

Name of Well Technician	Well Technician's Licence No.
Peter Standow	F0086

Signature of Technician/Contractor	Submission date
	23 (day) 07 (mo) 99 (yr)

MINISTRY USE ONLY

Data source	Contractor	Date received
	4875	AUG 16 1999

Date of inspection — Inspector

Remarks

CSS.ES0

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Ontario Ministry of the Environment

The Ontario Water Resources Act
WATER WELL RECORD

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

11 1530682 Municipality 1501 Con. CON 04

County or District: OTTAWA-CARLETON
Township/Borough/City/Town/Village: TWP OF WEST CARLETON (Fotherden)
Con block tract survey, etc.: CONCESSION 4
Lot: 1
[redacted]
Address: 126 Grasshopper, Dunrobin, Ontario
Date completed: 12 day 08 month 99 year
21 Northing RC Elevation RC Basin Code

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)

General colour	Most common material	Other materials	General description	Depth - feet From	Depth - feet To
GREY	SANDY CLAY			0	12
BROWN/	SAND			12	40
GREY					

31
32

41 WATER RECORD

Water found at - feet	Kind of water
36-40	1 [X] Fresh 2 [ ] Salty 3 [ ] Sulphur 4 [ ] Minerals 5 [ ] Gas
	1 [ ] Fresh 2 [ ] Salty 3 [ ] Sulphur 4 [ ] Minerals 5 [ ] Gas
	1 [ ] Fresh 2 [ ] Salty 3 [ ] Sulphur 4 [ ] Minerals 5 [ ] Gas
	1 [ ] Fresh 2 [ ] Salty 3 [ ] Sulphur 4 [ ] Minerals 5 [ ] Gas
	1 [ ] Fresh 2 [ ] Salty 3 [ ] Sulphur 4 [ ] Minerals 5 [ ] Gas

51 CASING & OPEN HOLE RECORD

Inside diam inches	Material	Wall thickness inches	Depth - feet From	Depth - feet To
6¼"	1 [X] Steel 2 [ ] Galvanized 3 [ ] Concrete 4 [ ] Open hole 5 [ ] Plastic	.188	+2	36
Screen 5½"	1 [ ] Steel 2 [ ] Galvanized 3 [ ] Concrete 4 [X] Open hole 5 [ ] Plastic		36	40
	1 [ ] Steel 2 [ ] Galvanized 3 [ ] Concrete 4 [ ] Open hole 5 [ ] Plastic			

SCREEN

Sizes of opening (Slot No.)	Diameter	Length
SLOT #16	5½ inches	4 feet

Material and type: Stainless, Klemsope
Depth at top of screen: 36 feet

61 PLUGGING & SEALING RECORD

[X] Annular space [ ] Abandonment

Depth set at - feet From	Depth set at - feet To	Material and type (Cement grout, bentonite, etc.)
1	20	Grout

71 PUMPING TEST

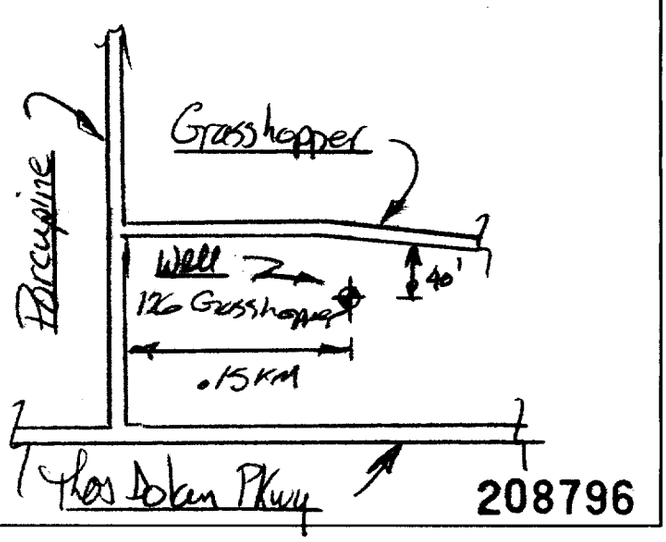
Pumping test method: 1 [ ] Pump 2 [X] Bailer
Pumping rate: 10 GPM
Duration of pumping: 1 Hours 0 Mins

Static level	Water level end of pumping	Water levels during: 1 [X] Pumping 2 [ ] Recovery			
		15 minutes	30 minutes	45 minutes	60 minutes
5 feet	12 feet	12 feet	12 feet	12 feet	12 feet

If flowing give rate: GPM
Pump intake set at: 30 feet
Water at end of test: [ ] Clear [X] Cloudy
Recommended pump type: [X] Shallow [X] Deep
Recommended pump setting: 30 feet
Recommended pump rate: 5 GPM

LOCATION OF WELL

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



FINAL STATUS OF WELL

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

WATER USE

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

METHOD OF CONSTRUCTION

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

Name of Well Contractor: STANTON DRILLING INC
Well Contractor's Licence No.: 4875
Address: BOX 219, Pakenham, Ontario
Name of Well Technician: Peter Stanton
Well Technician's Licence No.: T-0086
Signature of Technician/contractor:
Submission date: 17 day 08 mo 99 yr

MINISTRY USE ONLY

Data source
Contractor: 4875
Date received: AUG 30 1999
Date of inspection
Inspector
Remarks: CSS.ES0

2 - MINISTRY OF THE ENVIRONMENT COPY

0506 (11/98) Front Form 9

Ontario **Ministry of the Environment**

The Ontario Water Resources Act

WATER WELL RECORD

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

11 **1530766** Municipality 15006 Con. CON 04

County or District	Township/Borough/City/Town/Village	Con block tract survey, etc.	Lot
OTTAWA-CARLETON	KANATA RURAL (March)	CONCESSION 4	27

Owner's surname	First Name	Address	Date completed
[redacted]		2692 Dunrobin Rd, Dunrobin, Ont.	18 08 99 (day month year)

21 Zone Easting Northing RC Elevation RC Basin Code

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)

General colour	Most common material	Other materials	General description	Depth - feet From	Depth - feet To
GREY	CLAY			0	15
BLUE	CLAY			15	32
GREY	SAND		FINE	32	57

31

32

41 WATER RECORD

Water found at - feet	Kind of water
53-57	2 Salty

51 CASING & OPEN HOLE RECORD

Inside diam inches	Material	Wall thickness inches	Depth - feet From	Depth - feet To
6¼"	1 Steel	.188"	+1'6"	53
Screen	4 Open hole		53	57.

SCREEN

Sizes of opening (Slot No.)	Diameter	Length
SLOT #6	5½ inches	4 feet

Material and type: Stainless / Telescope

Depth at top of screen: 53'

61 PLUGGING & SEALING RECORD

☒ Annular space ☐ Abandonment

Depth set at - feet From	Depth set at - feet To	Material and type (Cement grout, bentonite, etc.)
4	32	Holeplug grout

71 PUMPING TEST

Pumping test method: 1 ☐ Pump 2 ☒ Bailer

Pumping rate: 6 GPM

Duration of pumping: 1 Hours 0 Mins

Water levels during: 1 ☒ Pumping 2 ☐ Recovery

Static level	Water level end of pumping	15 minutes	30 minutes	45 minutes	60 minutes
18 feet	25 feet	24 feet	25 feet	25 feet	25 feet

If flowing give rate: — GPM

Pump intake set at: 50 feet

Water at end of test: ☒ Clear ☐ Cloudy

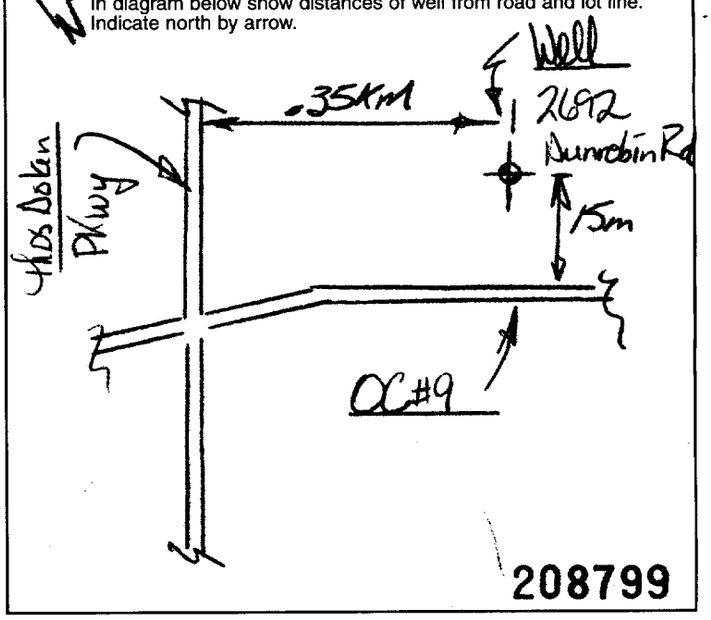
Recommended pump type: ☐ Shallow ☒ Deep

Recommended pump setting: 50 feet

Recommended pump rate: 5 GPM

LOCATION OF WELL

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



208799

FINAL STATUS OF WELL 54

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

WATER USE 55-56

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

METHOD OF CONSTRUCTION 57

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

Name of Well Contractor	Well Contractor's Licence No.
STANTON DRILLING INC	4875
Address: Box 219, Pakenham, Ont.	
Name of Well Technician: Peter Stanton	Well Technician's Licence No. T-0086
Signature of Technician/Contractor	Submission date: day 24 mo 08 yr 99

MINISTRY USE ONLY

Data source 58	Contractor 59-62	Date received 63-68	80
	4875	SEP 23 1999	
Date of inspection	Inspector		
Remarks			

CSS.ES0

0506 (11/98) Front Form 9

2 - MINISTRY OF THE ENVIRONMENT COPY

Ontario **Ministry of the Environment**

The Ontario Water Resources Act
WATER WELL RECORD

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

11 **1530767** Municipality 15006 Con. CON 04

County or District	Township/Borough/City/Town/Village	Con block tract survey, etc.	Lot
OTTAWA CARLETON	KANATA RURAL (March)	CONCESSION 4	27

Owner's surname	First Name	Address	Date completed
BLACK CONSTRUCTION		2123 Chalmers Rd, Ottawa, Ont.	19 08 99 (day month year)

21 Zone Easting Northing RC Elevation RC Basin Code

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)

General colour	Most common material	Other materials	General description	Depth - feet From	Depth - feet To
GREY	CLAY			0	10
BLUE	CLAY			10	19
GREY	SAND		FINE	19	47

31

32

41 WATER RECORD

Water found at - feet	Kind of water
47	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 5 ☐ Gas — WATER WELL
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 5 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 5 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 5 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 5 ☐ Gas

51 CASING & OPEN HOLE RECORD

Inside diam inches	Material	Wall thickness inches	Depth - feet From	Depth - feet To
6¼"	1 ☒ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic	0.188"	+2	43
Screen	1 ☐ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☒ Open hole 5 ☐ Plastic		43	47
	1 ☐ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic			

SCREEN

Sizes of opening (Slot No.)	Diameter	Length	Material and type	Depth at top of screen
SLOT #8	5½ inches	4 feet	Stainless / Release	43 feet

61 PLUGGING & SEALING RECORD

☒ Annular space ☐ Abandonment

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

71 PUMPING TEST

Pumping test method: 1 ☐ Pump 2 ☒ Bailer
Pumping rate: 10 GPM
Duration of pumping: 1 Hours 0 Mins

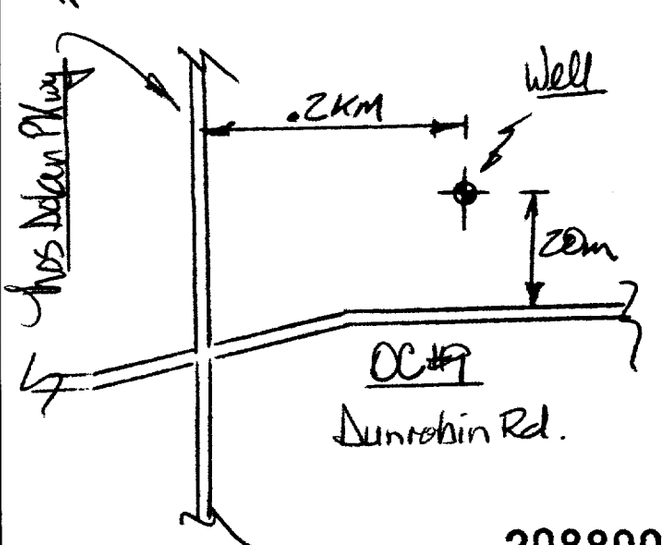
Static level	Water level end of pumping	Water levels during: 1 ☒ Pumping 2 ☐ Recovery			
		15 minutes	30 minutes	45 minutes	60 minutes
18 feet	24 feet	24 feet	24 feet	24 feet	24 feet

If flowing give rate: — GPM
Pump intake set at: 40 feet
Water at end of test: ☒ Clear ☐ Cloudy

Recommended pump type: ☐ Shallow ☒ Deep
Recommended pump setting: 40 feet
Recommended pump rate: 5 GPM

LOCATION OF WELL

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



208800

FINAL STATUS OF WELL

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

WATER USE

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

METHOD OF CONSTRUCTION

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

Name of Well Contractor	Well Contractor's Licence No.
STANTON DRILLING INC	4875
Address: BOX 219, Pakenham, Ont.	
Name of Well Technician: Rick Stanton	Well Technician's Licence No. T-0086
Signature of Technician/Contractor	Submission date: day 7 mo 09 yr 99

MINISTRY USE ONLY

Data source 58	Contractor 59-62	Date received 63-68
	4875	SEP 23 1999
Date of inspection	Inspector	
Remarks		CSS.ES0

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0506 (11/98) Front Form 9

Ontario Ministry of the Environment

The Ontario Water Resources Act
WATER WELL RECORD

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

11 **1530768**

Municipality 15006 Con CON 03

County or District	Township/Borough/City/Town/Village	Con block tract survey, etc.	Lot
OTTAWA-CARLETON	KANATA RURAL (March)	CONCESSION 3	17

Address: 2751 Dunrobin Rd, Dunrobin, ON

Date completed: 20 day 08 month 99 year

21 Northing RC Elevation RC Basin Code

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)

General colour	Most common material	Other materials	General description	Depth - feet From	Depth - feet To
BROWN	SAND			0	20
GREY	SAND			20	35
RED/BLACK	GRAVEL	SAND	COARSE	35	41

31

32

41 WATER RECORD

Water found at - feet	Kind of water
38-41	2 Salty (NOT TESTED)

51 CASING & OPEN HOLE RECORD

Inside diam inches	Material	Wall thickness inches	Depth - feet From	Depth - feet To
6¼"	1 Steel	.188"	+2	38
Screen	4 Open hole		38	41

SCREEN

Sizes of opening (Slot No.)	Diameter	Length
SLOT #30	5" inches	3 feet

Material and type	Depth at top of screen
Stainless / Release	38 feet

61 PLUGGING & SEALING RECORD

Annular space ☒ Abandonment ☐

Depth set at - feet From	Depth set at - feet To	Material and type (Cement grout, bentonite, etc.)
2	20	Holeplug grout

71 PUMPING TEST

Pumping test method: 1 ☐ Pump 2 ☒ Bailer

Pumping rate: 12 GPM

Duration of pumping: 1 Hours 15 Mins

Water levels during: 1 ☒ Pumping 2 ☐ Recovery

Static level	Water level end of pumping	15 minutes	30 minutes	45 minutes	60 minutes
18 feet	19 feet	19 feet	19 feet	19 feet	19 feet

If flowing give rate: ——— GPM

Pump intake set at: 30 feet

Water at end of test: ☒ Clear ☐ Cloudy

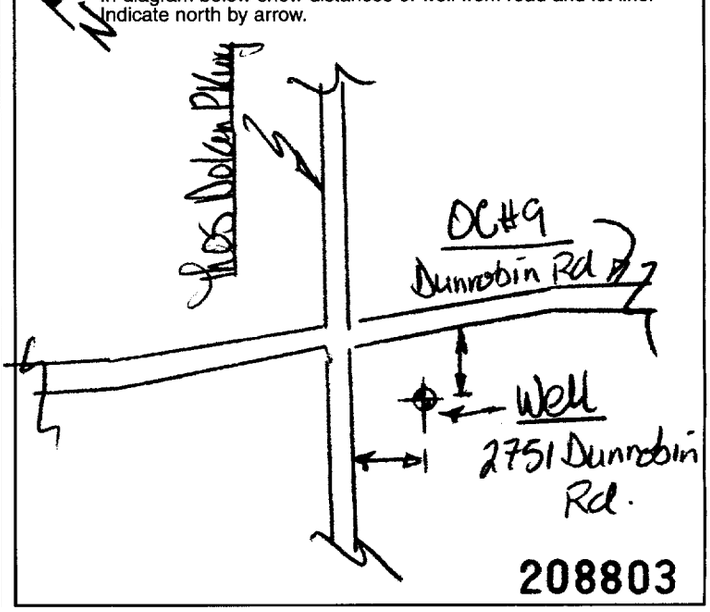
Recommended pump type: ☒ Shallow ☒ Deep

Recommended pump setting: 25 feet

Recommended pump rate: 5 GPM

LOCATION OF WELL

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



208803

FINAL STATUS OF WELL

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

WATER USE

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

METHOD OF CONSTRUCTION

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

Name of Well Contractor	Well Contractor's Licence No.
STANTON DRILLING INC	4875
Address: BOX 219, Pakenham, Ontario	
Name of Well Technician: Peter Stanton	Well Technician's Licence No. T-0086
Signature of Technician/Contractor	Submission date: 24 day 08 mo 99 yr

MINISTRY USE ONLY

Data source 58 | Contractor 4875 59-62 | Date received SEP 23 1999 63-68

Date of inspection | Inspector

Remarks

CSS.ES0

0506 (11/98) Front Form 9

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Ontario **Ministry of the Environment**

The Ontario Water Resources Act
WATER WELL RECORD

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

11 — 1530770 — Municipality ISAIO — Con. CON 03

County or District: OTTAWA-CARLETON

Township/Borough/City/Town/Village: TWP OF WEST CARLETON (Torbolton)

Con block tract survey, etc.: CONCESSION 3

Lot: 1

Address: 2821 Dunrobin Rd, Dunrobin Ont.

Date completed: 19 day 08 month 99 year

21 — Northing — RC — Elevation — RC — Basin Code — II — III — IV

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)

General colour	Most common material	Other materials	General description	Depth - feet From	Depth - feet To
GREY	CLAY			0	12
BLUE	CLAY			12	25
GREY	SAND			25	40

31

32

41 WATER RECORD

Water found at - feet	Kind of water
36-40	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals — NOT TESTED
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 5 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas

51 CASING & OPEN HOLE RECORD

Inside diam inches	Material	Wall thickness inches	Depth - feet From	Depth - feet To
6¼"	1 ☒ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic	.188"	+2	36
Screen	1 ☐ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☒ Open hole 5 ☐ Plastic		36	40
	1 ☐ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic			

SCREEN

Sizes of opening (Slot No.): SLOT 8 — Diameter: 5½ inches — Length: 4 feet

Material and type: Stainless Steel — Depth at top of screen: 36 feet

61 PLUGGING & SEALING RECORD

☒ Annular space ☐ Abandonment

Depth set at - feet From	Depth set at - feet To	Material and type (Cement grout, bentonite, etc.)
2	25	Holeplug grout.

PUMPING TEST

71 — Pumping test method: 1 ☐ Pump 2 ☒ Bailer — Pumping rate: 10 GPM — Duration of pumping: 1 Hours 0 Mins

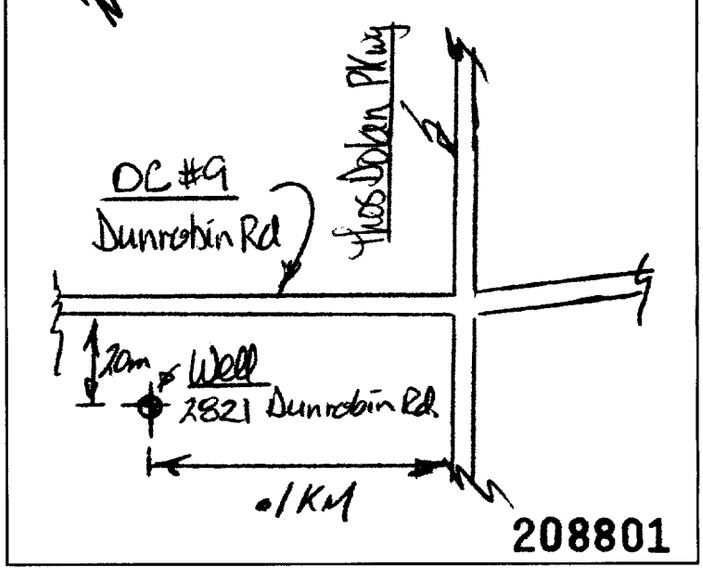
Static level	Water level end of pumping	Water levels during: 1 ☒ Pumping 2 ☐ Recovery			
18 feet	24 feet	15 minutes: 24 feet	30 minutes: 24 feet	45 minutes: 24 feet	60 minutes: 24 feet

If flowing give rate: — GPM — Pump intake set at: 30 feet — Water at end of test: ☒ Clear ☐ Cloudy

Recommended pump type: ☐ Shallow ☒ Deep — Recommended pump setting: 30 feet — Recommended pump rate: 5 GPM

LOCATION OF WELL

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



208801

FINAL STATUS OF WELL 54

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

WATER USE 55-56

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

METHOD OF CONSTRUCTION 57

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

Name of Well Contractor: STANTON DRILLING INC — Well Contractor's Licence No.: 4875

Address: BOX 219, Pakenham, Ont.

Name of Well Technician: Peter Stanton — Well Technician's Licence No.: T-0086

Signature of Technician/Contractor — Submission date: 24 08 99 (day mo yr)

MINISTRY USE ONLY

Data source 58 — Contractor 59-62: 4875 — Date received 63-68: SEP 23 1999 — 80

Date of inspection — Inspector

Remarks: CSS.ES0

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Ontario **Ministry of the Environment**

The Ontario Water Resources Act
WATER WELL RECORD

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

11 **1530809** Municipality 15010 Con. CON 04

County or District	Township/Borough/City/Town/Village	Con block tract survey, etc.	Lot
OTTAWA-CARLETON	TWP. OF WEST CARLETON (Geraldton)	CONCESSION 4	1

Address: 150 Isabella St, Ottawo, Ontario. Date completed: 26 day 08 month 99 year

21 Northing RC Elevation RC Basin Code II III IV

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)

General colour	Most common material	Other materials	General description	Depth - feet From	Depth - feet To
BROWN	SAND			0	12
BROWN/	SAND			12	21
GREY					
BLUE	CLAY			21	22

31

32

41 WATER RECORD

Water found at - feet	Kind of water
17-21	1 ☒ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 5 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 5 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 5 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 5 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 5 ☐ Gas

51 CASING & OPEN HOLE RECORD

Inside diam inches	Material	Wall thickness inches	Depth - feet From	Depth - feet To
5"	1 ☒ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic	.188	+2	17
Screen	1 ☐ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☒ Open hole 5 ☐ Plastic		17	21
9"	1 ☐ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☒ Open hole 5 ☐ Plastic		0	22

SCREEN

Sizes of opening (Slot No.)	Diameter	Length
SLOT 20	5½ inches	4 feet

Material and type: Stainless — Depth at top of screen: 17 feet

61 PLUGGING & SEALING RECORD

☒ Annular space ☐ Abandonment

Depth set at - feet From	Depth set at - feet To	Material and type (Cement grout, bentonite, etc.)
3	17	Gravel / (Gravel Pack. #3 Filter)

71 PUMPING TEST

Pumping test method: 1 ☒ Pump 2 ☐ Bailer — Pumping rate: 15 GPM — Duration of pumping: 4 Hours 0 Mins

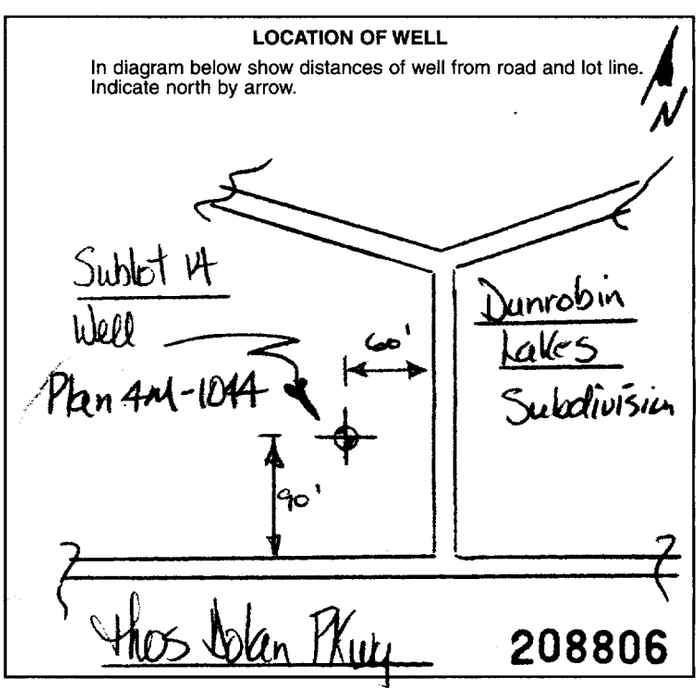
Static level	Water level end of pumping	Water levels during: 1 ☒ Pumping 2 ☐ Recovery			
		15 minutes	30 minutes	45 minutes	60 minutes
5 feet	7 feet	7 feet	7 feet	7 feet	7 feet

If flowing give rate: ——— GPM — Pump intake set at: 15 feet — Water at end of test: ☒ Clear ☐ Cloudy

Recommended pump type: ☒ Shallow ☐ Deep — Recommended pump setting: 15 feet — Recommended pump rate: 5 GPM

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

WATER USE

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

METHOD OF CONSTRUCTION

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

Name of Well Contractor	Well Contractor's Licence No.
STANTON DRILLING INC.	4875
Address: BOX 219, Pakenham, Ont. K0A 2X0	
Name of Well Technician: Terry Stanton	Well Technician's Licence No. T-0005
Signature of Technician/Contractor	Submission date: day 15 mo 08 yr 99.

MINISTRY USE ONLY

Data source — Contractor: 4875 — Date received: OCT 19 1999

Date of inspection — Inspector

Remarks: CSS.ES0

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Ontario Ministry of the Environment

The Ontario Water Resources Act
WATER WELL RECORD

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

11 **1530811** Municipality 15010 Con CON. 03

County or District	Township/Borough/City/Town/Village	Con block tract survey, etc.	Lot
OTTAWA-CARLETON	TWP. OF WEST CARLETON (Torbolton)	CONCESSION 3	1

Address: [redacted] 22 Grandview, Nepean Ontario

Date completed: 03 day 09 month 99 year

21 Northing RC Elevation RC Basin Code

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)

General colour	Most common material	Other materials	General description	Depth - feet From	Depth - feet To
BROWN	SAND	CLAY		0	22
GREY	SAND			22	41

31

32

41 WATER RECORD

Water found at - feet	Kind of water
37-41	1 [X] Fresh 2 [ ] Salty 3 [ ] Sulphur 4 [ ] Minerals 5 [ ] Gas
	1 [ ] Fresh 2 [ ] Salty 3 [ ] Sulphur 4 [ ] Minerals 5 [ ] Gas
	1 [ ] Fresh 2 [ ] Salty 3 [ ] Sulphur 4 [ ] Minerals 5 [ ] Gas
	1 [ ] Fresh 2 [ ] Salty 3 [ ] Sulphur 4 [ ] Minerals 5 [ ] Gas
	1 [ ] Fresh 2 [ ] Salty 3 [ ] Sulphur 4 [ ] Minerals 5 [ ] Gas

51 CASING & OPEN HOLE RECORD

Inside diam inches	Material	Wall thickness inches	Depth - feet From	Depth - feet To
6¼"	1 [X] Steel 2 [ ] Galvanized 3 [ ] Concrete 4 [ ] Open hole 5 [ ] Plastic	.188"	+2	37
Screen	1 [ ] Steel 2 [ ] Galvanized 3 [ ] Concrete 4 [X] Open hole 5 [X] Plastic		37	41
	1 [ ] Steel 2 [ ] Galvanized 3 [ ] Concrete 4 [ ] Open hole 5 [ ] Plastic			

SCREEN

Sizes of opening (Slot No.)	Diameter	Length
SLOT 8	5½ inches	4 feet

Material and type: Stainless / Katscape

Depth at top of screen: 37 feet

61 PLUGGING & SEALING RECORD

[X] Annular space [ ] Abandonment

Depth set at - feet From	Depth set at - feet To	Material and type (Cement grout, bentonite, etc.)
4	20	Bentonite grout.

PUMPING TEST

71 Pumping test method: 1 [ ] Pump 2 [X] Bailer

Pumping rate: 8 GPM

Duration of pumping: 1 Hours 0 Mins

Water levels during: 1 [X] Pumping 2 [ ] Recovery

Static level	Water level end of pumping	15 minutes	30 minutes	45 minutes	60 minutes
18 feet	20 feet	20 feet	20 feet	20 feet	20 feet

If flowing give rate: — GPM

Pump intake set at: 30 feet

Water at end of test: [ ] Clear [X] Cloudy

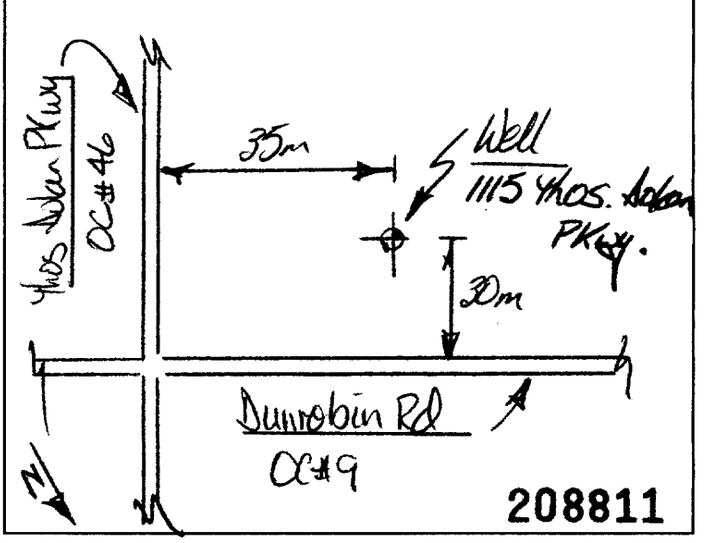
Recommended pump type: [ ] Shallow [X] Deep

Recommended pump setting: 30 feet

Recommended pump rate: 5-10 GPM

LOCATION OF WELL

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



FINAL STATUS OF WELL

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

WATER USE

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

METHOD OF CONSTRUCTION

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

Name of Well Contractor	Well Contractor's Licence No.
STANTON DRILLING INC	4875
Address: BOX 219, Pakenham, Ont.	
Name of Well Technician: Peter Stanton	Well Technician's Licence No. T-0006
Signature of Technician/Contractor	Submission date: 20 day 09 mo 99 yr

MINISTRY USE ONLY

Data source 58 | Contractor 59-62: 4875 | Date received 63-68: OCT 19 1999 | 80

Date of inspection | Inspector

Remarks: CSS.ES0

Ontario **Ministry of the Environment**

The Ontario Water Resources Act

WATER WELL RECORD

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

11 **1531603** Municipality 15010 Con. CON 03

County or District	Township/Borough/City/Town/Village	Con block tract survey, etc.	Lot
OTTAWA-CARLETON	WEST CARLETON (formerly)	CONCESSION 3.	1

Owner's surname	First Name	Address	Date completed
SIERRA PROPERTIES INC.		60 Robertson Rd, Nepean, Ont.	08 11 2000 (day month year)

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

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)

General colour	Most common material	Other materials	General description	Depth - feet From	Depth - feet To
Official record of abandonment of MOE well record # 59219 drilled by Wally Reilly and inspected by Steve Wagner McCaffrey Engineering Nov 8/00 PM.					

31

32

41 WATER RECORD

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

51 CASING & OPEN HOLE RECORD

Inside diam inches	Material	Wall thickness inches	Depth - feet From	Depth - feet To
	1 Steel 2 Galvanized 3 Concrete 4 Open hole 5 Plastic			
	1 Steel 2 Galvanized 3 Concrete 4 Open hole 5 Plastic			
	1 Steel 2 Galvanized 3 Concrete 4 Open hole 5 Plastic			

SCREEN

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

Material and type | Depth at top of screen feet

61 PLUGGING & SEALING RECORD

☐ Annular space ☒ Abandonment

Depth set - From	Depth set - To	Material and type (Cement grout, bentonite, etc.)
2	37	Holeplug grout.

71 PUMPING TEST

Pumping test method (1 Pump 2 Bailer)	Pumping rate GPM	Duration of pumping Hours Mins

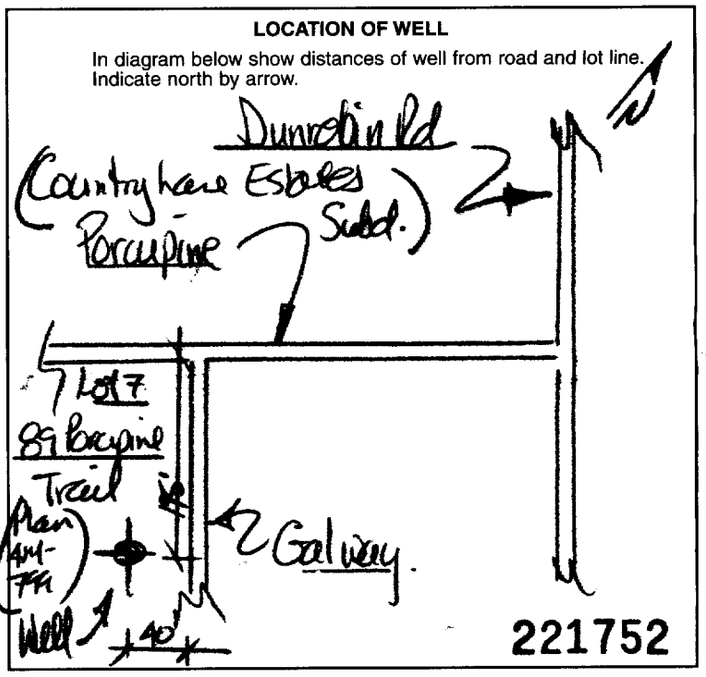
Static level feet	Water level end of pumping feet	Water levels during: 1 Pumping 2 Recovery			
		15 minutes feet	30 minutes feet	45 minutes feet	60 minutes feet

If flowing give rate GPM	Pump intake set at feet	Water at end of test ☐ Clear ☐ Cloudy

Recommended pump type ☐ Shallow ☐ Deep	Recommended pump setting feet	Recommended pump rate GPM

LOCATION OF WELL

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



221752

FINAL STATUS OF WELL 54

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

WATER USE 55-56

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

METHOD OF CONSTRUCTION 57

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

Name of Well Contractor	Well Contractor's Licence No.
STANTON DRILLING INC	4875

Address	
BOX 219, Pakenham, Ont. K0A 2X0	

Name of Well Technician	Well Technician's Licence No.
Peter Stanton	T0006

Signature of Technician/Contractor	Submission date
	01 11 2000 (day mo yr)

2 - MINISTRY OF THE ENVIRONMENT COPY

MINISTRY USE ONLY

Data source 58	Contractor 59-62	Date received 63-68
	4875	DEC 01 2000

Date of inspection	Inspector

Remarks: CSS.ESO

0506 (11/98) Front Form 9

Ontario **Ministry of the Environment**

The Ontario Water Resources Act

WATER WELL RECORD

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

11 **1531604** Municipality 15010 Con. CON 04

County or District	Township/Borough/City/Town/Village	Con block tract survey, etc.	Lot
OTTAWA-CARLETON	WEST CARLETON (Torbolton)	CONCESSION 4	1

Address: 150 Isabella, Ottawa, Ont. K1S 1V7

Date completed: 26 (day) 08 (month) 00 (year)

21 UTM Northing RC Elevation RC Basin Code ii iii iv

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)

General colour	Most common material	Other materials	General description	Depth - feet From	Depth - feet To
BROWN	SAND			0	12
GREY	SAND			12	24
GREY	CLAY			24	26

31

32

41 WATER RECORD

Water found at - feet	Kind of water
24	1 [X] Fresh 2 [ ] Salty 3 [ ] Sulphur 4 [ ] Minerals 6 [ ] Gas
	1 [ ] Fresh 2 [ ] Salty 3 [ ] Sulphur 4 [ ] Minerals 6 [ ] Gas
	1 [ ] Fresh 2 [ ] Salty 3 [ ] Sulphur 4 [ ] Minerals 6 [ ] Gas
	1 [ ] Fresh 2 [ ] Salty 3 [ ] Sulphur 4 [ ] Minerals 6 [ ] Gas
	1 [ ] Fresh 2 [ ] Salty 3 [ ] Sulphur 4 [ ] Minerals 6 [ ] Gas

51 CASING & OPEN HOLE RECORD

Inside diam inches	Material	Wall thickness inches	Depth - feet From	Depth - feet To
5½"	1 [X] Steel 2 [ ] Galvanized 3 [ ] Concrete 4 [ ] Open hole 5 [ ] Plastic	.188"	+2	19
5½"	1 [ ] Steel 2 [ ] Galvanized 3 [ ] Concrete 4 [X] Open hole 5 [ ] Plastic	SCREEN	19	23
	1 [ ] Steel 2 [ ] Galvanized 3 [ ] Concrete 4 [ ] Open hole 5 [ ] Plastic			

SCREEN

Sizes of opening (Slot No.)	Diameter	Length
SLOT #12	5½ inches	4 feet

Material and type: STAINLESS / PIPE

Depth at top of screen: 19 feet

61 PLUGGING & SEALING RECORD

[X] Annular space [ ] Abandonment

Depth set at - feet From	Depth set at - feet To	Material and type (Cement grout, bentonite, etc.)
24	18	#3 FILTER
0	16	Hole plug grout

71 PUMPING TEST

Pumping test method: 1 [X] Pump 2 [ ] Bailer

Pumping rate: 10 GPM

Duration of pumping: 3 Hours 30 Mins

Static level	Water level end of pumping	Water levels during: 1 [X] Pumping 2 [ ] Recovery			
		15 minutes	30 minutes	45 minutes	60 minutes
4 feet	5 feet	5 feet	5 feet	5 feet	5 feet

If flowing give rate: ____ GPM

Pump intake set at: 15 feet

Water at end of test: [X] Clear [ ] Cloudy

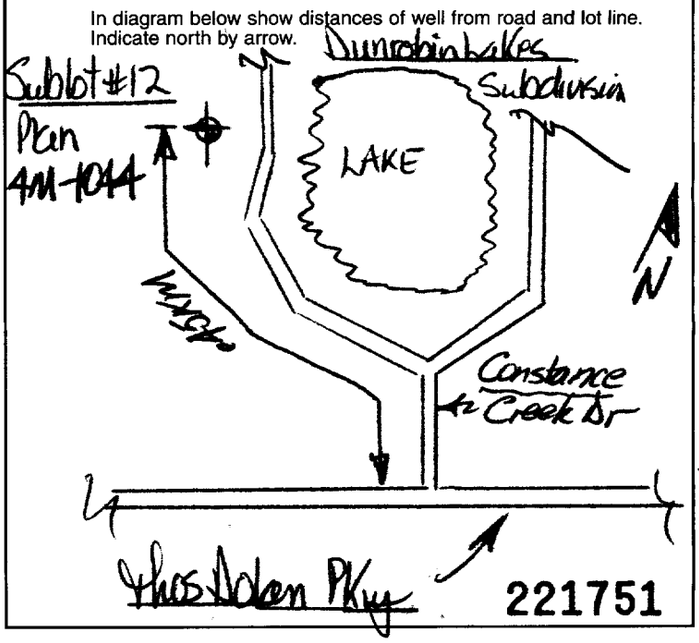
Recommended pump type: [X] Shallow [ ] Deep

Recommended pump setting: 15 feet

Recommended pump rate: 10 GPM

LOCATION OF WELL

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



FINAL STATUS OF WELL 54

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

WATER USE 55-56

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

METHOD OF CONSTRUCTION 57

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

Name of Well Contractor	Well Contractor's Licence No.
STAVEN DRILLING INC	4875

Address: 604-17th Conc. South, Box 279, Pakenham, ON

Name of Well Technician	Well Technician's Licence No.
PETER JA STAVEN	T-0086

Signature of Technician/Contractor

Submission date: 28 (day) 08 (month) 00 (year)

MINISTRY USE ONLY

Data source 58 | Contractor 4875 59-62 | Date received DEC 01 2000 63-68 80

Date of inspection | Inspector

Remarks

CSS.ESO

Ontario Ministry of the Environment

The Ontario Water Resources Act
WATER WELL RECORD

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

11 (1 2) **1531692** Municipality 15010 (10 14) Con. CON (15 22 23 24) 04

County or District	Township/Borough/City/Town/Village	Con block tract survey, etc.	Lot (25-27)
Ottawa Carleton	West Carleton - Torbolton	4	1

[redacted]

Address: Box 219 Pakenham,Ontario K0A 2X0

Date completed (48-53): 24 day 11 month 00 year

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

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)

General colour	Most common material	Other materials	General description	Depth - feet From	Depth - feet To
Brown	Sand			0	14
Gray	Clay			14	30
Gray	Sand, Clay	Stones		30	39
Gray	Limestone		Medium	39	123

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

41 WATER RECORD

Water found at - feet	Kind of water
(10-13) 120	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 5 ☐ Gas (14) NOT TESTED
(15-18)	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas (19)
(20-23)	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas (24)
(25-28)	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas (29)
(30-33)	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas (34) (60)

51 CASING & OPEN HOLE RECORD

Inside diam inches	Material	Wall thickness inches	Depth - feet From	Depth - feet To
6 1/4 (11)	1 ☒ Steel (12) 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic	.188	0	44.5
(17-18) 6 1/32	1 ☐ Steel (19) 2 ☐ Galvanized 3 ☐ Concrete 4 ☒ Open hole 5 ☐ Plastic		44.5	123 (20-23)
(24-25)	1 ☐ Steel (26) 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic			(27-30)

SCREEN

Sizes of opening (Slot No.) (31-33)	Diameter (34-38) inches	Length (39-40) feet

Material and type	Depth at top of screen (41-44) feet	(30)

61 PLUGGING & SEALING RECORD

☒ Annular space ☐ Abandonment

Depth set at - feet From	Depth set at - feet To	Material and type (Cement grout, bentonite, etc.)
(10-13) 43	(14-17) 0	Grouted - Bentonite (4)
(18-21)	(22-25)	Cement (13)
(26-29)	(30-33)	(80)

71 PUMPING TEST

Pumping test method (10)	Pumping rate (11-14)	Duration of pumping (15-16 Hours, 17-18 Mins)
1 ☒ Pump 2 ☐ Bailer	7 GPM	3 Hours

Static level (19-21)	Water level end of pumping (22-24)	Water levels during (25)	15 minutes (26-28)	30 minutes (29-31)	45 minutes (32-34)	60 minutes (35-37)
3 feet	8 feet	1 ☒ Pumping 2 ☐ Recovery	5 feet	6 feet	7 feet	7 feet

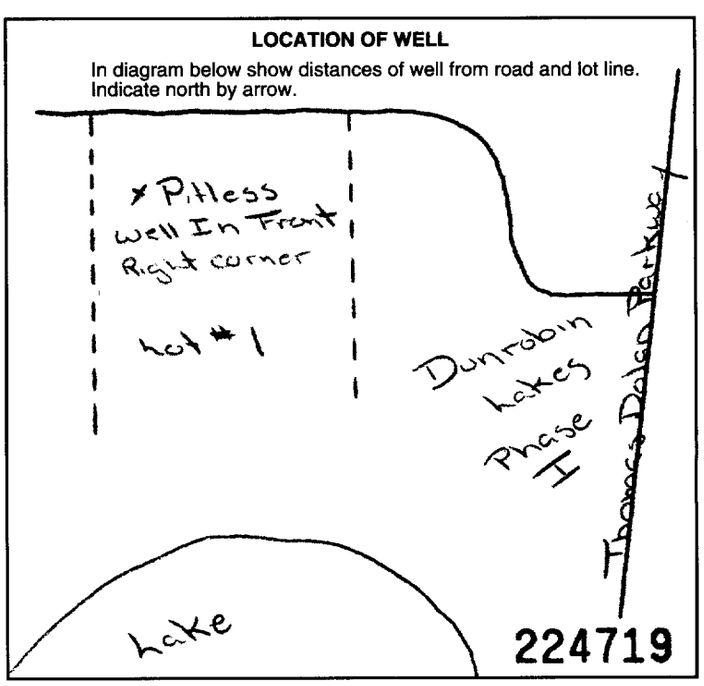
If flowing give rate (38-41)	Pump intake set at	Water at end of test (42)
GPM	feet	☐ Clear ☒ Cloudy

Recommended pump type	Recommended pump setting (43-45)	Recommended pump rate (46-49)
☐ Shallow ☒ Deep	80 feet	5 GPM

(50-53)

LOCATION OF WELL

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



FINAL STATUS OF WELL (54)

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

WATER USE (55-56)

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

METHOD OF CONSTRUCTION (57)

1 ☒ Cable tool 123 2 ☐ Rotary (conventional) 3 ☐ Rotary (reverse) 4 ☒ Rotary (air) 5 ☒ Air percussion 6 ☐ Boring 7 ☐ Diamond 8 ☐ Jetting 9 ☐ Driving 10 ☐ Digging 11 ☐ Other

Name of Well Contractor	Well Contractor's Licence No.
Capital Water Supply Ltd.	1558

Address: P.O. Box 490 Stittsville,Ontario K2S 1A6

Name of Well Technician	Well Technician's Licence No.
S. Miller / P. Stanton	T0097/T0086

Signature of Technician/Contractor

Submission date: day 29 mo 11 yr 00

MINISTRY USE ONLY

Data source (58)	Contractor (59-62)	Date received (63-68) (80)
	1558	JAN 3 0 2001

Date of inspection	Inspector

Remarks: CSS.ES1

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Ontario **Ministry of the Environment**

The Ontario Water Resources Act
WATER WELL RECORD

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

OTTAWA-CARLETON

11 **1532737** Municipality 15010 Con

County or District: WEST CARLETON

Township/Borough/City/Town/Village:

Con block tract survey, etc.:

Lot: #9

Address: 5358 Fernbank, Stittsville

Date completed: 15 day 05 month 2002 year

21 Northing ONTARIO RC Elevation RC Basin Code

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)

General colour	Most common material	Other materials	General description	Depth - feet From	Depth - feet To
	Well Test	42' Deep with 20' CASSING			

31

32

41 WATER RECORD

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

51 CASING & OPEN HOLE RECORD

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

SCREEN

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

61 PLUGGING & SEALING RECORD

☐ Annular space ☐ Abandonment

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

71 PUMPING TEST

Pumping test method 10: 1 ☑ Pump 2 ☐ Bailer

Pumping rate 11-14: 7 GPM

Duration of pumping 15-16 Hours 17-18 00 Mins

Water levels during: ☐ Pumping 2 ☐ Recovery

Static level 19-21	Water level end of pumping 22-24	15 minutes 26-28	30 minutes 29-31	45 minutes 32-34	60 minutes 35-37
1 feet	2 feet	2 feet	2 feet	2 feet	2 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

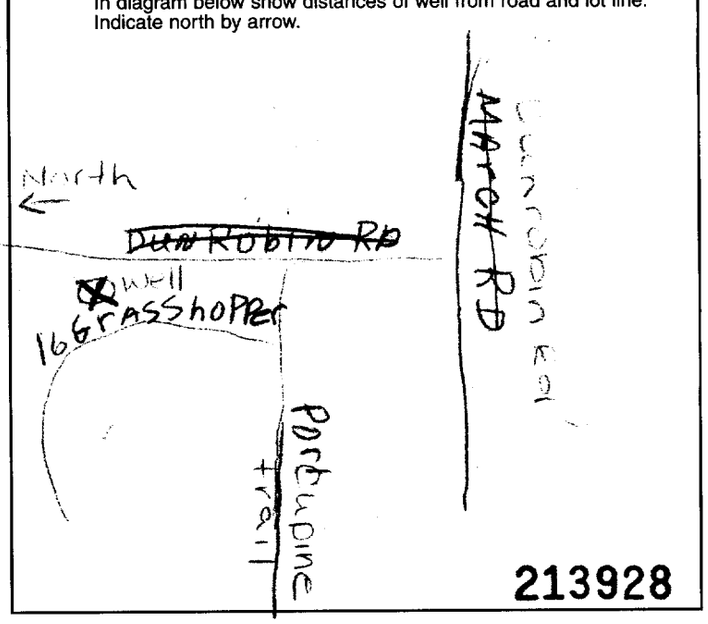
Recommended pump setting 43-45: 30 feet

Recommended pump rate 46-49: 10 GPM

50-53

LOCATION OF WELL

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



213928

FINAL STATUS OF WELL 54

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

WATER USE 55-56

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

METHOD OF CONSTRUCTION 57

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

Name of Well Contractor: EDMOND MAINVILLE Drilling
Well Contractor's Licence No.: 6007
Address: RR1, CHAPEAU QUEBEC J0X 1M0
Name of Well Technician: EDMOND MAINVILLE
Well Technician's Licence No.: T0626
Signature of Technician/Contractor: Edmond Mainville
Submission date: 15 day 05 mo 2002 yr

MINISTRY USE ONLY

Data source 58
Contractor 59-62: 6007
Date received 63-68: MAY 28 2002 80
Date of inspection
Inspector
Remarks: CSS.ES2

0506 (11/98) Front Form 9

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Ontario **Ministry of the Environment**

The Ontario Water Resources Act
WATER WELL RECORD

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

11 (1–2) **1532744** Municipality 15010 (10–14) Con. CON (15–22) 04 (23–24)

County or District	Township/Borough/City/Town/Village	Con. block tract survey, etc.	Lot (25-27)
OTTAWA-CARLETON	Torbolton (Ward Carleton)	Concession 4	1

Owner's surname (28-47)	First Name	Address	Date completed (48-53)
HICKLING CORP.		150 Isabella St, Ottawa, Ont.	24 04 02 (day month year)

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

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)

General colour	Most common material	Other materials	General description	Depth - feet From	Depth - feet To
			Water well record #241190 issued to verify abandonment of 6"ϕ x 155' drilled well. (Well drilled 29/07/00 by JR DRILLING)	0	155.

31 (1–10)
32 (10–14, 15–21, 32–43, 54–65, 75–80)

41 WATER RECORD

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

51 CASING & OPEN HOLE RECORD

Inside diam inches	Material	Wall thickness inches	Depth - feet From	Depth - feet To
(10-12) 6¼"	1 ☒ Steel (12) 2 ☒ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic	.188	-3	33 (13-16)
(17-18) 6"	1 ☐ Steel (19) 2 ☐ Galvanized 3 ☐ Concrete 4 ☒ Open hole 5 ☒ Plastic		33	155 (20-23)
(24-25)	1 ☐ Steel (26) 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic			(27-30)

SCREEN

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

61 PLUGGING & SEALING RECORD

☐ Annular space ☒ Abandonment

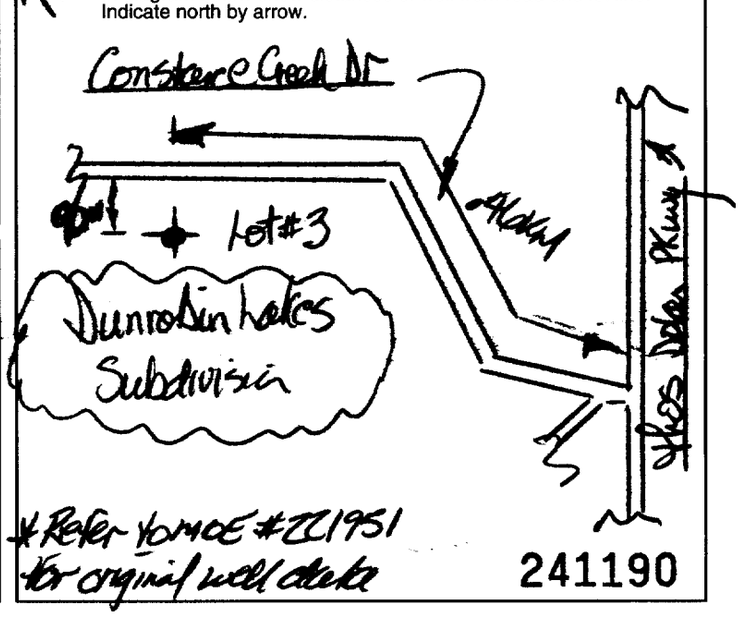
Depth set at - feet From	To	Material and type (Cement grout, bentonite, etc.)
(14-17) -3	(22-25) 155	Neat cement grout & plug
(18-21)		
(26-29)	(30-33)	(80)

71 PUMPING TEST

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

LOCATION OF WELL

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



FINAL STATUS OF WELL (54)

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

(Wrong lot location)

WATER USE (55-56)

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

METHOD OF CONSTRUCTION (57)

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

* Refer to WCE #221951 for original well details

Name of Well Contractor	Well Contractor's Licence No.
STANTON DRILLING INC	4875
Address: BOX 219, Pakenham, Ontario	
Name of Well Technician: P. Stanton	Well Technician's Licence No. 7006
Signature of Technician/Contractor	Submission date: 13 05 02 (day mo yr)

MINISTRY USE ONLY

Data source (58)	Contractor (59-62)	Date received (63-66) (80)
	4875	MAY 16 2002
Date of inspection	Inspector	
Remarks		CSS.ES2

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Ontario Ministry of the Environment

The Ontario Water Resources Act
WATER WELL RECORD

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

11 1533314 Municipality 15010 Con. CON 03

County or District	Township/Borough/City/Town/Village	Con block tract survey, etc.	Lot
OTTAWA-CARLETON	WEST CARLETON (Torbolton)	CONCESSION 3	1

Address: 2825 Dunrobin Rd, Dunrobin, ON. Date completed: 12 day 10 month 02 year

Northing RC Elevation RC Basin Code

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)

General colour	Most common material	Other materials	General description	Depth - feet From	Depth - feet To
GREY	CLAY			0	16
BLUE	CLAY			16	24
GREY	SAND.			24	41

41 WATER RECORD

Water found at - feet	Kind of water
37 41	1 [X] Fresh 2 [ ] Salty 3 [ ] Sulphur 4 [ ] Minerals 6 [ ] Gas
	1 [ ] Fresh 2 [ ] Salty 3 [ ] Sulphur 4 [ ] Minerals 6 [ ] Gas
	1 [ ] Fresh 2 [ ] Salty 3 [ ] Sulphur 4 [ ] Minerals 6 [ ] Gas
	1 [ ] Fresh 2 [ ] Salty 3 [ ] Sulphur 4 [ ] Minerals 6 [ ] Gas
	1 [ ] Fresh 2 [ ] Salty 3 [ ] Sulphur 4 [ ] Minerals 6 [ ] Gas

51 CASING & OPEN HOLE RECORD

Inside diam inches	Material	Wall thickness inches	Depth - feet From	Depth - feet To
6¼"	1 [X] Steel 2 [ ] Galvanized 3 [ ] Concrete 4 [ ] Open hole 5 [ ] Plastic	.188"	+1'6"	37.
5½	~~SCREW~~ 1 [ ] Steel 2 [ ] Galvanized 3 [ ] Concrete 4 [X] Open hole 5 [ ] Plastic		37	41.
	1 [ ] Steel 2 [ ] Galvanized 3 [ ] Concrete 4 [ ] Open hole 5 [ ] Plastic			

SCREEN

Sizes of opening (Slot No.)	Diameter	Length	Material and type	Depth at top of screen
SLOT #10	5½" inches	4 feet	Stainless, telescope.	37 feet

61 PLUGGING & SEALING RECORD

[X] Annular space [ ] Abandonment

Depth set at - feet From	Depth set at - feet To	Material and type (Cement grout, bentonite, etc.)
0	24	Holeplug grout
		Clay slurry.

PUMPING TEST

Pumping test method	Pumping rate	Duration of pumping	Static level	Water level end of pumping	Water levels during	15 minutes	30 minutes	45 minutes	60 minutes
1 [ ] Pump 2 [X] Bailer	8 GPM	1 Hours 0 Mins	18 feet	24 feet	1 [X] Pumping 2 [ ] Recovery	24 feet	24 feet	24 feet	24 feet

If flowing give rate: — GPM | Pump intake set at: 35 feet | Water at end of test: [ ] Clear [X] Cloudy

Recommended pump type: [ ] Shallow [X] Deep | Recommended pump setting: 35 feet | Recommended pump rate: 8 GPM

FINAL STATUS OF WELL

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

WATER USE

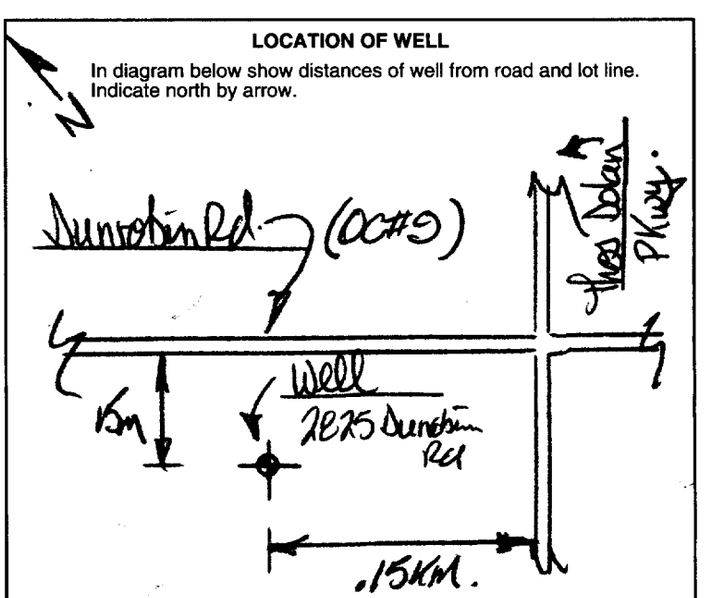
1 [X] Domestic 2 [X] Stock 3 [ ] Irrigation 4 [ ] Industrial 5 [ ] Commercial 6 [ ] Municipal 7 [ ] Public supply 8 [ ] Cooling & air conditioning 9 [ ] Not use 10 [ ] Other

METHOD OF CONSTRUCTION

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

LOCATION OF WELL

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



241210

Name of Well Contractor	Well Contractor's Licence No.
STANTON DRILLING INC	4875
Address: Box 29, Pakenham, Ontario.	
Name of Well Technician: Peter Stanton	Well Technician's Licence No. T-2666
Signature of Technician/Contractor	Submission date: day 19 mo 10 yr 02

MINISTRY USE ONLY: Data source | Contractor 4875 | Date received NOV 04 2002 | Date of inspection | Inspector | Remarks CSS.EC2

0506 (07/00) Front Form 9

2 - MINISTRY OF THE ENVIRONMENT COPY

Ontario **Ministry of the Environment**

The Ontario Water Resources Act
WATER WELL RECORD

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

11 **1533930**

Municipality 15010 Con. CON 03

County or District	Township/Borough/City/Town/Village	Con block tract survey, etc.	Lot
OTTAWA-CARLETON	WEST CARLETON (Torbolton)	CONCESSION 3	1

Address 107 Galaxy, Munro Bin, Ont.

Date completed 28 06 03 (day / month / year)

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

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)

General colour	Most common material	Other materials	General description	Depth - feet From	Depth - feet To
	Water well record issued & verify proper abandonment of drilled well (by others).			0	178

31

32

41 WATER RECORD

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

51 CASING & OPEN HOLE RECORD

Inside diam inches	Material	Wall thickness inches	Depth - feet From	Depth - feet To
6"	1 ☒ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☒ Open hole 5 ☐ Plastic		0	178
	1 ☐ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic			
	1 ☐ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic			

SCREEN

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

61 PLUGGING & SEALING RECORD

☐ Annular space ☒ Abandonment

Depth set at - feet From	Depth set at - feet To	Material and type (Cement grout, bentonite, etc.)
2	178	Holeplug grout (3/4")

71 PUMPING TEST

Pumping test method: 1 ☐ Pump 2 ☐ Bailer

Pumping rate: GPM

Duration of pumping: Hours Mins

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

If flowing give rate: GPM

Pump intake set at: feet

Water at end of test: ☐ Clear ☐ Cloudy

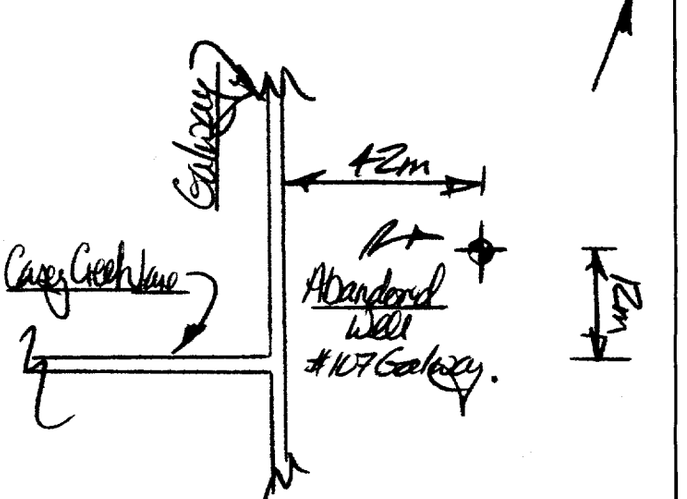
Recommended pump type: ☐ Shallow ☐ Deep

Recommended pump setting: feet

Recommended pump rate: GPM

LOCATION OF WELL

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



241228

FINAL STATUS OF WELL

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

WATER USE

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

METHOD OF CONSTRUCTION

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

Name of Well Contractor	Well Contractor's Licence No.
STANTON DRILLING INC	4875
Address: BOX 219, Parkerhouse, Ontario K0A 2X0	
Name of Well Technician: Peter Stanton	Well Technician's Licence No. T0086
Signature of Technician/Contractor	Submission date: 04 07 28.

MINISTRY USE ONLY

Data source	Contractor	Date received
	4875	JUL 31 2003
Date of inspection	Inspector	
Remarks		CSS.ES3

0506 (07/00) Front Form 9

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Ontario Ministry of the Environment

Well Tag Number A004061

Well Tag # A-004061

Well Record

Regulation 903 Ontario Water Resources Act

page 1 of 1

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

[redacted]

Address of Well Location (County/District/Municipality): CITY OF OTTAWA | Township: TORBOLTON (West Carleton) | Lot: 1 | Concession: 3

RR#/Street Number/Name: 1151 Thos. A. Dolan Pkwy | City/Town/Village: Dunrobin, ON | Site/Compartment/Block/Tract etc.

GPS Reading: NAD 83 | Zone: 18 | Easting: 419872 | Northing: 5030178 | Unit Make/Model: Magellan WAAS | Mode of Operation: ☐ Undifferentiated ☒ Averaged ☐ Differentiated, specify

Log of Overburden and Bedrock Materials (see instructions)

General Colour	Most common material	Other Materials	General Description	Depth From	Depth To (Metres)
BROWN/GREY	SAND	SILT		0	5.5
GREY	SAND.			5.5	15.5
GREY	SAND	FINE GRAVEL		15.5	16.8
GREY	LIMESTONE			16.8	

Hole Diameter

Depth From	Metres To	Diameter Centimetres
0	6.8	25.4
6.8	16.8	16.8

Water Record

Water found at Metres	Kind of Water
15.6 m	☐ 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

Construction Record

Inside diam centimetres	Material	Wall thickness centimetres	Depth From	Metres To
Casing				
15.88	☒ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	0.48	+0.56	15.6
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
Screen				
Outside diam 14.0	☒ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	Slot No. #40 #10	15.6	16.8
No Casing or Screen				
	☐ Open hole			

Test of Well Yield

Pumping test method: Pump

Pump intake set at - (metres) 12.2

Pumping rate - (litres/min) 53

Duration of pumping 1 hrs + 0 min

Final water level end of pumping 5.22 metres

Recommended pump type. ☐ Shallow ☒ Deep

Recommended pump depth. 12.2 metres

Recommended pump rate. 34 (litres/min)

If flowing give rate - (litres/min) 0

If pumping discontinued, give reason. N/A.

Draw Down Time min	Draw Down Water Level Metres	Recovery Time min	Recovery Water Level Metres
Static Level	1.84		
1	3.84	1	3.03
2	4.54	2	2.45
3	4.87	3	2.12
4	5.01	4	1.97.
5	5.09	5	1.92
10	5.16	10	1.85
15	5.17	15	1.82
20	5.18	20	1.84.
25	"	25	
30	"	30	
40	5.23	40	
50	5.22	50	
60	"	60	

Plugging and Sealing Record

☒ Annular space ☐ Abandonment

Depth set at - Metres From	To	Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)
0	6.8	Holeplug bentonite grout.	±.40m³

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: STANTON DRILLING INC. | Well Contractor's Licence No.: 4675

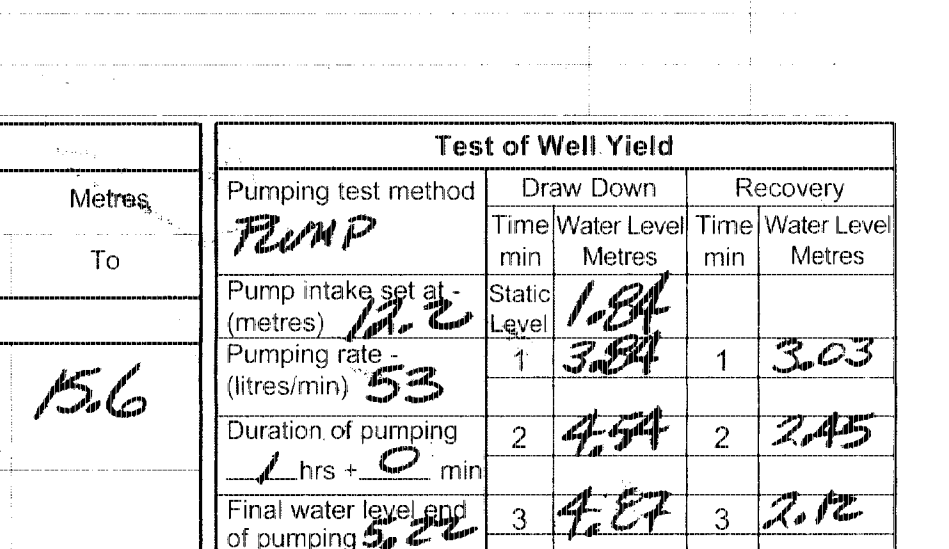
Business Address (street name, number, city etc.): BOX 219, 604-12th Conc. South, Pakenham, ON.

Name of Well Technician (last name, first name): STANTON, ROBERT J. | Well Technician's Licence No.: 7026

Signature of Technician/Contractor: X [signature] | Date Submitted: 2003 11 24

Location of Well

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



Audit No. Z 04151 | Date Well Completed: 2003 YYYY | 11 MM | 04 DD

Was the well owner's information package delivered? ☐ Yes ☒ No | Date Delivered: N/A. YYYY MM DD

Ministry Use Only

Data Source | Contractor: 4875

Date Received: NOV 24 2003 YYYY MM DD | Date of Inspection YYYY MM DD

Remarks | Well Record Number: 1534287

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

Ontario Ministry of the Environment

Well Tag Number (Place sticker and print number below): A013695

Well Record

Regulation 903 Ontario Water Resources Act

page ___ of ___

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- Please print clearly in blue or black ink only.

Ministry Use Only

[redacted]

Address of Well Location (County/District/Municipality): Ottawa Carleton

Township: West Carleton - Torbolton

Lot: 1

Concession: 3

RR#/Street Number/Name: 1151 Thomas A. Dolan Parkway

City/Town/Village: Dunrobin

Site/Compartment/Block/Tract etc.:

GPS Reading: NAD 83 | Zone 18 | Easting 41 97 75 | Northing 50 30 36 3

Unit Make/Model: Garmin

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

Log of Overburden and Bedrock Materials (see instructions)

General Colour	Most common material	Other Materials	General Description	Depth From	Depth To (Metres)
Brown	Sand		Dry	0	.91
Brown	Clay		Packed	.91	2.43
Gray	Clay		Wet	2.43	11.58
Gray	Sand & Gravel			11.58	22.86

Hole Diameter

Depth From	Metres To	Diameter Centimetres
0	11.58	22.75
11.58	22.86	15.49

Water Record

Water found at ___ Metres / Kind of Water

- 22.85 m: ☐ 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

Construction Record

Inside diam centimetres	Material	Wall thickness centimetres	Depth From	Depth To (Metres)
Casing				
15.86	☒ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	0.48	+ 0.45	21.64
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
Screen				
Outside diam		Slot No.		
15.23	☒ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	10	21.64	22.86

No Casing or Screen

☐ Open hole

Test of Well Yield

Pumping test method: submersible

Pump intake set at - (metres): 15.23

Pumping rate - (litres/min): 182

Duration of pumping: 1 hrs + ___ min

Final water level end of pumping: 5.19 metres

Recommended pump type: ☐ Shallow ☒ Deep

Recommended pump depth: 15.23 metres

Recommended pump rate: 45.5 (litres/min)

If flowing give rate - (litres/min)

If pumping discontinued, give reason.

	Draw Down Time min	Draw Down Water Level Metres	Recovery Time min	Recovery Water Level Metres
Static Level		4.01		
1	1	4.85	1	4.01
2			2	
3			3	
4			4	
5			5	
10			10	
15			15	
20			20	
25			25	
30			30	
40			40	
50			50	
60	5.19		60	

Plugging and Sealing Record

☒ Annular space ☐ Abandonment

Depth set at - Metres From	To	Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)
11.58	0	Grouted - Bentonite Slurry	.483m3

Method of Construction

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

Water Use

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

Final Status of Well

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

Well Contractor/Technician Information

Name of Well Contractor: Capital Water Supply Ltd.

Well Contractor's Licence No.: 1558

Business Address (street name, number, city etc.): P.O. Box 490 Stittsville, Ontario K2S 1A6

Name of Well Technician (last name, first name): Miller, Stephen/Stanton, Peter

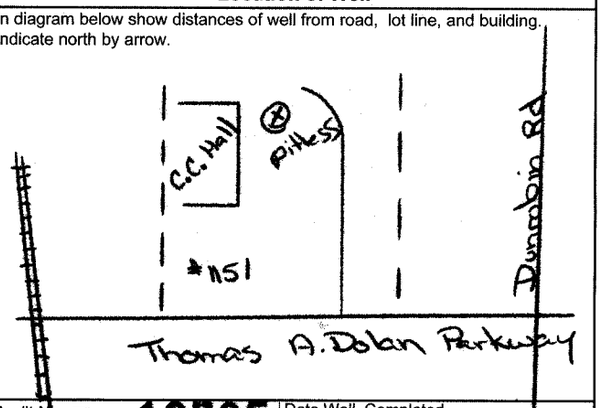
Well Technician's Licence No.: T0097/T0086

Signature of Technician/Contractor: x [signature]

Date Submitted: YYYY 2004 MM 8 DD 18

Location of Well

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



Audit No.: Z 13735

Date Well Completed: YYYY 2004 MM 8 DD 9

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

Date Delivered: YYYY 2004 MM 8 DD 9

Ministry Use Only

Data Source:

Contractor: 1558

Date Received: SEP 10 2004 YYYY DD

Date of Inspection: YYYY MM DD

Remarks:

Well Record Number: 1534971

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

Ontario — Ministry of the Environment

Well Tag Number (Place sticker and print number below): A023105 / A023105

Well Record

Regulation 903 Ontario Water Resources Act

page ___ of ___

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- Please print clearly in blue or black ink only.

Ministry Use Only

[redacted]

Address of Well Location (County/District/Municipality)	Township	Lot	Concession
OTTAWA-CARLETON	TORBOLTON	1	4

RR#/Street Number/Name	City/Town/Village	Site/Compartment/Block/Tract etc.
#1077 THOMAS A DOLAN PARKWAY	DUNROBIN	

GPS Reading	NAD	Zone	Easting	Northing	Unit Make/Model	Mode of Operation
	83	18	420291	5030463	MAGELLAN	☐ Undifferentiated ☒ Averaged ☐ Differentiated, specify

Log of Overburden and Bedrock Materials (see instructions)

General Colour	Most common material	Other Materials	General Description	Depth From	Depth To
	CLAY			0	9.14
	SAND & GRAVEL			9.14	22.85
BLACK	LIMESTONE			22.85	36.57

Hole Diameter

Depth From	Metres To	Diameter Centimetres
0	36.57	15.25

Water Record

Water found at Metres	Kind of Water		
34.14 m	☐ 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 NOT TESTED

Chlorinated ☒ Yes ☐ No

Construction Record

Inside diam centimetres	Material	Wall thickness centimetres	Depth From	Depth To
Casing				
15.88	☒ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	.48	0	23.77
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
Screen				
Outside diam	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	Slot No.		
No Casing or Screen				
	☒ Open hole		23.16	36.57

Test of Well Yield

Pumping test method: SUB PUMP

Pump intake set at (metres): 24.38

Pumping rate - (litres/min): 91

Duration of pumping: 1 hrs + 0 min

Final water level end of pumping: 4.80 metres

Recommended pump type: ☐ Shallow ☒ Deep

Recommended pump depth: 24.38 metres

Recommended pump rate: 91 (litres/min)

If flowing give rate - (litres/min):

If pumping discontinued, give reason.

Draw Down Time min	Draw Down Water Level Metres	Recovery Time min	Recovery Water Level Metres
Static Level	3.71		3.98
1	4.65	1	3.87
2	4.66	2	3.78
3	4.68	3	3.75
4	4.70	4	3.73
5	4.69	5	3.71
10	4.70	10	
15	4.68	15	
20	4.71	20	
25	4.70	25	
30	4.72	30	
40	4.74	40	
50	4.78	50	
60	4.80	60	

Plugging and Sealing Record

☒ Annular space ☐ Abandonment

Depth set at - Metres From	To	Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)
23.16	20.11	NEAT CEMENT SLURRY	.1816
20.11	0	BENTONITE SLURRY	1.47

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.
AIR ROCK DRILLING CO LTD	1119

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

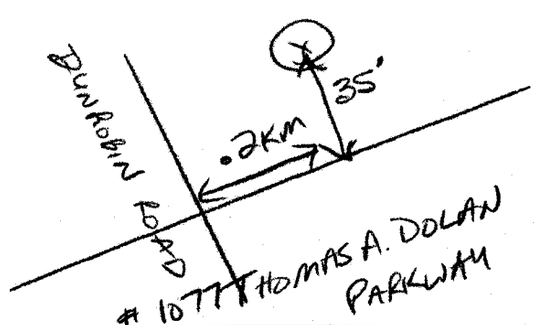
Name of Well Technician (last name, first name)	Well Technician's Licence No.
PURCELL SHANNON	T2122

Signature of Technician/Contractor: X [signature]

Date Submitted YYYY MM DD: 2004 12 30

Location of Well

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



Audit No. Z 19171

Date Well Completed YYYY MM DD: 2004 12 07

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

Date Delivered YYYY MM DD: 2004 12 07

Ministry Use Only

Data Source	Contractor
	1119
Date Received YYYY MM DD: JAN 10 2005	Date of Inspection YYYY MM DD
Remarks	Well Record Number

0506E (09/03)

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

Cette formule est disponible en français

Ontario Ministry of the Environment

Well Tag Number (Place sticker and print number below) A023069

A 023069

Well Record

Regulation 903 Ontario Water Resources Act

page ___ of ___

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

Ministry Use Only

MUN | CON | LOT

Well Owner's Information and Location of Well Information

First Name	Last Name	Mailing Address (Street Number/Name, RR, Lot, Concession)
M.H.	MILFORD HOLDINGS INC.	22 20 KOL CRESC

County/District/Municipality	Township/City/Town/Village	Province	Postal Code	Telephone Number (include area code)
	KANATA	Ontario	K2K 2K4	

Address of Well Location (County/District/Municipality)	Township	Lot	Concession
Ottawa Carleton.	MARCH	Part 27	4

RR#/Street Number/Name	City/Town/Village	Site/Compartment/Block/Tract etc.
Thomas A. DOLAN	DUNROBIN	PLAN 4R16372, SL2

GPS Reading	NAD	Zone	Easting	Northing	Unit Make/Model	Mode of Operation:
	8 3	18	420319	5030441	MAGELLAN	☐ Undifferentiated ☒ Averaged ☐ Differentiated, specify

Log of Overburden and Bedrock Materials (see instructions)

General Colour	Most common material	Other Materials	General Description	Depth From	Depth To (Metres)
	Sand	boulders		0	21.0
grey/black	limestone			21.0	45.1
White	sandstone			45.1	54.2.

Hole Diameter

Depth From	Depth To (Metres)	Diameter (Centimetres)
0	54.2	15.24

Water Record

Water found at ___ Metres	Kind of Water
48.2 m	☐ Fresh ☐ Salty ☐ Sulphur ☐ Minerals ☐ Gas ☐ Other: NOT
52.4	☐ Fresh ☐ Salty ☐ Sulphur ☐ Minerals ☐ Gas ☐ Other: tested
___ m	☐ Fresh ☐ Salty ☐ Sulphur ☐ Minerals ☐ Gas ☐ Other:

After test of well yield, water was ☒ Clear and sediment free ☐ Other, specify CLOUDY NOT tested

Chlorinated ☒ Yes ☐ No

Construction Record

Inside diam centimetres	Material	Wall thickness centimetres	Depth From	Depth To (Metres)
Casing				
15.88	☒ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	.48	0	23.2.
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
Screen				
Outside diam	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	Slot No.		
No Casing or Screen				
	☒ Open hole		22.6	54.2.

Test of Well Yield Rec'd June 2/05

Pumping test method: SubPump

Pump intake set at - (metres) 42.67

Pumping rate - (litres/min) 22.75

Duration of pumping 6 hrs + 0 min

Final water level end of pumping 8.08 metres

Recommended pump type. ☐ Shallow ☒ Deep

Recommended pump depth 42.67 metres

Recommended pump rate 22.75 (litres/min)

If flowing give rate - (litres/min)

If pumping discontinued, give reason.

Draw Down Time min	Draw Down Water Level Metres	Recovery Time min	Recovery Water Level Metres
Static Level	2.71		8.08
1	5.32	1	7.37
2	5.47	2	6.71
(4)	5.97	(4)	5.63
(6)	6.16	(6)	4.84
(8)	6.36	(8)	4.25
10	6.53	10	3.80
(12)	6.68	(12)	3.49
20	7.03	20	2.99
25	7.17	25	2.89
30	7.25	30	2.85
40	7.39	40	
50	7.50	50	
60	7.58	60	

Plugging and Sealing Record ☒ Annular space ☐ Abandonment

Depth set at - Metres From	To	Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)
22.6	20.1	Cement slurry	.1362.
20.1	0	bentonite slurry	.858.

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

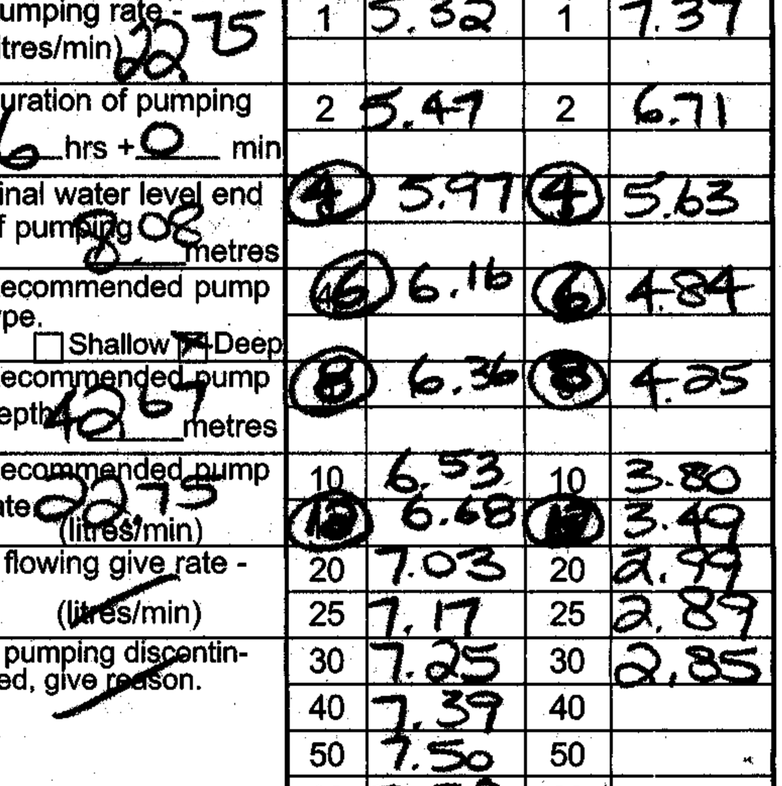
☒ Water Supply ☐ Recharge well ☐ Unfinished ☐ Abandoned, (Other)
☐ Observation well ☐ Abandoned, insufficient supply ☐ Dewatering
☒ Test Hole ☐ Abandoned, poor quality ☐ Replacement well

Well Contractor/Technician Information

Name of Well Contractor	Well Contractor's Licence No.
Air Rock Drilling Co Ltd	1119
Business Address (street name, number, city etc.)	
RR#1 Richmond, Ont K0A 2Z0	
Name of Well Technician (last name, first name)	**Well Technician's Licence No.**
Hogan Dan	T3058
Signature of Technician/Contractor	**Date Submitted** YYYY MM DD
X	2005 07 18

Location of Well

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



Audit No.	Date Well Completed YYYY MM DD
Z 23233	2005 05 10
Was the well owner's information package delivered? ☐ Yes ☒ No	**Date Delivered** YYYY MM DD

Ministry Use Only

Data Source	Contractor 1119
Date Received JUL 25 2005 YYYY MM DD	Date of Inspection YYYY MM DD
Remarks	Well Record Number

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

Ontario Ministry of the Environment

Well Tag Number (P) A 023068

A023068

Well Record

Regulation 903 Ontario Water Resources Act

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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.

Ministry Use Only

MUN | CON | LOT

Well Owner's Information and Location of Well Information

First Name: | Last Name: WILLOW MORE HOLDINGS | Mailing Address (Street Number/Name, RR, Lot, Concession): 90 121 LADY JENNIFER WAY

County/District/Municipality | Township/City/Town/Village: DUNROBIN | Province: Ontario | Postal Code: K0A 1T0 | Telephone Number (include area code)

Address of Well Location (County/District/Municipality): Ottawa Carleton. | Township: MARCH | Lot: Pt 27 | Concession: 4

RR#/Street Number/Name: THOMAS A. DOLAN | City/Town/Village: DUNROBIN | Site/Compartment/Block/Tract etc: PLAN 4R16372, S/L 6

GPS Reading | NAD: 83 | Zone: 18 | Easting: 420617 | Northing: 5030685 | Unit Make/Model: magellan | Mode of Operation: ☐ Undifferentiated ☒ Averaged ☐ Differentiated, specify

Log of Overburden and Bedrock Materials (see instructions)

General Colour	Most common material	Other Materials	General Description	Depth From	Depth To
	Clay			0	9.14
	Sand.			9.14	25.0
grey	limestone			25.0	45.7
White	Sandstone			45.7	53.9

Hole Diameter

Depth From	Depth To	Diameter Centimetres
0	53.9	15.23

Water Record

Water found at Metres	Kind of Water	
39.6 m	☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other: NOT TESTED	
52.1 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 NOT TESTED

Chlorinated ☒ Yes ☐ No

Construction Record

Inside diam centimetres	Material	Wall thickness centimetres	Depth From	Depth To
Casing				
15.88	☒ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	.48	0	26.8
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
Screen				
Outside diam	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	Slot No.		
No Casing or Screen				
	☒ Open hole		26.2	53.9

Test of Well Yield

Recd June 21/05

Pumping test method: SubPump

	Draw Down Time min	Draw Down Water Level Metres	Recovery Time min	Recovery Water Level Metres
Pump intake set at (metres) 42.67	Static Level	0.89		14.41
Pumping rate (litres/min) 36.40	1	4.40	1	13.22
Duration of pumping 6 hrs + 0 min	2	5.10	2	12.03
Final water level end of pumping 44.1 metres	(A)	6.24	(A)	10.10
Recommended pump type: ☐ Shallow ☒ Deep	(B)	7.21	(B)	8.39
Recommended pump depth: 42.67 metres	(C)	7.76	(C)	6.96
Recommended pump rate: 36.40 (litres/min)	10	7.98	10	5.77
If flowing give rate - (litres/min)	15 (D)	8.44	15 (D)	3.53
	20	8.66	20	2.38
	25	8.88	25	1.93
If pumping discontinued, give reason.	30	9.04	30	1.53
	40	9.23	40	1.27
	50	9.35	50	1.17
	60	9.44	60	1.10

Plugging and Sealing Record

☒ Annular space ☐ Abandonment

Depth set at - Metres From	Depth set at - Metres To	Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)
26.2	23.2	cement slurry	.227
23.2	0	bentonite slurry	.981

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: A. Koch Drilling Ltd | Well Contractor's Licence No.: 1119

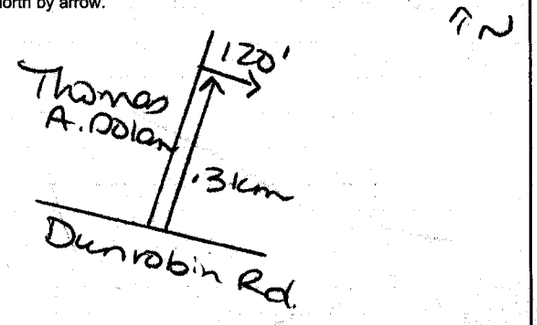
Business Address (street name, number, city etc.): RR#1 Richmond, Ont K0A2Z0

Name of Well Technician (last name, first name): Hogan Dan | Well Technician's Licence No.: T3058

Signature of Technician/Contractor: X | Date Submitted YYYY MM DD: 2005 07 13

Location of Well

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



Audit No. Z 23260 | Date Well Completed YYYY MM DD: 2005 05 13

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

Ministry Use Only

Data Source | Contractor: 1119

Date Received: JUL 25 2005 | Date of Inspection YYYY MM DD

Remarks | Well Record Number

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

Ontario Ministry of the Environment

Well Tag Number (if applicable) A018555

A018555

Well Record

Regulation 903 Ontario Water Resources Act

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Instructions for Completing Form

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

Ministry Use Only

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Well Owner's Information and Location of Well Information

First Name	Last Name	Mailing Address (Street Number/Name, RR, Lot, Concession)
CITY OF OTTAWA	RPAM	100 CONSTELLATION CRESCENT.

County/District/Municipality	Township/City/Town/Village	Province	Postal Code	Telephone Number (include area code)
OTTAWA CARLETON	OTTAWA.	Ontario	K2G 6J8	(613) 580-2424.

Address of Well Location (County/District/Municipality)	Township	Lot	Concession
OTTAWA CARLETON	TORBOLTON	1	3.

RR#/Street Number/Name	City/Town/Village	Site/Compartment/Block/Tract etc.
1151 THOS DOLAN PARKWAY.	MUNROBIN	—

GPS Reading	NAD	Zone	Easting	Northing	Unit Make/Model	Mode of Operation	
	8 3	18	449788	5030329	MAGELAN	WAAS.	☐ Undifferentiated ☒ Averaged ☐ Differentiated, specify

Log of Overburden and Bedrock Materials (see instructions)

General Colour	Most common material	Other Materials	General Description	Depth From	Depth To
BROWN/GREY	SAND			0.0	4.60
GREY.	CLAY	SILT.		4.60	5.80
GREY/ BROWN	SAND.			5.80	10.37.

Hole Diameter

Depth From	Depth To (Metres)	Diameter (Centimetres)
0	6.0	21.90

Water Record

Water found at - Metres	Kind of Water		
9.15.	☐ Fresh	☐ Sulphur	☐ Gas
	☐ Salty	☐ Minerals	☐ Other:
m	☐ Fresh	☐ Sulphur	☐ Gas
	☐ Salty	☐ Minerals	☐ Other:
m	☐ Fresh	☐ Sulphur	☐ Gas
	☐ Salty	☐ Minerals	☐ Other:

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

Chlorinated ☒ Yes ☐ No

Construction Record

Inside diam centimetres	Material	Wall thickness centimetres	Depth From	Depth To (Metres)
Casing				
15.88	☒ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	0.48 +0.50		9.15.
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
Screen				
Outside diam 13.97.	☒ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	Slot No. 10	9.15	10.37.
No Casing or Screen				
	☐ Open hole			

Test of Well Yield

Pumping test method: PUMP.

	Draw Down Time min	Draw Down Water Level Metres	Recovery Time min	Recovery Water Level Metres
Pump intake set at - (metres)	Static Level	3.69		
Pumping rate - (litres/min) 50	1	4.05	1	3.70
Duration of pumping 2 hrs + 0 min	2	4.09	2	3.69
Final water level end of pumping 4.10 metres	3	4.10	3	3.69
Recommended pump type, ☐ Shallow ☒ Deep	4	"	4	3.69
Recommended pump depth. 8 metres	5	"	5	3.69
Recommended pump rate. 15 (litres/min)	10	"	10	3.69
If flowing give rate - N/A (litres/min)	15	"	15	"
If pumping discontinued, give reason. —	20	4.10	20	"
	25	"	25	"
	30	"	30	"
	40	"	40	"
	50	"	50	"
	60	4.10	60	"

Plugging and Sealing Record

☒ Annular space ☐ Abandonment

Depth set at - Metres From	To	Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)
0	6.0	Holeplug ✓ Backfill	0.15m³.

Method of Construction

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

Water Use

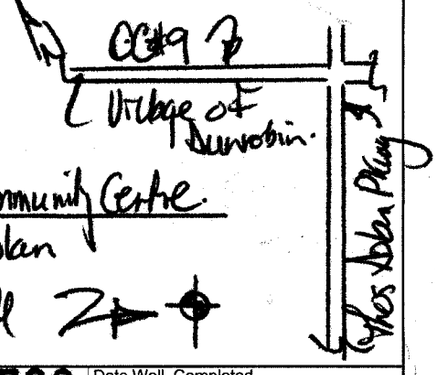
☐ Domestic ☐ Industrial ☒ Public Supply ☐ Other
☐ Stock ☐ Commercial ☐ Not used
☐ Irrigation ☐ Municipal ☐ Cooling & air conditioning

Final Status of Well

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

Location of Well

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



Audit No. Z 18722

Date Well Completed YYYY MM DD: 2005 07 21

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

Date Delivered YYYY MM DD: 4 11 4

Well Contractor/Technician Information

Name of Well Contractor	Well Contractor's Licence No.
STANTON DRILLING INC	4875

Business Address (street name, number, city etc.): BOX 219, 604 12TH Cor. South, Palkenham, ON K0A2H0

Name of Well Technician (last name, first name)	Well Technician's Licence No.
PETAR STANTON	T0086.

Signature of Technician/Contractor: X

Date Submitted YYYY MM DD: 2005 08 05.

Ministry Use Only

Data Source	Contractor
	4875
Date Received YYYY MM DD: AUG 10 2005	Date of Inspection YYYY MM DD
Remarks	Well Record Number

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

Ontario Ministry of the Environment

Well Tag Number (F A 018560

A-018560

Well Record

Regulation 903 Ontario Water Resources Act

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

Ministry Use Only

MUN | CON | LOT

Well Owner's Information and Location of Well Information

First Name	Last Name	Mailing Address (Street Number/Name, RR, Lot, Concession)
NILLAWMORE	HOLDINGS	121 LADY JENNIFER WAY.

County/District/Municipality	Township/City/Town/Village	Province	Postal Code	Telephone Number (include area code)
OTTAWA-CARLETON.	KANATA	Ontario	K0A 1T0.	(613) 852-0368

Address of Well Location (County/District/Municipality)	Township	Lot	Concession
OTTAWA-CARLETON.	MARCH (KANATA).	27.	4

RR#/Street Number/Name	City/Town/Village	Site/Compartment/Block/Tract etc.
THOS. DARLING PARKWAY	KANATA, ON	

GPS Reading	NAD	Zone	Easting	Northing	Unit Make/Model	Mode of Operation:
	83	18	420549	5030627.	MAGELLAN	WAAS

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

Log of Overburden and Bedrock Materials (see instructions)

General Colour	Most common material	Other Materials	General Description	Depth From	Depth To (Metres)
GREY/BLUE GREY	CLAY STND.			0.00	8.54
				8.54.	13.12

Hole Diameter

Depth From	Depth To (Metres)	Diameter (Centimetres)
0.00	8.00	22.86

Water Record

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

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

Chlorinated ☒ Yes ☐ No

Construction Record

Inside diam centimetres	Material	Wall thickness centimetres	Depth From	Depth To (Metres)
Casing				
15.88	☒ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	0.48	+0.60	12.20
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
STAINLESS	**Screen**			
Outside diam 13.97.	☒ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	Slot No. 8.	12.20	13.12
No Casing or Screen				
	☐ Open hole			

Test of Well Yield

Pumping test method: PUMP

Pump intake set at - (metres) 10.0

Pumping rate (litres/min) 76

Duration of pumping 1 hrs + 0 min

Final water level end of pumping 4.85 metres

Recommended pump type. ☐ Shallow ☒ Deep

Recommended pump depth. 10.0 metres

Recommended pump rate. 76 (litres/min)

If flowing give rate - (litres/min) N/A.

If pumping discontinued, give reason. N/A

	Draw Down Time min	Draw Down Water Level Metres	Recovery Time min	Recovery Water Level Metres
Static Level	0.65			
1	2.10	1	3.30	
2	2.95	2	2.39	
3	3.53	3	1.76	
4	3.89	4	1.40	
5	4.12	5	1.16	
10	4.52	10	0.77	
15	4.57	15	0.66	
20	4.61	20	0.63	
25	4.645	25	0.64	
30	4.67	30	"	
40	4.64	40	"	
50	4.65	50	"	
60	4.65	60	0.64	

Plugging and Sealing Record

☒ Annular space ☐ Abandonment

Depth set at - Metres From	To	Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)
0.00	8.00	Bentonite grout.	0.21

Method of Construction

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

Water Use

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

Final Status of Well

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

Well Contractor/Technician Information

Name of Well Contractor	Well Contractor's Licence No.
STANTON DRILLING INC	4875

Business Address (street name, number, city etc.): BOX 29, 604-12TH CONC. SOUTH, PAKENHAM, ON

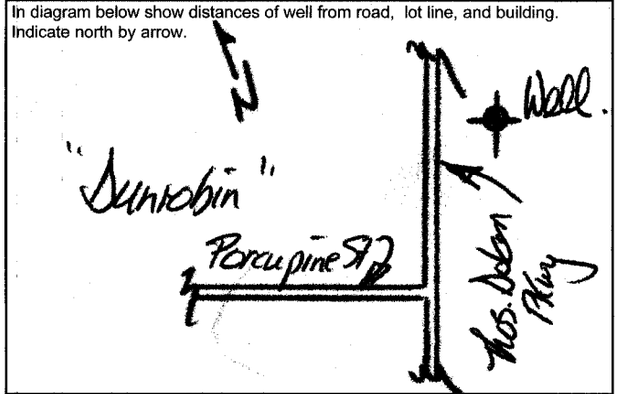
Name of Well Technician (last name, first name)	Well Technician's Licence No.
STANTON, PETER M.	7006.

Signature of Technician/Contractor: X

Date Submitted YYYY MM DD: 2005 11 14.

Location of Well

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



Audit No. Z 18726

Date Well Completed: 2005 11 04

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

Date Delivered: 2005 11 14.

Ministry Use Only

Data Source | Contractor: 4875

Date Received: NOV 24 2005

Date of Inspection YYYY MM DD

Remarks | Well Record Number

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

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Ontario Ministry of the Environment

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

A051520 A 051520

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
MacBeth Mechanical Inc.			

Mailing Address (Street Number/Name, RR)	Municipality	Province	Postal Code	Telephone No. *(inc. area code)*
13 Neely	Dunrobin	Ontario	K 0A 1 T0	6138320180

Part A Construction and/or Major Alteration of a Well

Address of Well Location (Street Number/Name, RR)	Township	Lot	Concession
2742 Dunrobin Road	Kanata	27	3

County/District/Municipality	City/Town/Village	Province	Postal Code
Ottawa Carleton	Dunrobin	Ontario	

UTM Coordinates	Zone	Easting	Northing	GPS Unit Make	Model	Mode of Operation: ☐ Undifferentiated ☒ Averaged
NAD 83	18	420284	5030284		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	Clay		Packed	0	7.61
Brown	Sand			7.61	11.58
Gray	Sand			11.58	17.98

Annular Space/Abandonment Sealing Record

Depth Set at (Metres) From	To	Type of Sealant Used (Material and Type)	Volume Placed (Cubic Metres)
7.61	0	Grouted - Bentonite Slurry	.132m3

Method of Construction

☐ Cable Tool ☐ Diamond
☐ Rotary (Conventional) ☐ Jetting
☐ Rotary (Reverse) ☒ Driving
☒ Rotary (Air) ☐ Digging
☐ Air percussion ☐ Boring
☐ Other, *specify* _____

Water Use

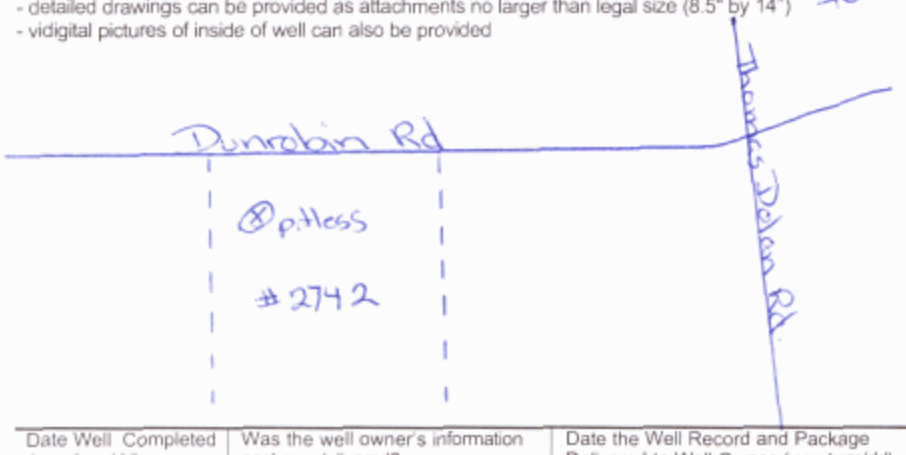
☐ Public ☐ Commercial ☐ Not used
☒ Domestic ☐ Municipal ☐ Dewatering
☐ Livestock ☐ Test Hole ☐ Monitoring
☐ Irrigation ☐ Cooling & Air Conditioning
☐ Industrial
☐ Other, *specify* _____

Status of Well

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

Location of Well

Please provide a map below showing:
- all property boundaries, and measurements sufficient to locate the well in relation to fixed points,
- an arrow indicating the North direction
- detailed drawings can be provided as attachments no larger than legal size (8.5" by 14")
- vidigital pictures of inside of well can also be provided



Date Well Completed *(yyyy/mm/dd)*	Was the well owner's information package delivered?	Date the Well Record and Package Delivered to Well Owner *(yyyy/mm/dd)*
2008/3/12	☒ Yes ☐ No	2008/3/19

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Capital Water Supply Ltd.	1558

Business Address (Street No./Name, number, RR)	Municipality	Province	Postal Code	Business E-mail Address
Box 490	Stittsville	Ontario	K2S 1A6	office@capitalwater.ca

Bus. Telephone No. *(inc. area code)*	Name of Well Technician (Last Name, First Name)	Well Technician's Licence No.	Signature of Technician	Date Submitted *(yyyy/mm/dd)*
6138361766	Miller, Stephen	0097		2008/3/19

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)*: 13.71

Pumping rate *(Litres/min)*: 54.6

Duration of pumping: 4 hrs + _____ min

Final water level end of pumping *(Metres)*: 6.84

Recommended pump type: ☐ Shallow ☒ Deep

Recommended pump depth: 13.71 Metres

Recommended pump rate *(Litres/min)*: 45.5

If flowing give rate *(Litres/min)*:

Draw Down Time (Min)	Water Level (Metres)	Recovery Time (Min)	Water Level (Metres)
Static Level	4.91	Static Level	
1	6.51	1	5.62
2	6.71	2	5.36
3	6.78	3	5.05
4	6.81	4	4.98
5	6.81	5	4.95
10	6.82	10	4.93
15	6.83	15	4.93
20	6.83	20	4.92
25	6.83	25	4.91
30	6.83	30	
40	6.83	40	
50	6.83	50	
60	6.83	60	

Water Details

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

Casing Used

☐ Galvanized
☒ Steel
☐ Fibreglass
☐ Plastic
☐ Concrete

Screen Used

☐ Galvanized
☒ Steel
☐ Fibreglass
☐ Plastic
☐ Concrete

No Casing and Screen Used

☐ Open Hole

Disinfected? ☒ Yes ☐ No

Casing and Well Details

Diameter of the Hole *(Centimetres)*: 0-15.86 // 16.94-17.9 13

Depth of the Hole *(Metres)*: 17.98

Wall Thickness *(Metres)*: .48

Inside Diameter of the Casing *(Metres)*: 15.86

Depth of the Casing *(Metres)*: +.45 to 16.94

Ministry Use Only

Audit No.	Well Contractor No.
z 77320	
Date Received *(yyyy/mm/dd)* JUN 02 2008	**Date of Inspection** *(yyyy/mm/dd)*
Remarks	

Ministry's Copy

Ontario Ministry of the Environment

Well Tag No. *(Place Sticker and/or Print Below)* A 051505

A051505

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
MacBeth Mechanical	Inc.		

Mailing Address (Street Number/Name, RR)	Municipality	Province	Postal Code	Telephone No. *(inc. area code)*
13 Neely	Dunrobin	Ontario	K0A1T0	6138320180

Part A Construction and/or Major Alteration of a Well

Address of Well Location (Street Number/Name, RR)	Township	Lot	Concession
2744 Dunrobin Road	Kanata	27	3

County/District/Municipality	City/Town/Village	Province	Postal Code
Ottawa Carleton	Dunrobin	Ontario	

UTM Coordinates	Zone	Easting	Northing	GPS Unit Make	Model	Mode of Operation
NAD 83	18	425026	5030298		GArmin	☐ Undifferentiated ☒ Averaged ☐ Differentiated, specify

Overburden and Bedrock Materials *(see instructions on the back of this form)*

General Colour	Most Common Material	Other Materials	General Description	Depth (Metres) From	To
Brown	Clay		Packed	0	7.61
Brown	Sand			7.61	11.58
Gray	Sand			11.58	18.43

Annular Space/Abandonment Sealing Record

Depth Set at (Metres) From	To	Type of Sealant Used (Material and Type)	Volume Placed (Cubic Metres)
17.22	0	Grouted - Bentonite Slurry	.132m3

Method of Construction

☐ Cable Tool ☐ Diamond ☐ Rotary (Conventional) ☐ Jetting ☐ Rotary (Reverse) ☒ Driving ☒ Rotary (Air) ☐ Digging ☐ Air percussion ☐ Boring ☐ Other, *specify* _____

Water Use

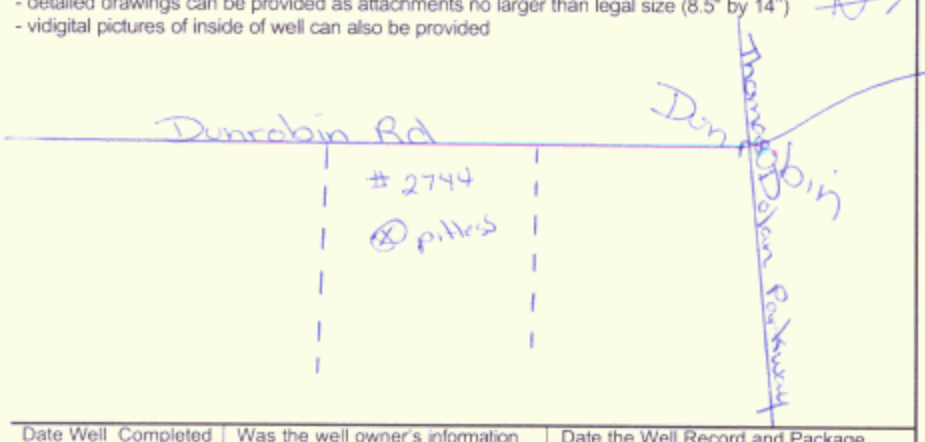
☐ Public ☐ Commercial ☐ Not used ☒ Domestic ☐ Municipal ☐ Dewatering ☐ Livestock ☐ Test Hole ☐ Monitoring ☐ Irrigation ☐ Cooling & Air Conditioning ☐ Industrial ☐ Other, *specify* _____

Status of Well

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

Location of Well

Please provide a map below showing:
- all property boundaries, and measurements sufficient to locate the well in relation to fixed points,
- an arrow indicating the North direction
- detailed drawings can be provided as attachments no larger than legal size (8.5" by 14")
- vidigital pictures of inside of well can also be provided



Date Well Completed *(yyyy/mm/dd)*	Was the well owner's information package delivered?	Date the Well Record and Package Delivered to Well Owner *(yyyy/mm/dd)*
2008/3/17	☒ Yes ☐ No	2008/3/18

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Capital Water Supply Ltd.	1558

Business Address (Street No./Name, Number, RR)	Municipality
Box 490	Stittsville

Province	Postal Code	Business E-mail Address
Ontario	K2A1A6	office@capitalwater.ca

Bus. Telephone No. *(inc. area code)*	Name of Well Technician (Last Name, First Name)
6138361766	Miller; Stephen

Well Technician's Licence No.	Signature of Technician	Date Submitted *(yyyy/mm/dd)*
0097		2008/3/19

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)*: 13.71

Pumping rate *(Litres/min)*: 54.6

Duration of pumping: 4 hrs + _____ min

Final water level end of pumping *(Metres)*: 7.82

Recommended pump type: ☐ Shallow ☒ Deep

Recommended pump depth: 13.71 Metres

Recommended pump rate *(Litres/min)*: 45.5

If flowing give rate *(Litres/min)*:

Draw Down Time (Min)	Water Level (Metres)	Recovery Time (Min)	Water Level (Metres)
Static Level	5.13	Static Level	
1	6.58	1	6.18
2	7.01	2	5.77
3	7.38	3	5.59
4	7.58	4	5.46
5	7.63	5	5.40
10	7.67	10	5.23
15	7.74	15	5.18
20	7.81	20	5.16
25	7.72	25	5.13
30	7.74	30	
40	7.81	40	
50	7.81	50	
60	7.87	60	

Water Details

Water found at Depth	Kind of Water
17.22 to 18.43 Metres ☐ Gas	☐ Fresh ☐ Salty ☐ Sulphur ☐ Minerals
_____ Metres ☐ Gas	☐ Fresh ☐ Salty ☐ Sulphur ☐ Minerals
_____ Metres ☐ Gas	☐ Fresh ☐ Salty ☐ Sulphur ☐ Minerals

Casing Used

☐ Galvanized ☒ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete

Screen Used

☐ Galvanized ☒ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete

No Casing and Screen Used

☐ Open Hole

Disinfected? ☒ Yes ☐ No

Casing and Well Details

Diameter of the Hole *(Centimetres)*: 15.86

0 17.22 // 17.22 -18.43

Depth of the Hole *(Metres)*: 18.43

Wall Thickness *(Metres)*: .48

Inside Diameter of the Casing *(Metres)*: 15.86

Depth of the Casing *(Metres)*: + 1.21 to 17.22

Ministry Use Only

Audit No.	Well Contractor No.
Z 77321	
Date Received *(yyyy/mm/dd)* JUN 02 2008	Date of Inspection *(yyyy/mm/dd)*
Remarks	

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Ontario — Ministry of the Environment

Measurements recorded in: [X] Metric [ ] Imperial

Well Tag No. *(Place Sticker and/or Print Below)* **A 068278**

Well Record

Regulation 903 Ontario Water Resources Act

Page _____ of _____

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	
MacBeth Mechanical	Inc.		[ ] Well Constructed by Well Owner

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. *(inc. area code)*
13 Neely	Dunrobin	Ontario	K 0 A 1 T 0	613 832 0180

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
2744 Dunrobin Road	Kanata	27	3

County/District/Municipality	City/Town/Village	Province	Postal Code
Ottawa Carleton	Dunrobin	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 8 3	1 8	4 2 0 2 7 5	5 0 3 0 3 0 1		

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
Brown	Clay		Packed	0	6.40
Brown	Sand	Silt	Fine	6.40	11.27
Brown	Sand		Fine	11.27	12.19
Gray	Sand			12.19	14.02

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used *(Material and Type)*	Volume Placed (m^3/ft^3)
12.80	0	Grouted Bentonite Slurry	.132m^3

Method of Construction

[ ] Cable Tool [ ] Diamond
[ ] Rotary (Conventional) [ ] Jetting
[X] Rotary (~~Reverse~~) AIR [ ] Driving
[ ] Boring [ ] Digging
[X] Air percussion
[ ] Other, *specify*

Well Use

[ ] Public [ ] Commercial [ ] Not used
[X] Domestic [ ] Municipal [ ] Dewatering
[ ] Livestock [ ] Test Hole [ ] Monitoring
[ ] Irrigation [ ] Cooling & Air Conditioning
[ ] Industrial
[ ] Other, *specify*

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
15.86	Steel	.48	+.45	12.80

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To
14.	Steel	8	12.80	14.02

Status of Well

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

Water Details

Water found at Depth (m/ft)	Kind of Water	Hole Diameter Depth From	Depth To	Diameter (cm/in)
12.80-14.02	[ ] Fresh [X] Untested [ ] Gas [ ] Other, *specify*	0	12.80	15.86
	[ ] Fresh [ ] Untested [ ] Gas [ ] Other, *specify*	12.80	14.02	14
	[ ] Fresh [ ] Untested [ ] Gas [ ] Other, *specify*			

Results of Well Yield Testing

After test of well yield, water was:
[X] Clear and sand free
[ ] Other, *specify*

If pumping discontinued, give reason:

Pump intake set at (m/ft): 12.19

Pumping rate (l/min / GPM): 54.6

Duration of pumping: 1 hrs + _____ min

Final water level end of pumping (m/ft): 7.61

If flowing give rate (l/min / GPM)

Recommended pump depth (m/ft): 12.19

Recommended pump rate (l/min / GPM): 45.5

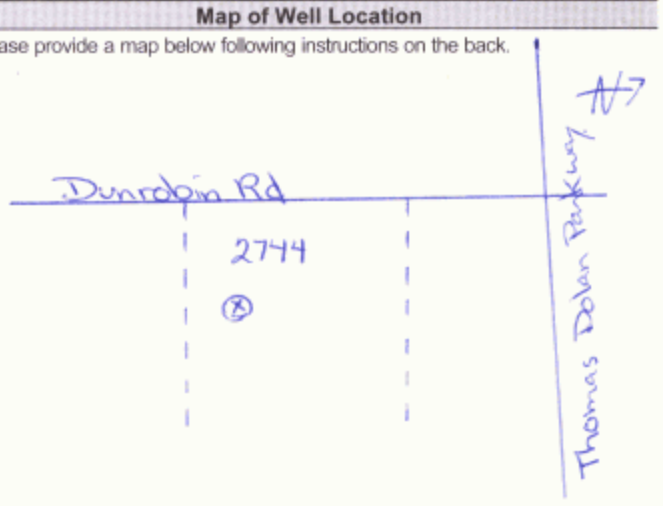
Well production (l/min / GPM)

Disinfected? [X] Yes [ ] No

Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level	5.18		
1	6.80	1	5.95
2	7.32	2	5.45
3	7.50	3	5.28
4	7.56	4	5.22
5	7.58	5	5.20
10	7.60	10	
15	7.61	15	
20	7.61	20	
25	7.62	25	
30	7.61	30	
40	7.61	40	
50	7.62	50	
60	7.61	60	

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Capital Water Supply Ltd.	1558

Business Address (Street Number/Name)	Municipality	Province	Postal Code	Business E-mail Address
Box 490	Stittsville	Ontario	K2S1A6	office@capitalwater.ca

Bus. Telephone No. *(inc. area code)*	Name of Well Technician (Last Name, First Name)	Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
613 836 1766	Miller, Stephen	0097		2008090 8

Well owner's information package delivered	Date Package Delivered	Date Work Completed
[ ] Yes [X] No	2008090 4	2008090 3

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Audit No. Z 84396

Received OCT 14 2008

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Measurements recorded in: [X] Metric [ ] Imperial

Well Tag No. *(Place Sticker and/or Print Below)* A051505

Well Record

Regulation 903 Ontario Water Resources Act

Page ____ of ____

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	[ ] Well Constructed by Well Owner
	MacBeth Mechanical Inc.		

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. *(inc. area code)*
13 Neely	Dunrobin	Ontario	K0A1T0	613 832 0180

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
2744 Dunrobin Road	Kanata	27	3

County/District/Municipality	City/Town/Village	Province	Postal Code
Ottawa Carleton	Dunrobin	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	420268	5030298		

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
	Well drilled 2008/03/17 Audit # 277321				

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m^3/ft^3)
18.43	0	Grouted Bentonite Hole Plug	

Method of Construction

[ ] Cable Tool [ ] Diamond
[ ] Rotary (Conventional) [ ] Jetting
[ ] Rotary (Reverse) [ ] Driving
[ ] Boring [ ] Digging
[ ] Air percussion
[ ] Other, *specify* ____

Well Use

[ ] Public [ ] Commercial [ ] Not used
[ ] Domestic [ ] Municipal [ ] Dewatering
[ ] Livestock [ ] Test Hole [ ] Monitoring
[ ] Irrigation [ ] Cooling & Air Conditioning
[ ] Industrial
[ ] Other, *specify* ____

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To

Construction Record - Screen

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

Status of Well

[ ] Water Supply
[ ] Replacement Well
[ ] Test Hole
[ ] Recharge Well
[ ] Dewatering Well
[ ] Observation and/or Monitoring Hole
[ ] Alteration (Construction)
[ ] Abandoned, Insufficient Supply
[X] Abandoned, Poor Water Quality
[ ] Abandoned, other, *specify* ____
[ ] Other, *specify* ____

Water Details

Water found at Depth (m/ft)	Kind of Water: [ ] Fresh [ ] Untested [ ] Gas [ ] Other, *specify*
Water found at Depth (m/ft)	Kind of Water: [ ] Fresh [ ] Untested [ ] Gas [ ] Other, *specify*
Water found at Depth (m/ft)	Kind of Water: [ ] Fresh [ ] Untested [ ] Gas [ ] Other, *specify*

Hole Diameter

Depth (m/ft) From	Depth (m/ft) To	Diameter (cm/in)

Results of Well Yield Testing

After test of well yield, water was:
[ ] Clear and sand free
[ ] Other, *specify* ____

If pumping discontinued, give reason:

Pump intake set at *(m/ft)*

Pumping rate *(l/min / GPM)*

Duration of pumping ____ hrs + ____ min

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

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

Recommended pump depth *(m/ft)*

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

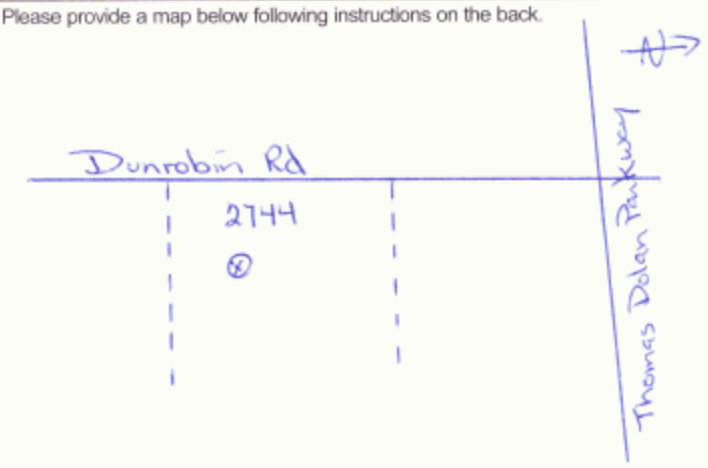
Well production *(l/min / GPM)*

Disinfected? [X] Yes [ ] No

	Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level				
1			1	
2			2	
3			3	
4			4	
5			5	
10			10	
15			15	
20			20	
25			25	
30			30	
40			40	
50			50	
60			60	

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Capital Water Supply Ltd.	1558

Business Address (Street Number/Name)	Municipality	Province	Postal Code	Business E-mail Address
Box 490	Stittsville	Ontario	K2S1A6	office@capitalwater.ca

Bus. Telephone No. *(inc. area code)*	Name of Well Technician (Last Name, First Name)	Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
6138361766	Miller, Stephen	0097		20080908

Well owner's information package delivered: [ ] Yes [X] No

Date Package Delivered: ____

Date Work Completed: 20080904

Ministry Use Only

Audit No. Z 84395

OCT 14 2008

Received

0506E (12/2007)

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Ontario — Ministry of the Environment

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

Well Record

Regulation 903 Ontario Water Resources Act

Page 1 of 2

Measurements recorded in: [X] Metric [ ] Imperial

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	
CITY OF OTTAWA % [redacted]			[ ] Well Constructed by Well Owner

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. (inc. area code)
110 LAURIER AVE WEST	OTTAWA	ON	K1P 1J1	(613) 580-2400

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
2800 DUNROBIN ROADS.	TORBOLTON	1	4

County/District/Municipality	City/Town/Village	Province	Postal Code
OTTAWA-CARLETON	DUNROBIN	Ontario	K0A 1T0

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 8 3	—	see below	→		

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

General Colour	Most Common Material	Other Materials	(GPS) General Description	Depth (m/ft) From	Depth (m/ft) To
WELL #				* DEPTH	
MW07-6			BASEMENT 2800 DUNROBIN ROADS	0.00	5.46
MW07-7			" " " "	0.00	5.77
TMW-03			" " " "	0.00	5.11
MW07-4			" " " "	0.00	5.72
MW07-18			18A20161E / 5030382N	0.00	11.22
MW07-18D			18A20161E / 5030382N	0.00	10.25
MW07-18X D			18A20161E / 5030382N	0.00	11.88
P1			18A20166E / 5030381N	0.00	6.90

Annular Space

* Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
0.00	above	Bentonite grout	0.22

Results of Well Yield Testing N/A

After test of well yield, water was:
[ ] Clear and sand free
[ ] Other, *specify*

If pumping discontinued, give reason: N/A

Pump intake set at (m/ft) N/A

Pumping rate (l/min / GPM) N/A

Duration of pumping ____ hrs + ____ min N/A

Final water level end of pumping (m/ft) N/A

If flowing give rate (l/min / GPM) N/A

Recommended pump depth (m/ft) N/A

Recommended pump rate (l/min / GPM) N/A

Well production (l/min / GPM) N/A.

Disinfected? [X] Yes [ ] No

Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
50		50	
60		60	

Method of Construction

[ ] Cable Tool [ ] Diamond
[ ] Rotary (Conventional) [ ] Jetting
[ ] Rotary (Reverse) [ ] Driving
[X] Boring [ ] Digging
[ ] Air percussion
[ ] Other, *specify* ____

Well Use

[ ] Public [ ] Commercial [ ] Not used
[ ] Domestic [ ] Municipal [ ] Dewatering
[ ] Livestock [ ] Test Hole [X] Monitoring
[ ] Irrigation [ ] Cooling & Air Conditioning
[ ] Industrial
[ ] Other, *specify* ____

Construction Record - Casing N/A.

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To

Construction Record - Screen N/A.

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

Status of Well

[ ] Water Supply
[ ] Replacement Well
[ ] Test Hole
[ ] Recharge Well
[ ] Dewatering Well
[ ] Observation and/or Monitoring Hole
[ ] Alteration (Construction)
[ ] Abandoned, Insufficient Supply
[ ] Abandoned, Poor Water Quality
[X] Abandoned, other, *specify* construction
[ ] Other, *specify* ____

Water Details N/A.

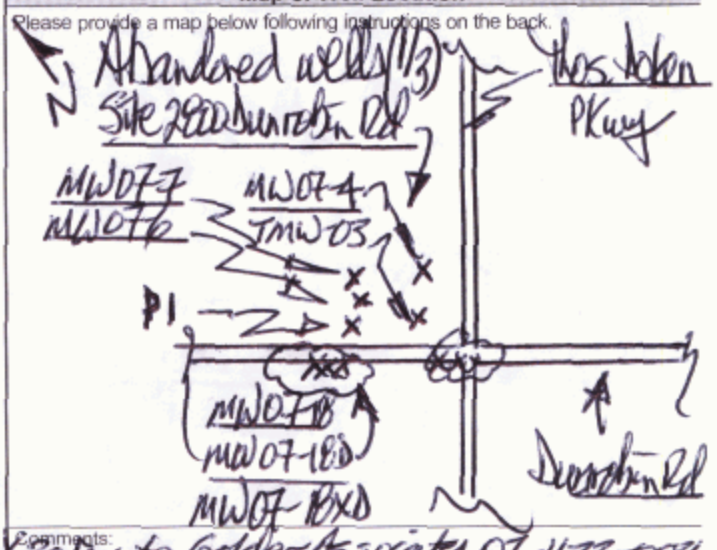
Water found at Depth (m/ft)	Gas	Kind of Water: Fresh	Untested	Other, specify

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)

Map of Well Location

Please provide a map below following instructions on the back.



Comments: *refer to Golder Associates 07-1120-0076 for exact borehole data.

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
STANTON DRILLING INC	4675

Business Address (Street Number/Name)	Municipality
BOX 219, 157 FIVE MILE LAKE DR.	PARRY SOUND

Province	Postal Code	Business E-mail Address
ON	P2A 2X0	Stanton.drilling@cyberus.ca

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)
(613) 624-5612	STANTON, PETER

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
0086		2008 12 30

Well owner's information package delivered	Date Package Delivered	Date Work Completed
[X] Yes [ ] No	2008 10 23	2008 10 23

Ministry Use Only

Audit No. Z 84257

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

Well Record

Regulation 903 Ontario Water Resources Act

Measurements recorded in: [X] Metric [ ] Imperial

Page 2 of 3

Well Owner's Information

First Name: CITY OF | Last Name/Organization: OTTAWA % [redacted] | Email Address | [ ] Well Constructed by Well Owner

Mailing Address (Street Number/Name): 110 LAURIER AVE WEST | Municipality: OTTAWA | Province: ON | Postal Code: K1P 1J1 | Telephone No. (inc. area code): (613) 580-2400

Well Location

Address of Well Location (Street Number/Name): 2660 DUNROBIN ROAD | Township: TORBOLTON | Lot: 1 | Concession: 4

County/District/Municipality: OTTAWA-CARLETON | City/Town/Village: DUNROBIN | Province: Ontario | Postal Code: K0A1T0

UTM Coordinates: NAD 8 3 | Zone | Easting | Northing: See below | Municipal Plan and Sublot Number | Other

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

General Colour	Most Common Material	Other Materials	(GPS) General Description	Depth (m/ft) From	Depth (m/ft) To
WELL #				* DEPTH	
MW07-8			18420157E/5030480N	0.00	6.03
MW07-9			18420155E/5030404N	0.00	6.90
MW07-10			18420150/5030412N	0.00	6.75
TMW-04			18420169E/5030411N	0.00	6.97
MW-04			18420167E/5030393N	0.00	6.00
MW07-6			18420169E/5030393N	0.00	6.92
TMW-02			18420176E/5030402N	0.00	6.70
TMW-11			18420172E/5030389N	0.00	7.00

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
0.00	above	Bentonite grout	0.76

Results of Well Yield Testing N/A

After test of well yield, water was: [ ] Clear and sand free [ ] Other, specify

If pumping discontinued, give reason: N/A

Pump intake set at (m/ft): N/A

Pumping rate (l/min / GPM): N/A

Duration of pumping: ___ hrs + ___ min: N/A

Final water level end of pumping (m/ft): N/A

If flowing give rate (l/min / GPM): N/A

Recommended pump depth (m/ft): N/A

Recommended pump rate (l/min / GPM): N/A

Well production (l/min / GPM): N/A

Disinfected? [X] Yes [ ] No

Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
50		50	
60		60	

Method of Construction

[ ] Cable Tool [ ] Diamond
[ ] Rotary (Conventional) [ ] Jetting
[ ] Rotary (Reverse) [ ] Driving
[X] Boring [ ] Digging
[ ] Air percussion
[ ] Other, specify

Well Use

[ ] Public [ ] Commercial [X] Not used
[ ] Domestic [ ] Municipal [X] Dewatering
[ ] Livestock [ ] Test Hole [X] Monitoring
[ ] Irrigation [ ] Cooling & Air Conditioning
[ ] Industrial
[ ] Other, specify

Construction Record - Casing N/A

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To

Construction Record - Screen N/A

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

Status of Well

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

Water Details N/A

Water found at Depth (m/ft)	Gas	Kind of Water	Fresh	Untested	Other, specify
	[ ]		[ ]	[ ]	
	[ ]		[ ]	[ ]	
	[ ]		[ ]	[ ]	

Hole Diameter

Depth (m/ft) From	Depth (m/ft) To	Diameter (cm/in)

Well Contractor and Well Technician Information

Business Name of Well Contractor: STANTON DRILLING INC | Well Contractor's Licence No.: 4875

Business Address (Street Number/Name): BOX 219, 157 FIVE ARCHES DR. | Municipality: PAKENHAM

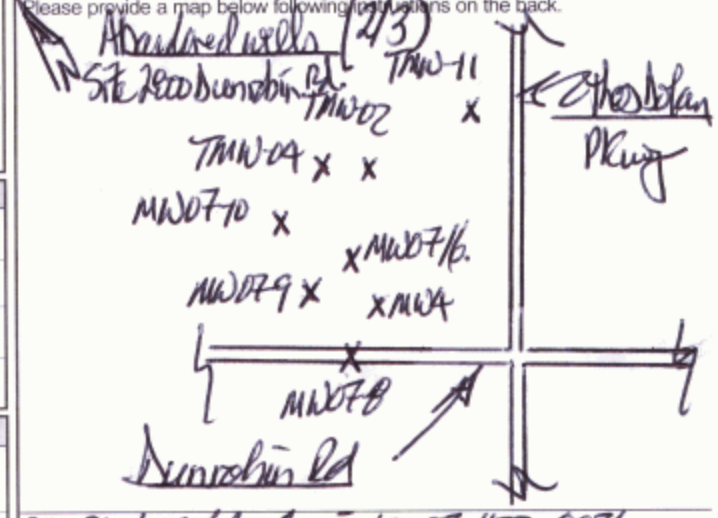
Province: ON | Postal Code: K0A2X0 | Business E-mail Address: stantondrilling@bellnet.ca

Bus. Telephone No. (inc. area code): (613) 624-5622 | Name of Well Technician (Last Name, First Name): STANTON, PETER

Well Technician's Licence No.: 0086 | Signature of Technician and/or Contractor | Date Submitted: Feb 1/30

Map of Well Location

Please provide a map below following instructions on the back.



Comments: Refer to Golder Associates 07-1122-0026 for exact borehole data.

Well owner's information package delivered: [X] Yes [ ] No

Date Package Delivered: 2008/10/23 (Y M D)

Date Work Completed: 2008/10/23 (Y M D)

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

Well Record

Regulation 903 Ontario Water Resources Act

Page 3 of 3

Measurements recorded in: [X] Metric [ ] Imperial

Well Owner's Information

First Name: CITY OF OTTAWA % [redacted] | Last Name / Organization | E-mail Address | [ ] Well Constructed by Well Owner

Mailing Address (Street Number/Name): 110 LAURIER AVE WEST | Municipality: OTTAWA | Province: ON | Postal Code: K1P 1J1 | Telephone No. *(inc. area code)*: (613) 580-2400.

Well Location

Address of Well Location (Street Number/Name): 2600 DUNROBIN ROAD | Township: TORBOLTON | Lot: 1 | Concession: 4

County/District/Municipality: OTTAWA-CARLETON | City/Town/Village: DUNROBIN | Province: Ontario | Postal Code: K0A 1T0

UTM Coordinates: NAD 8 3 | Zone | Easting | Northing: +/- see below | Municipal Plan and Sublot Number | Other

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

General Colour	Most Common Material	Other Materials	(6P3) General Description	Depth (m/ft) From	Depth (m/ft) To
WELL #				DEPTH	
MW036			18 420 FE / 5030369 N	0.00	6.70
MW07-RXD			18 420 FE / 5030369 N	0.00	10.56
MW07-RXD			18 420 FE / 5030369 N	0.00	14.88.
MW2			18 420 83E / 5030393 N	0.00	6.02
TMW01.			18 420 8E / 5030393 N	0.00	6.88.

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
0.00	above	Bentonite grout.	0.26

Method of Construction

[ ] Cable Tool [ ] Diamond
[ ] Rotary (Conventional) [ ] Jetting
[ ] Rotary (Reverse) [ ] Driving
[X] Boring [ ] Digging
[ ] Air percussion
[ ] Other, *specify*

Well Use

[ ] Public [ ] Commercial [X] Not used
[ ] Domestic [ ] Municipal [ ] Dewatering
[ ] Livestock [ ] Test Hole [X] Monitoring
[ ] Irrigation [ ] Cooling & Air Conditioning
[ ] Industrial
[ ] Other, *specify*

Construction Record - Casing

N/A.

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	To
	X			

Construction Record - Screen

N/A

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

Status of Well

[ ] Water Supply
[ ] Replacement Well
[ ] Test Hole
[ ] Recharge Well
[ ] Dewatering Well
[ ] Observation and/or Monitoring Hole
[ ] Alteration (Construction)
[ ] Abandoned, Insufficient Supply
[ ] Abandoned, Poor Water Quality
[X] Abandoned, other, *specify* construction.
[ ] Other, *specify*

Water Details

N/A.

Water found at Depth (m/ft)	Gas	Kind of Water: Fresh	Untested	Other, *specify*
Water found at Depth (m/ft)	Gas	Kind of Water: Fresh	Untested	Other, *specify*
Water found at Depth (m/ft)	Gas	Kind of Water: Fresh	Untested	Other, *specify*

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)

Results of Well Yield Testing

After test of well yield, water was:
[ ] Clear and sand free
[ ] Other, *specify*

If pumping discontinued, give reason: N/A

Pump intake set at (m/ft): N/A

Pumping rate (l/min / GPM): N/A

Duration of pumping: ____ hrs + ____ min: N/A

Final water level end of pumping (m/ft): N/A

If flowing give rate (l/min / GPM): N/A

Recommended pump depth (m/ft): N/A

Recommended pump rate (l/min / GPM): N/A

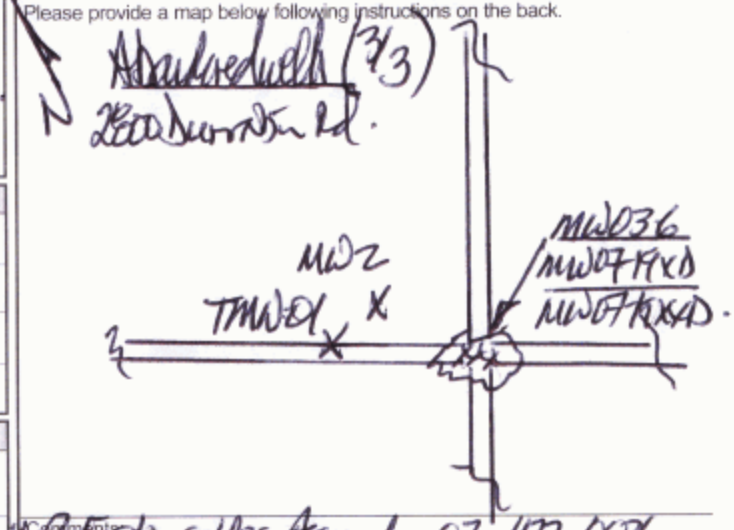
Well production (l/min / GPM): N/A

Disinfected? [X] Yes [ ] No

Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
50		50	
60		60	

Map of Well Location

Please provide a map below following instructions on the back.



Comments: Refer to Golder Assoc. 07-1122-0026 Report Dated

Well Contractor and Well Technician Information

Business Name of Well Contractor: STANTON DRILLING INC | Well Contractor's Licence No.: 4075

Business Address (Street Number/Name): BOX 219, 151 FIVE ARCHES DR. | Municipality: PEMBROKE

Province: ON | Postal Code: K8A 7X0 | Business E-mail Address: stantondrill@eagle.ca

Bus. Telephone No. *(inc. area code)*: (613) 624-5622 | Name of Well Technician (Last Name, First Name): STANTON, PETER

Well Technician's Licence No.: 0086 | Signature of Technician and/or Contractor | Date Submitted: 2008/12/30.

Well owner's information package delivered	Date Package Delivered	Date Work Completed
[X] Yes [ ] No	2008/12/23	2008/12/23

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Well Tag No. A 082447

A 082447

Well Record

Regulation 903 Ontario Water Resources Act

Measurements recorded in: ☐ Metric ☒ Imperial

Page ____ of ____

[redacted]

Address of Well Location (Street Number/Name): 2751 Dunrobin Rd.

Township: West Carleton

Lot: P/L 27

Concession: 3

County/District/Municipality: Ottawa-Carleton

City/Town/Village: Dunrobin

Province: Ontario

Postal Code:

UTM Coordinates NAD 83: Zone 18 Easting 420181 Northing 5030337

Municipal Plan and Sublot Number: Plan 5R-10290

Other: S/L 1

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
	Sand and Gravel			0	89'
	Grey Limestone			89	140'

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
98'	88'	Neat Cement Slurry	7.8
88'	0	Bentonite Slurry	37.8

Method of Construction

☐ Cable Tool ☐ Diamond
☐ Rotary (Conventional) ☐ Jetting
☐ Rotary (Reverse) ☐ Driving
☐ Boring ☐ Digging
☒ Air percussion
☐ Other, specify

Well Use

☐ Public ☐ Commercial ☐ Not used
☒ Domestic ☐ Municipal ☐ Dewatering
☐ Livestock ☐ Test Hole ☐ Monitoring
☐ Irrigation ☐ Cooling & Air Conditioning
☐ Industrial
☐ Other, specify

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
6"	Steel	.188	+2	98'
6"	Openhole		98'	140'

Construction Record - Screen

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

Status of Well

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

Water Details

Water found at Depth	Kind of Water	Gas	Other, specify
108' (m/ft)	☐ Fresh ☒ Untested	☐ Gas	
135' (m/ft)	☐ Fresh ☒ Untested	☐ Gas	
(m/ft)	☐ Fresh ☐ Untested	☐ Gas	

Hole Diameter

Depth (m/ft) From	Depth (m/ft) To	Diameter (cm/in)
0	140'	6"

Results of Well Yield Testing

After test of well yield, water was: ☒ Clear and sand free ☐ Other, specify — (30 PSI)

If pumping discontinued, give reason:

Pump intake set at (m/ft): 120'

Pumping rate (l/min / GPM): 20

Duration of pumping: 1 hrs + 0 min

Final water level end of pumping (m/ft): 46.6

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

Recommended pump depth (m/ft): (1/2 HP) 100

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

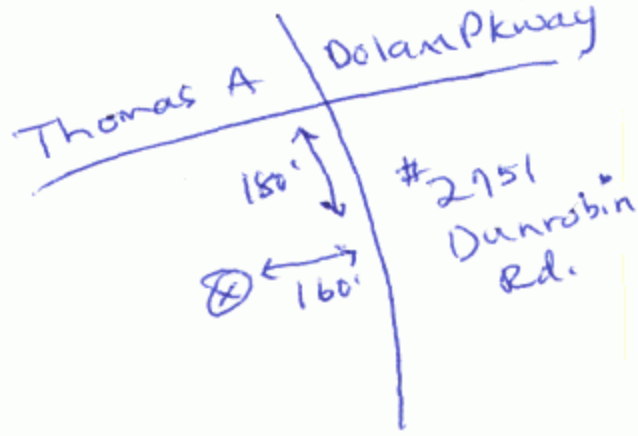
Well production (l/min / GPM): 20

Disinfected? ☒ Yes ☐ No

Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level	20.3		46.6
1	29.5	1	28.3
2	34.4	2	24.2
3	37.1	3	23
4	39.4	4	21.2
5	41.3	5	20.8
10	44.6	10	20.3
15	45.7	15	
20	46	20	
25	46.1	25	
30	46.2	30	
40	46.4	40	
50	46.5	50	
60	46.6	60	

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor: AIR ROCK DRILLING CO LTD

Well Contractor's Licence No.: 1119

Business Address (Street Number/Name): 8 OR 1

Municipality: Richmond

Province: Ont

Postal Code: K0A 2Z0

Business E-mail Address:

Bus. Telephone No. (inc. area code): 6138382170

Name of Well Technician (Last Name, First Name): Hogan, Dan

Well Technician's Licence No.: T3058

Signature of Technician and/or Contractor:

Date Submitted: 20090403

Well owner's information package delivered: ☒ Yes ☐ No

Date Package Delivered: 2008 12 03

Date Work Completed: 2008 12 02

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

Well Record

Regulation 903 Ontario Water Resources Act

Measurements recorded in: [X] Metric [ ] Imperial

Page ____ of ____

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	
	City of Ottawa		[ ] Well Constructed by Well Owner

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. *(inc. area code)*
100 Constellation Cres.	Ottawa	Ontario	K2G 1J9	613 580 2424

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
MW07-12	West Carleton	1	3

County/District/Municipality	City/Town/Village	Province	Postal Code
Ottawa Carleton	Dunrobin	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD	18	420134	5030400		

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m^3/ft^3)
6.5	0	Bentonite Cement Grouted 2"	hole

Method of Construction

[ ] Cable Tool [ ] Diamond
[ ] Rotary (Conventional) [ ] Jetting
[ ] Rotary (Reverse) [ ] Driving
[ ] Boring [ ] Digging
[ ] Air percussion
[ ] Other, *specify* ____

Well Use

[ ] Public [ ] Commercial [ ] Not used
[ ] Domestic [ ] Municipal [ ] Dewatering
[ ] Livestock [ ] Test Hole [ ] Monitoring
[ ] Irrigation [ ] Cooling & Air Conditioning
[ ] Industrial
[ ] Other, *specify* ____

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To

Construction Record - Screen

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

Status of Well

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

Water Details

Water found at Depth (m/ft)	Kind of Water	Gas	Other, specify
	[ ] Fresh [ ] Untested	[ ]	
	[ ] Fresh [ ] Untested	[ ]	
	[ ] Fresh [ ] Untested	[ ]	

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)

Results of Well Yield Testing

After test of well yield, water was:
[ ] Clear and sand free
[ ] Other, *specify* ____

If pumping discontinued, give reason:

Pump intake set at *(m/ft)*

Pumping rate *(l/min / GPM)*

Duration of pumping ____ hrs + ____ min

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

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

Recommended pump depth *(m/ft)*

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

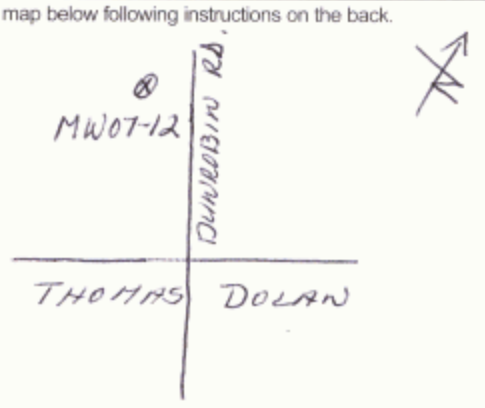
Well production *(l/min / GPM)*

Disinfected? [X] Yes [ ] No

Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
50		50	
60		60	

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Capital Water Supply Ltd.	1558

Business Address (Street Number/Name)	Municipality
Box 490	Stittsville

Province	Postal Code	Business E-mail Address
Ontario	K2S 1A6	office@capitalwater.ca

Bus. Telephone No. *(inc. area code)*	Name of Well Technician (Last Name, First Name)
613 836 1766	Miller, Stephen

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
0097		20090511

Well owner's information package delivered: [ ] Yes [X] No

Date Package Delivered: Y Y Y Y M M D D

Date Work Completed: 20090511

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

Well Record

Regulation 903 Ontario Water Resources Act

Measurements recorded in: [X] Metric [ ] Imperial

Page ____ of ____

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	[ ] Well Constructed by Well Owner
	City of Ottawa		

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. *(inc. area code)*
100 Constellation Cres.	Ottawa	Ontario	K2G 1J9	613 580 2424

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
TMW-13	Kanata	27	4

County/District/Municipality	*City/Town/Village*	Province	Postal Code
Ottawa Carleton	Dunrobin	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	420188	5030339		

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

General Colour	Most Common Material	Other Materials	General Description	Depth (*m/ft*) From	Depth (*m/ft*) To

Annular Space

Depth Set at (*m/ft*) From	Depth Set at (*m/ft*) To	Type of Sealant Used *(Material and Type)*	Volume Placed (m^3/ft^3)
6.6	0	Bentonite Cement Grout	
		1 inch diam.	

Method of Construction

[ ] Cable Tool [ ] Diamond
[ ] Rotary (Conventional) [ ] Jetting
[ ] Rotary (Reverse) [ ] Driving
[ ] Boring [ ] Digging
[ ] Air percussion
[ ] Other, *specify* ____

Well Use

[ ] Public [ ] Commercial [ ] Not used
[ ] Domestic [ ] Municipal [ ] Dewatering
[ ] Livestock [ ] Test Hole [ ] Monitoring
[ ] Irrigation [ ] Cooling & Air Conditioning
[ ] Industrial
[ ] Other, *specify* ____

Construction Record - Casing

Inside Diameter (*cm/in*)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (*cm/in*)	Depth (*m/ft*) From	Depth (*m/ft*) To

Construction Record - Screen

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

Status of Well

[ ] Water Supply
[ ] Replacement Well
[ ] Test Hole
[ ] Recharge Well
[ ] Dewatering Well
[ ] Observation and/or Monitoring Hole
[ ] Alteration (Construction)
[ ] Abandoned, Insufficient Supply
[ ] Abandoned, Poor Water Quality
[X] Abandoned, other, *specify* ____
[ ] Other, *specify* ____

Water Details

Water found at Depth (*m/ft*)	Gas	Kind of Water	Other, *specify*
	[ ]	[ ] Fresh [ ] Untested	
	[ ]	[ ] Fresh [ ] Untested	
	[ ]	[ ] Fresh [ ] Untested	

Hole Diameter

Depth (*m/ft*) From	Depth (*m/ft*) To	Diameter (*cm/in*)

Results of Well Yield Testing

After test of well yield, water was:
[ ] Clear and sand free
[ ] Other, *specify* ____

If pumping discontinued, give reason:

Pump intake set at (*m/ft*)

Pumping rate (*l/min / GPM*)

Duration of pumping ____ *hrs* + ____ *min*

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

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

Recommended pump depth (*m/ft*)

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

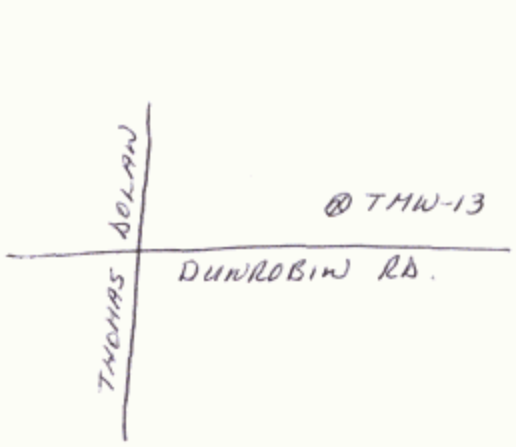
Well production (*l/min / GPM*)

Disinfected?
[X] Yes [ ] No

Draw Down Time (*min*)	Draw Down Water Level (*m/ft*)	Recovery Time (*min*)	Recovery Water Level (*m/ft*)
Static Level			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
50		50	
60		60	

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Capital Water Supply Ltd.	1558

Business Address (Street Number/Name)	Municipality
Box 490	Stittsville

Province	Postal Code	Business E-mail Address
Ontario	K2S 1A6	office@capitalwater.ca

Bus. Telephone No. *(inc. area code)*	Name of Well Technician (Last Name, First Name)
613 836 1766	Miller, Stephen

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
0097		20090511

Well owner's information package delivered	Date Package Delivered	Date Work Completed
[ ] Yes [X] No		20090511

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Audit No. Z 095301

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Ontario — Ministry of the Environment

Measurements recorded in: [X] Metric [ ] Imperial

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

Well Record

Regulation 903 Ontario Water Resources Act

Page ____ of ____

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	[ ] Well Constructed by Well Owner
	City of Ottawa		

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. *(inc. area code)*
100 Constellation Cres.	Ottawa	Ontario	K2G 1J9	613 580 2424

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
MW03-7	Kanata	3	4

County/District/Municipality	City/Town/Village	Province	Postal Code
Ottawa Carleton	Dunrobin	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD	18	420189	5030372		

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To

Annular Space

Depth Set at (m/ft) From	Depth Set at (m/ft) To	Type of Sealant Used (Material and Type)	Volume Placed (m^3/ft^3)
6.5	0	Bentonite Cement Grout	
		2 inch diam.	

Method of Construction

[ ] Cable Tool [ ] Diamond
[ ] Rotary (Conventional) [ ] Jetting
[ ] Rotary (Reverse) [ ] Driving
[ ] Boring [ ] Digging
[ ] Air percussion
[ ] Other, *specify*

Well Use

[ ] Public [ ] Commercial [ ] Not used
[ ] Domestic [ ] Municipal [ ] Dewatering
[ ] Livestock [ ] Test Hole [ ] Monitoring
[ ] Irrigation [ ] Cooling & Air Conditioning
[ ] Industrial
[ ] Other, *specify*

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To

Construction Record - Screen

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

Status of Well

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

Water Details

Water found at Depth (m/ft)	Gas	Kind of Water: Fresh	Untested	Other, specify

Hole Diameter

Depth (m/ft) From	Depth (m/ft) To	Diameter (cm/in)

Results of Well Yield Testing

After test of well yield, water was:
[ ] Clear and sand free
[ ] Other, *specify*

If pumping discontinued, give reason:

Pump intake set at *(m/ft)*

Pumping rate *(l/min / GPM)*

Duration of pumping ____ hrs + ____ min

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

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

Recommended pump depth *(m/ft)*

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

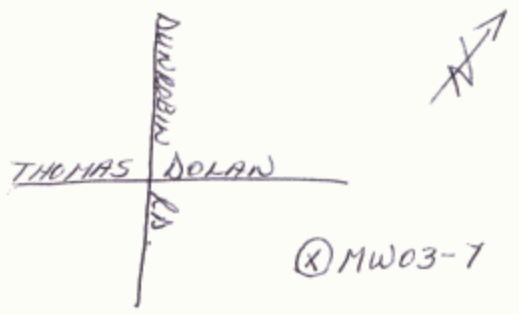
Well production *(l/min / GPM)*

Disinfected?
[X] Yes [ ] No

Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
50		50	
60		60	

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Capital Water Supply Ltd.	1558

Business Address (Street Number/Name)	Municipality	Province	Postal Code	Business E-mail Address
Box 490	Stittsville	Ontario	K2S 1A6	office@capitalwater.ca

Bus. Telephone No. *(inc. area code)*	Name of Well Technician (Last Name, First Name)	Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
613 836 1766	Miller, Stephen	0097		2009 05 11

Well owner's information package delivered	Date Package Delivered	Date Work Completed
[ ] Yes [X] No	Y Y Y Y M M D D	2009 05 11

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Audit No. Z 095299

JUN 23 2009 Received

0506E (12/2007)

Ministry's Copy

Ontario — Ministry of the Environment

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

Well Record

Regulation 903 Ontario Water Resources Act

Measurements recorded in: [X] Metric [ ] Imperial

Page _____ of _____

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	[ ] Well Constructed by Well Owner
	City of Ottawa		

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. *(inc. area code)*
100 Constellation Cres.	Ottawa	Ontario	K2G 1J9	613 580 2424

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
TMW-14	Kanata	27	4

County/District/Municipality	City/Town/Village	Province	Postal Code
Ottawa Carleton	Dunrobin	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	420199	503 0382		

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m^3/ft^3)
6.6	0	Cement Bentonite Grout	
		1 inch diam.	

Method of Construction

[ ] Cable Tool [ ] Diamond
[ ] Rotary (Conventional) [ ] Jetting
[ ] Rotary (Reverse) [ ] Driving
[ ] Boring [ ] Digging
[ ] Air percussion
[ ] Other, *specify* _____

Well Use

[ ] Public [ ] Commercial [ ] Not used
[ ] Domestic [ ] Municipal [ ] Dewatering
[ ] Livestock [ ] Test Hole [ ] Monitoring
[ ] Irrigation [ ] Cooling & Air Conditioning
[ ] Industrial
[ ] Other, *specify* _____

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To

Construction Record - Screen

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

Status of Well

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

Water Details

Water found at Depth (m/ft)	Kind of Water	Gas	Other, specify
	[ ] Fresh [ ] Untested	[ ]	
	[ ] Fresh [ ] Untested	[ ]	
	[ ] Fresh [ ] Untested	[ ]	

Hole Diameter

Depth (m/ft) From	Depth (m/ft) To	Diameter (cm/in)

Results of Well Yield Testing

After test of well yield, water was:
[ ] Clear and sand free
[ ] Other, *specify* _____

If pumping discontinued, give reason:

Pump intake set at *(m/ft)*

Pumping rate *(l/min / GPM)*

Duration of pumping _____ hrs + _____ min

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

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

Recommended pump depth *(m/ft)*

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

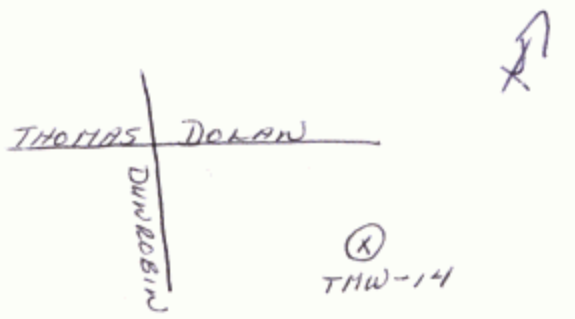
Well production *(l/min / GPM)*

Disinfected? [X] Yes [ ] No

Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
50		50	
60		60	

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Capital Water Supply Ltd.	1558

Business Address (Street Number/Name)	Municipality	Province	Postal Code	Business E-mail Address
Box 490	Stittsville	Ontario	K2S 1A6	office@capitalwater.ca

Bus. Telephone No. *(inc. area code)*	Name of Well Technician (Last Name, First Name)	Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
613 836 1766	Miller, Stephen	0097		20090511

Well owner's information package delivered	Date Package Delivered	Date Work Completed
[ ] Yes [X] No		20090511

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Audit No. Z 095298

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

Well Record

Regulation 903 Ontario Water Resources Act

Measurements recorded in: [X] Metric [ ] Imperial

Page ____ of ____

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	
	City of Ottawa		[ ] Well Constructed by Well Owner

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. *(inc. area code)*
100 Constellation Cres.	Ottawa	Ontario	K2G 1J9	613 580 2424

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
MW07-21D	Kanata	27	4

County/District/Municipality	City/Town/Village	Province	Postal Code
Ottawa Carleton	Dunrobin	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	420189	5030371		

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To

Annular Space

Depth Set at (m/ft) From	Depth Set at (m/ft) To	Type of Sealant Used (Material and Type)	Volume Placed (m^3/ft^3)
9.9	0	Bentonite Cement Grout	
		2 inch diam.	

Method of Construction

[ ] Cable Tool [ ] Diamond [ ] Rotary (Conventional) [ ] Jetting [ ] Rotary (Reverse) [ ] Driving [ ] Boring [ ] Digging [ ] Air percussion [ ] Other, *specify*

Well Use

[ ] Public [ ] Commercial [ ] Not used [ ] Domestic [ ] Municipal [ ] Dewatering [ ] Livestock [ ] Test Hole [ ] Monitoring [ ] Irrigation [ ] Cooling & Air Conditioning [ ] Industrial [ ] Other, *specify*

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To

Construction Record - Screen

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

Status of Well

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

Water Details

Water found at Depth (m/ft)	Kind of Water	
	[ ] Fresh [ ] Untested	[ ] Gas [ ] Other, *specify*
	[ ] Fresh [ ] Untested	[ ] Gas [ ] Other, *specify*
	[ ] Fresh [ ] Untested	[ ] Gas [ ] Other, *specify*

Hole Diameter

Depth (m/ft) From	Depth (m/ft) To	Diameter (cm/in)

Results of Well Yield Testing

After test of well yield, water was: [ ] Clear and sand free [ ] Other, *specify*

If pumping discontinued, give reason:

Pump intake set at *(m/ft)*

Pumping rate *(l/min / GPM)*

Duration of pumping ____ hrs + ____ min

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

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

Recommended pump depth *(m/ft)*

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

Well production *(l/min / GPM)*

Disinfected? [X] Yes [ ] No

	Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level				
1			1	
2			2	
3			3	
4			4	
5			5	
10			10	
15			15	
20			20	
25			25	
30			30	
40			40	
50			50	
60			60	

Map of Well Location

Please provide a map below following instructions on the back.

Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Capital Water Supply Ltd.	1558

Business Address (Street Number/Name)	Municipality
Box 490	Stittsville

Province	Postal Code	Business E-mail Address
Ontario	K2S 1A6	office@capitalwater.ca

Bus. Telephone No. *(inc. area code)*	Name of Well Technician (Last Name, First Name)
613 836 1766	Miller, Stephen

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
0097		2009 05 11

Well owner's information package delivered	Date Package Delivered	Date Work Completed
[ ] Yes [X] No		2009 05 11

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0506E (12/2007)

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

Well Record

Regulation 903 Ontario Water Resources Act

Measurements recorded in: [X] Metric [ ] Imperial

Page _____ of _____

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	[ ] Well Constructed by Well Owner
	City of Ottawa		

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. *(inc. area code)*
100 Constellation Cres.	Ottawa	Ontario	K2G 1J9	613 580 2424

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
MW07-17D	West Carleton-Torbolton	1	4

County/District/Municipality	City/Town/Village	Province	Postal Code
Ottawa Carleton	Dunrobin	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	420145	5030331		

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To

Annular Space

Depth Set at (m/ft) From	Depth Set at (m/ft) To	Type of Sealant Used (Material and Type)	Volume Placed (m^3/ft^3)
9.9	0	Bentonite Cement Grouted	
		2 inch diam.	

Method of Construction

[ ] Cable Tool [ ] Diamond [ ] Rotary (Conventional) [ ] Jetting [ ] Rotary (Reverse) [ ] Driving [ ] Boring [ ] Digging [ ] Air percussion [ ] Other, *specify*

Well Use

[ ] Public [ ] Commercial [ ] Not used [ ] Domestic [ ] Municipal [ ] Dewatering [ ] Livestock [ ] Test Hole [ ] Monitoring [ ] Irrigation [ ] Cooling & Air Conditioning [ ] Industrial [ ] Other, *specify*

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To

Construction Record - Screen

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

Status of Well

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

Water Details

Water found at Depth (m/ft)	Kind of Water	Gas	Other, specify
	[ ] Fresh [ ] Untested	[ ]	
	[ ] Fresh [ ] Untested	[ ]	
	[ ] Fresh [ ] Untested	[ ]	

Hole Diameter

Depth (m/ft) From	Depth (m/ft) To	Diameter (cm/in)

Results of Well Yield Testing

After test of well yield, water was:
[ ] Clear and sand free
[ ] Other, *specify*

If pumping discontinued, give reason:

Pump intake set at *(m/ft)*

Pumping rate *(l/min / GPM)*

Duration of pumping _____ hrs + _____ min

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

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

Recommended pump depth *(m/ft)*

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

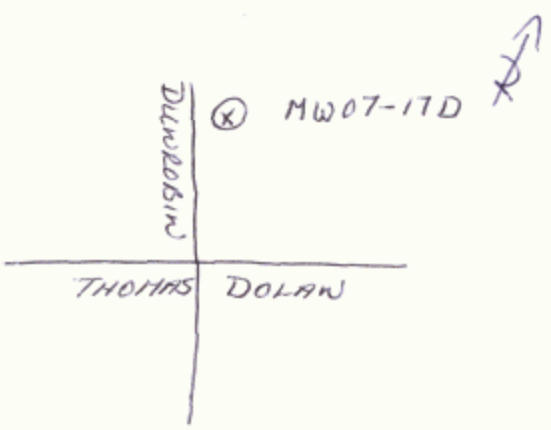
Well production *(l/min / GPM)*

Disinfected? [X] Yes [ ] No

	Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level				
1			1	
2			2	
3			3	
4			4	
5			5	
10			10	
15			15	
20			20	
25			25	
30			30	
40			40	
50			50	
60			60	

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Capital Water Supply Ltd.	1558

Business Address (Street Number/Name)	Municipality	Province	Postal Code	Business E-mail Address
Box 490	Stittsville	Ontario	K2S 1A6	office@capitalwater.ca

Bus. Telephone No. *(inc. area code)*	Name of Well Technician (Last Name, First Name)	Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
613 836 1766	Miller, Stephen	0097		2009 05 11

Well owner's information package delivered	Date Package Delivered	Date Work Completed
[ ] Yes [X] No		2009 05 11

Ministry Use Only

Audit No. Z 095302

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0506E (12/2007)

Ministry's Copy

Ontario Ministry of the Environment

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

Well Record

Regulation 903 Ontario Water Resources Act

Measurements recorded in: [X] Metric [ ] Imperial

Page _____ of _____

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	[ ] Well Constructed by Well Owner
	City of Ottawa		

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. *(inc. area code)*
100 Constellation Cres.	Ottawa	Ontario	K2G 1J9	613 580 2424

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
MW07-13	West Carleton-Torbolton	1	3

County/District/Municipality	City/Town/Village	Province	Postal Code
Ottawa Carleton	Dunrobin	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	420123	5030387		

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To

Annular Space

Depth Set at (m/ft) From	Depth Set at (m/ft) To	Type of Sealant Used *(Material and Type)*	Volume Placed (m^3/ft^3)
6.70	0	Cement Bentonite Grout	
		2 inch diam.	

Method of Construction

[ ] Cable Tool [ ] Diamond
[ ] Rotary (Conventional) [ ] Jetting
[ ] Rotary (Reverse) [ ] Driving
[ ] Boring [ ] Digging
[ ] Air percussion
[ ] Other, *specify*

Well Use

[ ] Public [ ] Commercial [ ] Not used
[ ] Domestic [ ] Municipal [ ] Dewatering
[ ] Livestock [ ] Test Hole [ ] Monitoring
[ ] Irrigation [ ] Cooling & Air Conditioning
[ ] Industrial
[ ] Other, *specify*

Construction Record - Casing

Inside Diameter *(cm/in)*	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness *(cm/in)*	Depth (m/ft) From	Depth (m/ft) To

Construction Record - Screen

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

Status of Well

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

Water Details

Water found at Depth (m/ft)	Kind of Water	Gas	Other, specify
	[ ] Fresh [ ] Untested	[ ] Gas	[ ] Other, specify
	[ ] Fresh [ ] Untested	[ ] Gas	[ ] Other, specify
	[ ] Fresh [ ] Untested	[ ] Gas	[ ] Other, specify

Hole Diameter

Depth (m/ft) From	Depth (m/ft) To	Diameter *(cm/in)*

Results of Well Yield Testing

After test of well yield, water was:
[ ] Clear and sand free
[ ] Other, *specify*

If pumping discontinued, give reason:

Pump intake set at *(m/ft)*

Pumping rate *(l/min / GPM)*

Duration of pumping _____ hrs + _____ min

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

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

Recommended pump depth *(m/ft)*

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

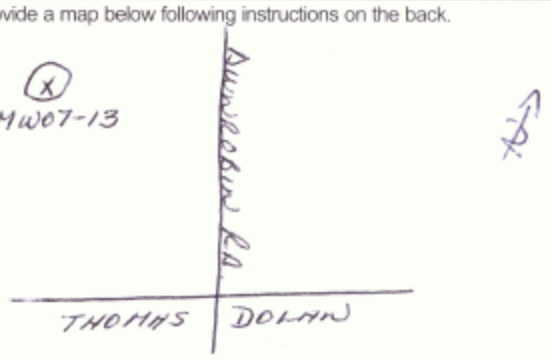
Well production *(l/min / GPM)*

Disinfected?
[X] Yes [ ] No

	Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level				
1			1	
2			2	
3			3	
4			4	
5			5	
10			10	
15			15	
20			20	
25			25	
30			30	
40			40	
50			50	
60			60	

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Capital Water Supply Ltd.	1558

Business Address (Street Number/Name)	Municipality
Box 490	Stittsville

Province	Postal Code	Business E-mail Address
Ontario	K2S 1A6	office@capitalwater.ca

Bus. Telephone No. *(inc. area code)*	Name of Well Technician (Last Name, First Name)
613 836 1766	Miller, Stephen

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
0097		2009051 1

Well owner's information package delivered
[ ] Yes
[X] No

Date Package Delivered Y Y Y Y M M D D

Date Work Completed 2009051 1

Ministry Use Only

Audit No. Z 095297

Received JUN 23 2009

0506E (12/2007)

Ministry's Copy

Ontario — Ministry of the Environment

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

Well Record

Regulation 903 Ontario Water Resources Act

Measurements recorded in: [X] Metric [ ] Imperial

Page _____ of _____

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	[ ] Well Constructed by Well Owner
	City of Ottawa		

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. *(inc. area code)*
100 Constellation Cres.	Ottawa	Ontario	K2G 1J9	613 580 2424

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
TMW-15	West Carleton-Torbolton	1	3

County/District/Municipality	City/Town/Village	Province	Postal Code
Ottawa Carleton	Dunrobin	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	420127	5030384		

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To

Annular Space

Depth Set at (m/ft) From	Depth Set at (m/ft) To	Type of Sealant Used (Material and Type)	Volume Placed (m^3/ft^3)
6.5	0	Bentonite Cement Grout	
		1 inch diam.	

Method of Construction

[ ] Cable Tool [ ] Diamond
[ ] Rotary (Conventional) [ ] Jetting
[ ] Rotary (Reverse) [ ] Driving
[ ] Boring [ ] Digging
[ ] Air percussion
[ ] Other, *specify* _____

Well Use

[ ] Public [ ] Commercial [ ] Not used
[ ] Domestic [ ] Municipal [ ] Dewatering
[ ] Livestock [ ] Test Hole [ ] Monitoring
[ ] Irrigation [ ] Cooling & Air Conditioning
[ ] Industrial
[ ] Other, *specify* _____

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To

Construction Record - Screen

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

Status of Well

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

Water Details

Water found at Depth (m/ft)	Kind of Water	Gas	Other, specify
	[ ] Fresh [ ] Untested	[ ]	
	[ ] Fresh [ ] Untested	[ ]	
	[ ] Fresh [ ] Untested	[ ]	

Hole Diameter

Depth (m/ft) From	Depth (m/ft) To	Diameter (cm/in)

Results of Well Yield Testing

After test of well yield, water was:
[ ] Clear and sand free
[ ] Other, *specify* _____

If pumping discontinued, give reason:

Pump intake set at *(m/ft)*

Pumping rate *(l/min / GPM)*

Duration of pumping _____ hrs + _____ min

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

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

Recommended pump depth *(m/ft)*

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

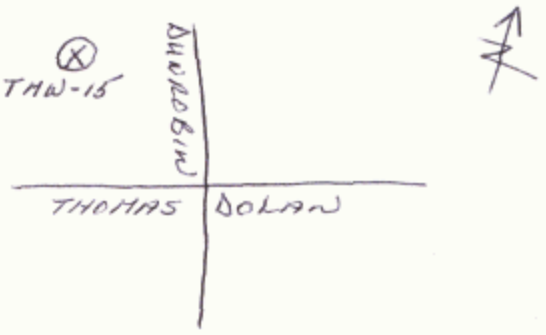
Well production *(l/min / GPM)*

Disinfected? [X] Yes [ ] No

	Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level				
1			1	
2			2	
3			3	
4			4	
5			5	
10			10	
15			15	
20			20	
25			25	
30			30	
40			40	
50			50	
60			60	

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Capital Water Supply Ltd.	1558

Business Address (Street Number/Name)	Municipality
Box 490	Stittsville

Province	Postal Code	Business E-mail Address
Ontario	K2S 1A6	office@capitalwater.ca

Bus. Telephone No. *(inc. area code)*	Name of Well Technician (Last Name, First Name)
613 836 1766	Miller, Stephen

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
0097		20090511

Well owner's information package delivered	Date Package Delivered	Date Work Completed
[ ] Yes [X] No		20090511

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

Well Record

Regulation 903 Ontario Water Resources Act

Measurements recorded in: [X] Metric [ ] Imperial

Page ____ of ____

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	
	City of Ottawa		[ ] Well Constructed by Well Owner

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. *(inc. area code)*
100 Constellation Cres.	Ottawa	Ontario	K2G 1J9	613 580 2424

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
MW07-14	West Carleton-Torbolton	1	3

County/District/Municipality	City/Town/Village	Province	Postal Code
Ottawa Carleton	Dunrobin	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	420133	5030386		

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To

Annular Space

Depth Set at (m/ft) From	Depth Set at (m/ft) To	Type of Sealant Used *(Material and Type)*	Volume Placed *(m³/ft³)*
7.2	0	Bentonite Cement Grout	
		2 inch diam.	

Method of Construction

[ ] Cable Tool [ ] Diamond
[ ] Rotary (Conventional) [ ] Jetting
[ ] Rotary (Reverse) [ ] Driving
[ ] Boring [ ] Digging
[ ] Air percussion
[ ] Other, *specify* ____

Well Use

[ ] Public [ ] Commercial [ ] Not used
[ ] Domestic [ ] Municipal [ ] Dewatering
[ ] Livestock [ ] Test Hole [ ] Monitoring
[ ] Irrigation [ ] Cooling & Air Conditioning
[ ] Industrial
[ ] Other, *specify* ____

Construction Record - Casing

Inside Diameter *(cm/in)*	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness *(cm/in)*	Depth (m/ft) From	Depth (m/ft) To

Construction Record - Screen

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

Status of Well

[ ] Water Supply
[ ] Replacement Well
[ ] Test Hole
[ ] Recharge Well
[ ] Dewatering Well
[ ] Observation and/or Monitoring Hole
[ ] Alteration (Construction)
[ ] Abandoned, Insufficient Supply
[ ] Abandoned, Poor Water Quality
[X] Abandoned, other, *specify* ____
[ ] Other, *specify* ____

Water Details

Water found at Depth (m/ft)	Gas	Kind of Water	Other, specify
	[ ]	[ ] Fresh [ ] Untested	
	[ ]	[ ] Fresh [ ] Untested	
	[ ]	[ ] Fresh [ ] Untested	

Hole Diameter

Depth (m/ft) From	Depth (m/ft) To	Diameter *(cm/in)*

Results of Well Yield Testing

After test of well yield, water was:
[ ] Clear and sand free
[ ] Other, *specify* ____

If pumping discontinued, give reason:

Pump intake set at *(m/ft)*

Pumping rate *(l/min / GPM)*

Duration of pumping ____ hrs + ____ min

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

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

Recommended pump depth *(m/ft)*

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

Well production *(l/min / GPM)*

Disinfected? [X] Yes [ ] No

Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
50		50	
60		60	

Map of Well Location

Please provide a map below following instructions on the back.

Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Capital Water Supply Ltd.	1558

Business Address (Street Number/Name)	Municipality
Box 490	Stittsville

Province	Postal Code	Business E-mail Address
Ontario	K2S 1A6	office@capitalwater.ca

Bus. Telephone No. *(inc. area code)*	Name of Well Technician (Last Name, First Name)
613 836 1766	Miller, Stephen

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
0097		2009 05 11

Well owner's information package delivered	Date Package Delivered	Date Work Completed
[ ] Yes [X] No		2009 05 11

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

Well Record

Regulation 903 Ontario Water Resources Act

Measurements recorded in: [X] Metric [ ] Imperial

Page ____ of ____

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	
	City of Ottawa		[ ] Well Constructed by Well Owner

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. *(inc. area code)*
100 Constellation Cres.	Ottawa	Ontario	K2G 1J9	613 580 2424

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
TMW-16	West Carleton-Torbolton	1	3

County/District/Municipality	City/Town/Village	Province	Postal Code
Ottawa Carleton	Dunrobin	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	420152	5030380		

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used *(Material and Type)*	Volume Placed (m^3/ft^3)
6.40	0	Bentonite Cement Grout	
		1 inch diam.	

Method of Construction

[ ] Cable Tool [ ] Diamond [ ] Rotary (Conventional) [ ] Jetting [ ] Rotary (Reverse) [ ] Driving [ ] Boring [ ] Digging [ ] Air percussion [ ] Other, *specify*

Well Use

[ ] Public [ ] Commercial [ ] Not used [ ] Domestic [ ] Municipal [ ] Dewatering [ ] Livestock [ ] Test Hole [ ] Monitoring [ ] Irrigation [ ] Cooling & Air Conditioning [ ] Industrial [ ] Other, *specify*

Construction Record - Casing

Inside Diameter *(cm/in)*	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness *(cm/in)*	Depth (m/ft) From	Depth (m/ft) To

Construction Record - Screen

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

Status of Well

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

Water Details

Water found at Depth (m/ft)	Kind of Water	Gas	Other, specify
	[ ] Fresh [ ] Untested	[ ]	
	[ ] Fresh [ ] Untested	[ ]	
	[ ] Fresh [ ] Untested	[ ]	

Hole Diameter

Depth (m/ft) From	To	Diameter *(cm/in)*

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Capital Water Supply Ltd.	1558

Business Address (Street Number/Name)	Municipality	Province	Postal Code	Business E-mail Address
Box 490	Stittsville	Ontario	K2S 1A6	office@capitalwater.ca

Bus. Telephone No. *(inc. area code)*	Name of Well Technician (Last Name, First Name)	Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
613 836 1766	Miller, Stephen	0097		20090511

Results of Well Yield Testing

After test of well yield, water was:
[ ] Clear and sand free
[ ] Other, *specify*

If pumping discontinued, give reason:

Pump intake set at *(m/ft)*

Pumping rate *(l/min / GPM)*

Duration of pumping ____ hrs + ____ min

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

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

Recommended pump depth *(m/ft)*

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

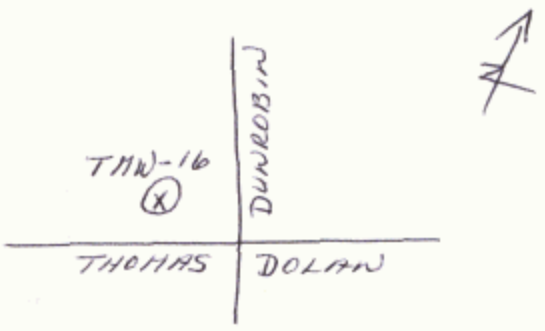
Well production *(l/min / GPM)*

Disinfected? [X] Yes [ ] No

Draw Down Time *(min)*	Draw Down Water Level *(m/ft)*	Recovery Time *(min)*	Recovery Water Level *(m/ft)*
Static Level			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
50		50	
60		60	

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well owner's information package delivered	Date Package Delivered	Date Work Completed
[ ] Yes [X] No		20090511

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

Well Record

Regulation 903 Ontario Water Resources Act

Measurements recorded in: [X] Metric [ ] Imperial

Page ____ of ____

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	
	City of Ottawa		[ ] Well Constructed by Well Owner

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. *(inc. area code)*
100 Constellation Cres.	Ottawa	Ontario	K2G 1J9	613 580 2424

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
MW07-20XD	Kanata	27	3

County/District/Municipality	City/Town/Village	Province	Postal Code
Ottawa Carleton	Dunrobin	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	420180	5030352		

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To

Annular Space

Depth Set at (m/ft) From	Depth Set at (m/ft) To	Type of Sealant Used (Material and Type)	Volume Placed (m^3/ft^3)
11.8	0	Bentonite Cement Grout	
		2 inch diam.	

Method of Construction

[ ] Cable Tool [ ] Diamond
[ ] Rotary (Conventional) [ ] Jetting
[ ] Rotary (Reverse) [ ] Driving
[ ] Boring [ ] Digging
[ ] Air percussion
[ ] Other, *specify*

Well Use

[ ] Public [ ] Commercial [ ] Not used
[ ] Domestic [ ] Municipal [ ] Dewatering
[ ] Livestock [ ] Test Hole [ ] Monitoring
[ ] Irrigation [ ] Cooling & Air Conditioning
[ ] Industrial
[ ] Other, *specify*

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To

Construction Record - Screen

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

Status of Well

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

Water Details

Water found at Depth (m/ft)	Kind of Water	Gas	Other, specify
	[ ] Fresh [ ] Untested	[ ]	
	[ ] Fresh [ ] Untested	[ ]	
	[ ] Fresh [ ] Untested	[ ]	

Hole Diameter

Depth (m/ft) From	Depth (m/ft) To	Diameter (cm/in)

Results of Well Yield Testing

After test of well yield, water was:
[ ] Clear and sand free
[ ] Other, *specify*

If pumping discontinued, give reason:

Pump intake set at *(m/ft)*

Pumping rate *(l/min / GPM)*

Duration of pumping ____ hrs + ____ min

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

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

Recommended pump depth *(m/ft)*

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

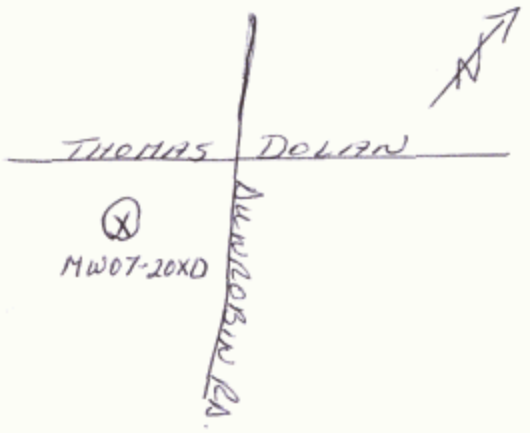
Well production *(l/min / GPM)*

Disinfected? [X] Yes [ ] No

Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
50		50	
60		60	

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Capital Water Supply Ltd.	1558

Business Address (Street Number/Name)	Municipality
Box 490	Stittsville

Province	Postal Code	Business E-mail Address
Ontario	K2S 1A6	office@capitalwater.ca

Bus. Telephone No. *(inc. area code)*	Name of Well Technician (Last Name, First Name)
613 836 1766	Miller, Stephen

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
0097		2009 05 11

Well owner's information package delivered: [ ] Yes [X] No

Date Package Delivered: Y Y Y Y M M D D

Date Work Completed: 2009 Y 05 M 11 D D

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Audit No. Z 095293

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Measurements recorded in: [X] Metric [ ] Imperial

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

Well Record

Regulation 903 Ontario Water Resources Act

Page ____ of ____

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	[ ] Well Constructed by Well Owner
	City of Ottawa		

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. *(inc. area code)*
100 Constellation Cres.	Ottawa	Ontario	K2G 1J9	613 580 2424

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
MW07-20D	Kanata	27	3

County/District/Municipality	City/Town/Village	Province	Postal Code
Ottawa Carleton	Dunrobin	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	420179	5030353		

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To

Annular Space

Depth Set at (m/ft) From	Depth Set at (m/ft) To	Type of Sealant Used (Material and Type)	Volume Placed (m^3/ft^3)
9.7	0	Bentonite Cement Grout	
		2 inch diam.	

Method of Construction

[ ] Cable Tool [ ] Diamond
[ ] Rotary (Conventional) [ ] Jetting
[ ] Rotary (Reverse) [ ] Driving
[ ] Boring [ ] Digging
[ ] Air percussion
[ ] Other, *specify*

Well Use

[ ] Public [ ] Commercial [ ] Not used
[ ] Domestic [ ] Municipal [ ] Dewatering
[ ] Livestock [ ] Test Hole [ ] Monitoring
[ ] Irrigation [ ] Cooling & Air Conditioning
[ ] Industrial
[ ] Other, *specify*

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To

Construction Record - Screen

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

Status of Well

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

Water Details

Water found at Depth (m/ft)	Gas	Kind of Water	Other, specify
	[ ]	[ ] Fresh [ ] Untested	
	[ ]	[ ] Fresh [ ] Untested	
	[ ]	[ ] Fresh [ ] Untested	

Hole Diameter

Depth (m/ft) From	Depth (m/ft) To	Diameter (cm/in)

Results of Well Yield Testing

After test of well yield, water was:
[ ] Clear and sand free
[ ] Other, *specify*

If pumping discontinued, give reason:

Pump intake set at *(m/ft)*

Pumping rate *(l/min / GPM)*

Duration of pumping ____ hrs + ____ min

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

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

Recommended pump depth *(m/ft)*

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

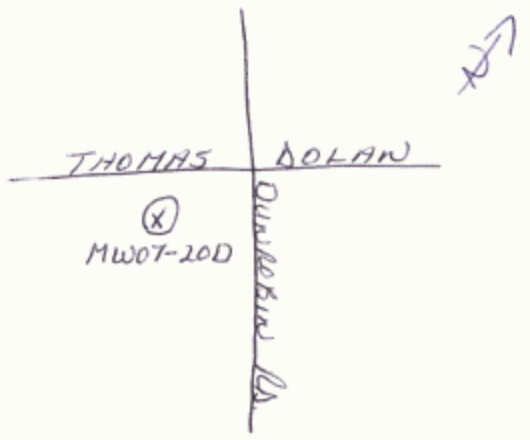
Well production *(l/min / GPM)*

Disinfected? [X] Yes [ ] No

Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
50		50	
60		60	

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Capital Water Supply Ltd.	1558

Business Address (Street Number/Name)	Municipality
Box 490	Stittsville

Province	Postal Code	Business E-mail Address
Ontario	K2S 1A6	office@capitalwater.ca

Bus. Telephone No. *(inc. area code)*	Name of Well Technician (Last Name, First Name)
613 836 1766	Miller, Stephen

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
0097		2009051 1

Well owner's information package delivered	Date Package Delivered	Date Work Completed
[ ] Yes [X] No		2009051 1

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Audit No. Z 095292

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Measurements recorded in: [X] Metric [ ] Imperial

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

Well Record

Regulation 903 Ontario Water Resources Act

Page ____ of ____

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	
	City of Ottawa		[ ] Well Constructed by Well Owner

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. *(inc. area code)*
100 Constellation Cres.	Ottawa	Ontario	K2G 1J9	613 580 2424

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
TMW-12	Kanata	27	4

County/District/Municipality	City/Town/Village	Province	Postal Code
Ottawa Carleton	Dunrobin	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	420179	5030322		

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To

Annular Space

Depth Set at (m/ft) From	Depth Set at (m/ft) To	Type of Sealant Used (Material and Type)	Volume Placed (m^3/ft^3)
6.5	0	Cement Bentonite Grout	
		1 inch diam.	

Method of Construction

[ ] Cable Tool [ ] Diamond
[ ] Rotary (Conventional) [ ] Jetting
[ ] Rotary (Reverse) [ ] Driving
[ ] Boring [ ] Digging
[ ] Air percussion
[ ] Other, *specify*

Well Use

[ ] Public [ ] Commercial [ ] Not used
[ ] Domestic [ ] Municipal [ ] Dewatering
[ ] Livestock [ ] Test Hole [ ] Monitoring
[ ] Irrigation [ ] Cooling & Air Conditioning
[ ] Industrial
[ ] Other, *specify*

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To

Construction Record - Screen

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

Status of Well

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

Water Details

Water found at Depth (m/ft)	Gas	Kind of Water	Other, specify
	[ ]	[ ] Fresh [ ] Untested	
	[ ]	[ ] Fresh [ ] Untested	
	[ ]	[ ] Fresh [ ] Untested	

Hole Diameter

Depth (m/ft) From	Depth (m/ft) To	Diameter (cm/in)

Results of Well Yield Testing

After test of well yield, water was:
[ ] Clear and sand free
[ ] Other, *specify*

If pumping discontinued, give reason:

Pump intake set at *(m/ft)*

Pumping rate *(l/min / GPM)*

Duration of pumping ____ hrs + ____ min

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

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

Recommended pump depth *(m/ft)*

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

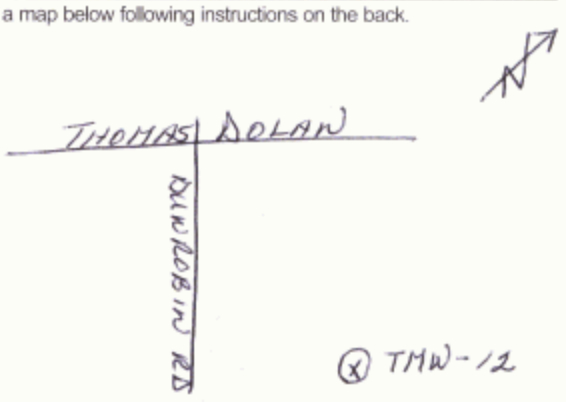
Well production *(l/min / GPM)*

Disinfected? [X] Yes [ ] No

	Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level				
1			1	
2			2	
3			3	
4			4	
5			5	
10			10	
15			15	
20			20	
25			25	
30			30	
40			40	
50			50	
60			60	

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Capital Water Supply Ltd.	1558

Business Address (Street Number/Name)	Municipality
Box 490	Stittsville

Province	Postal Code	Business E-mail Address
Ontario	K2S 1A6	office@capitalwater.ca

Bus. Telephone No. *(inc. area code)*	Name of Well Technician (Last Name, First Name)
613 836 1766	Miller, Stephen

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
0097		2009051 1

Well owner's information package delivered: [ ] Yes [X] No

Date Package Delivered: Y Y Y Y M M D D

Date Work Completed: 2009051 1

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Audit No. Z095291

Received JUN 23 2009

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Ontario — Ministry of the Environment

Measurements recorded in: [X] Metric [ ] Imperial

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

Well Record

Regulation 903 Ontario Water Resources Act

Page ____ of ____

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	
	City of Ottawa		[ ] Well Constructed by Well Owner

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. *(inc. area code)*
100 Constellation Cres.	Ottawa	Ontario	K2G 1J9	613 580 2424

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
MW5-P2	Kanata	27	4

County/District/Municipality	City/Town/Village	Province	Postal Code
Ottawa Carleton	Dunrobin	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	420178	5030350		

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m^3/ft^3)
6.8	0	Bentonite Cement Grout	
		2 inch diam.	

Method of Construction

[ ] Cable Tool [ ] Diamond
[ ] Rotary (Conventional) [ ] Jetting
[ ] Rotary (Reverse) [ ] Driving
[ ] Boring [ ] Digging
[ ] Air percussion
[ ] Other, *specify*

Well Use

[ ] Public [ ] Commercial [ ] Not used
[ ] Domestic [ ] Municipal [ ] Dewatering
[ ] Livestock [ ] Test Hole [ ] Monitoring
[ ] Irrigation [ ] Cooling & Air Conditioning
[ ] Industrial
[ ] Other, *specify*

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	To

Construction Record - Screen

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

Status of Well

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

Water Details

Water found at Depth (m/ft)	Gas	Kind of Water	Fresh	Untested	Other, specify
	[ ]		[ ]	[ ]	
	[ ]		[ ]	[ ]	
	[ ]		[ ]	[ ]	

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)

Results of Well Yield Testing

After test of well yield, water was:
[ ] Clear and sand free
[ ] Other, *specify*

If pumping discontinued, give reason:

Pump intake set at *(m/ft)*

Pumping rate *(l/min / GPM)*

Duration of pumping ____ hrs + ____ min

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

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

Recommended pump depth *(m/ft)*

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

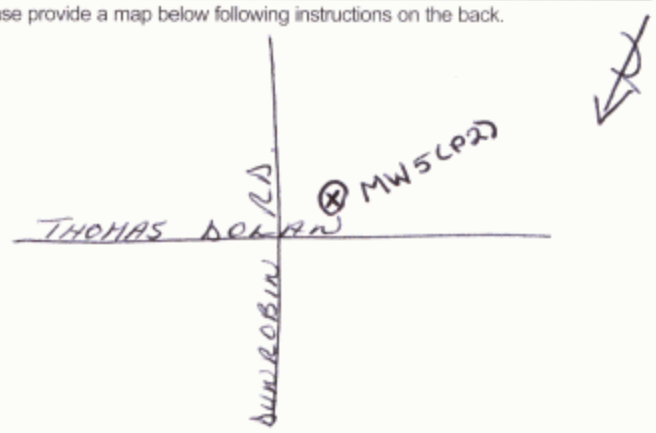
Well production *(l/min / GPM)*

Disinfected? [X] Yes [ ] No

	Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level				
1			1	
2			2	
3			3	
4			4	
5			5	
10			10	
15			15	
20			20	
25			25	
30			30	
40			40	
50			50	
60			60	

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Capital Water Supply Ltd.	1558

Business Address (Street Number/Name)	Municipality
Box 490	Stittsville

Province	Postal Code	Business E-mail Address
Ontario	K2S 1A6	office@capitalwater.ca

Bus. Telephone No. *(inc. area code)*	Name of Well Technician (Last Name, First Name)
613 836 1766	Miller, Stephen

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
0097		20090511

Well owner's information package delivered: [ ] Yes [X] No

Date Package Delivered: Y Y Y Y M M D D

Date Work Completed: 20090511

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Audit No. Z095290

Received JUN 23 2009

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Ontario — Ministry of the Environment

Measurements recorded in: [X] Metric [ ] Imperial

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

Well Record

Regulation 903 Ontario Water Resources Act

Page ____ of ____

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	
	City of Ottawa		[ ] Well Constructed by Well Owner

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. *(inc. area code)*
100 Constellation Cres.	Ottawa	Ontario	K2G 1J9	613 580 2424

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
MW03-2	Kanata	27	4

County/District/Municipality	City/Town/Village	Province	Postal Code
Ottawa Carleton	Dunrobin	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	420163	5030339		

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m^3/ft^3)
6.2	0	Cement Bentonite Grout	
		2 inch diam.	

Method of Construction

[ ] Cable Tool [ ] Diamond
[ ] Rotary (Conventional) [ ] Jetting
[ ] Rotary (Reverse) [ ] Driving
[ ] Boring [ ] Digging
[ ] Air percussion
[ ] Other, *specify*

Well Use

[ ] Public [ ] Commercial [ ] Not used
[ ] Domestic [ ] Municipal [ ] Dewatering
[ ] Livestock [ ] Test Hole [ ] Monitoring
[ ] Irrigation [ ] Cooling & Air Conditioning
[ ] Industrial
[ ] Other, *specify*

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To

Construction Record - Screen

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

Status of Well

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

Water Details

Water found at Depth (m/ft)	Kind of Water: [ ] Fresh [ ] Untested [ ] Gas [ ] Other, specify
Water found at Depth (m/ft)	Kind of Water: [ ] Fresh [ ] Untested [ ] Gas [ ] Other, specify
Water found at Depth (m/ft)	Kind of Water: [ ] Fresh [ ] Untested [ ] Gas [ ] Other, specify

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)

Results of Well Yield Testing

After test of well yield, water was:
[ ] Clear and sand free
[ ] Other, *specify*

If pumping discontinued, give reason:

Pump intake set at *(m/ft)*

Pumping rate *(l/min / GPM)*

Duration of pumping ____ hrs + ____ min

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

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

Recommended pump depth *(m/ft)*

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

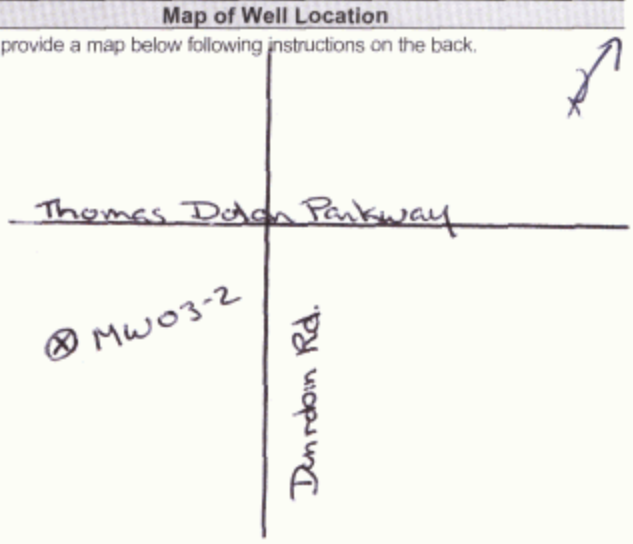
Well production *(l/min / GPM)*

Disinfected? [X] Yes [ ] No

	Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level				
1			1	
2			2	
3			3	
4			4	
5			5	
10			10	
15			15	
20			20	
25			25	
30			30	
40			40	
50			50	
60			60	

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Capital Water Supply Ltd.	1558

Business Address (Street Number/Name)	Municipality
Box 490	Stittsville

Province	Postal Code	Business E-mail Address
Ontario	K2S 1A6	office@capitalwater.ca

Bus. Telephone No. *(inc. area code)*	Name of Well Technician (Last Name, First Name)
613 836 1766	Miller, Stephen

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
0097		2009 05 11

Well owner's information package delivered: [ ] Yes [X] No

Date Package Delivered: Y Y Y Y M M D D

Date Work Completed: 2009 05 11 (Y Y Y Y M M D D)

Ministry Use Only

Audit No. Z095289

Received JUN 23 2009

0506E (12/2007)

Ministry's Copy

Ontario — Ministry of the Environment

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

Well Record

Regulation 903 Ontario Water Resources Act

Measurements recorded in: ☒ Metric ☐ Imperial

Page 1 of 1

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	☐ Well Constructed by Well Owner
	CITY OF OTTAWA c/o QUANTUM MURRAY		

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. (inc. area code)
110 LAURIER AVE WEST	OTTAWA	ON	K1P1J1	(613) 580-2400

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
2600 DUNROBIN ROAD	TORBOLTON	1	4

County/District/Municipality	City/Town/Village	Province	Postal Code
OTTAWA-CARLETON	DUNROBIN	Ontario	K0A1T0

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 8 3		see below			

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

General Colour	Most Common Material	~~Other Materials~~ SWL	(GPS) General Description	Depth (m/ft) From	Depth (m/ft) To
(WELL #)		(SWL)			(DEPTH)
MW07-17S		4.64m	18A20 12E/5030403N	0.00	12.32
MW07-17		4.64m	18A20 12E/5030403N	0.00	6.21
MW07-11		4.25m	18A20 12E/5034109N	0.00	6.51
MW07-22		4.87m	18A20 12E/5034109N	0.00	11.95
MW07-21XD		5.27m	18A20 12E/5033794N	0.00	11.71
MW-1		4.62	18A20 12E/5033404N	0.00	8.11

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
0.00	above	Bentonite grout.	0.32

Method of Construction

☐ Cable Tool ☐ Diamond
☐ Rotary (Conventional) ☐ Jetting
☐ Rotary (Reverse) ☐ Driving
☒ Boring ☐ Digging
☐ Air percussion
☐ Other, *specify*

Well Use

☐ Public ☐ Commercial ☒ Not used
☐ Domestic ☐ Municipal ☐ Dewatering
☐ Livestock ☐ Test Hole ☒ Monitoring
☐ Irrigation ☐ Cooling & Air Conditioning
☐ Industrial
☐ Other, *specify*

☒ Construction Record - Casing — N/A

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	To

☒ Construction Record - Screen — N/A

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

Status of Well

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

☒ Water Details — N/A

Water found at Depth (m/ft)	Kind of Water: ☐ Fresh ☐ Untested ☐ Gas ☐ Other, specify
Water found at Depth (m/ft)	Kind of Water: ☐ Fresh ☐ Untested ☐ Gas ☐ Other, specify
Water found at Depth (m/ft)	Kind of Water: ☐ Fresh ☐ Untested ☐ Gas ☐ Other, specify

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)

Results of Well Yield Testing

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

If pumping discontinued, give reason: N/A

Pump intake set at (m/ft): N/A

Pumping rate (l/min / GPM): N/A

Duration of pumping: ___ hrs + ___ min N/A

Final water level end of pumping (m/ft): N/A

If flowing give rate (l/min / GPM): N/A

Recommended pump depth (m/ft): N/A

Recommended pump rate (l/min / GPM): N/A

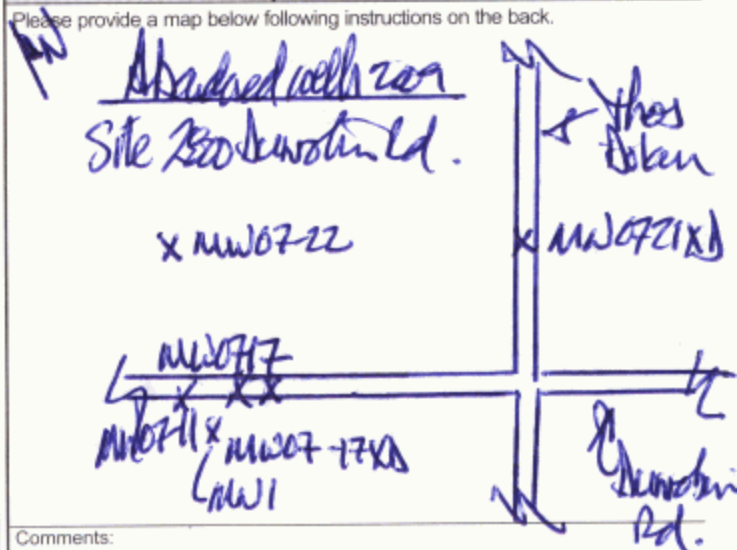
Well production (l/min / GPM): N/A

Disinfected? ☒ Yes ☐ No

Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
50		50	
60		60	

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
STANTON DRILLING INC	4875

Business Address (Street Number/Name)	Municipality	Province	Postal Code	Business E-mail Address
BOX 29, 157 FIVE ARCHES DR.	PAKENHAM	ON	K0A 2X0	Stantondrill@xplornet.ca

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)	Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
(613) 624-5622	STANTON, PETER	0086		2009 05 22

Well owner's information package delivered	Date Package Delivered	Date Work Completed
☐ Yes ☒ No	N/A	2009 04 24

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Audit No. Z 91935

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Ontario Ministry of the Environment

Measurements recorded in: [X] Metric [ ] Imperial

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

Well Record

Regulation 903 Ontario Water Resources Act

Page ____ of ____

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	
	City of Ottawa		[ ] Well Constructed by Well Owner

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. *(inc. area code)*
100 Constellation Cres.	Ottawa	Ontario	K2G 1J9	613 580 2424

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
BH 07-2	West Carleton	1	3

County/District/Municipality	City/Town/Village	Province	Postal Code
Ottawa Carleton	Dunrobin	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 8 3	1 8	435238	5004402		

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used *(Material and Type)*	Volume Placed (m^3/ft^3)
6.40	0	Bentonite Cement Grout 2" hole	

Method of Construction

[ ] Cable Tool [ ] Diamond
[ ] Rotary (Conventional) [ ] Jetting
[ ] Rotary (Reverse) [ ] Driving
[ ] Boring [ ] Digging
[ ] Air percussion
[ ] Other, *specify* _____

Well Use

[ ] Public [ ] Commercial [ ] Not used
[ ] Domestic [ ] Municipal [ ] Dewatering
[ ] Livestock [ ] Test Hole [ ] Monitoring
[ ] Irrigation [ ] Cooling & Air Conditioning
[ ] Industrial
[ ] Other, *specify* _____

Construction Record - Casing

Inside Diameter *(cm/in)*	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness *(cm/in)*	Depth (m/ft) From	Depth (m/ft) To

Construction Record - Screen

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

Status of Well

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

Water Details

Water found at Depth (m/ft)	Kind of Water: [ ] Fresh [ ] Untested [ ] Gas [ ] Other, *specify*

Hole Diameter

Depth (m/ft) From	Depth (m/ft) To	Diameter *(cm/in)*

Results of Well Yield Testing

After test of well yield, water was:
[ ] Clear and sand free
[ ] Other, *specify* _____

If pumping discontinued, give reason:

Pump intake set at *(m/ft)*

Pumping rate *(l/min / GPM)*

Duration of pumping ____ hrs + ____ min

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

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

Recommended pump depth *(m/ft)*

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

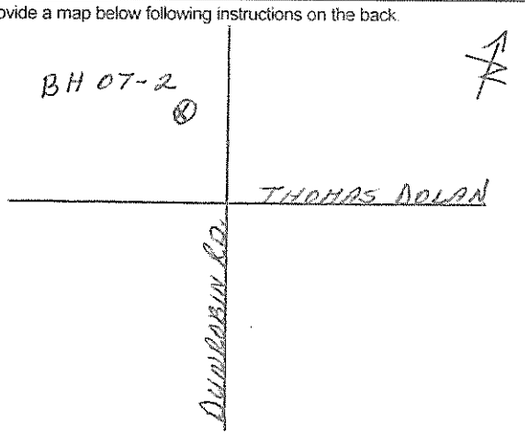
Well production *(l/min / GPM)*

Disinfected? [X] Yes [ ] No

	Draw Down Time *(min)*	Draw Down Water Level *(m/ft)*	Recovery Time *(min)*	Recovery Water Level *(m/ft)*
Static Level				
1			1	
2			2	
3			3	
4			4	
5			5	
10			10	
15			15	
20			20	
25			25	
30			30	
40			40	
50			50	
60			60	

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Capital Water Supply Ltd.	1558

Business Address (Street Number/Name)	Municipality
Box 490	Stittsville

Province	Postal Code	Business E-mail Address
Ontario	K2S 1A6	office@capitalwater.ca

Bus. Telephone No. *(inc. area code)*	Name of Well Technician (Last Name, First Name)
613 836 1766	Miller, Stephen

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
0097		20090625

Well owner's information package delivered	Date Package Delivered	Ministry Use Only
[ ] Yes [X] No	Date Work Completed 20090623	Audit No. Z095258 AUG 19 2009 Received

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Ontario — Ministry of the Environment

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

Well Record

Regulation 903 Ontario Water Resources Act

Page ____ of ____

Measurements recorded in: [X] Metric [ ] Imperial

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	[ ] Well Constructed by Well Owner
	City of Ottawa		

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. *(inc. area code)*
100 Constellation Cres.	Ottawa	Ontario	K2G 1J9	613 580 2424

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
BH 07-3	Kanata	27	4

County/District/Municipality	City/Town/Village	Province	Postal Code
Ottawa Carleton	Dunrobin	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	420194	5030351		

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To

Annular Space

Depth Set at (m/ft) From	Depth Set at (m/ft) To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
6.70	0	Bentonite Cement Grout 2" hole	

Method of Construction

[ ] Cable Tool [ ] Diamond
[ ] Rotary (Conventional) [ ] Jetting
[ ] Rotary (Reverse) [ ] Driving
[ ] Boring [ ] Digging
[ ] Air percussion
[ ] Other, *specify* ____

Well Use

[ ] Public [ ] Commercial [ ] Not used
[ ] Domestic [ ] Municipal [ ] Dewatering
[ ] Livestock [ ] Test Hole [ ] Monitoring
[ ] Irrigation [ ] Cooling & Air Conditioning
[ ] Industrial
[ ] Other, *specify* ____

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To

Construction Record - Screen

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

Status of Well

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

Water Details

Water found at Depth (m/ft)	Kind of Water	Hole Diameter Depth (m/ft) From	Hole Diameter Depth (m/ft) To	Hole Diameter (cm/in)
[ ] Gas	[ ] Fresh [ ] Untested [ ] Other, *specify*			
[ ] Gas	[ ] Fresh [ ] Untested [ ] Other, *specify*			
[ ] Gas	[ ] Fresh [ ] Untested [ ] Other, *specify*			

Results of Well Yield Testing

After test of well yield, water was:
[ ] Clear and sand free
[ ] Other, *specify* ____

If pumping discontinued, give reason:

Pump intake set at (m/ft)

Pumping rate (l/min / GPM)

Duration of pumping ____ hrs + ____ min

Final water level end of pumping (m/ft)

If flowing give rate (l/min / GPM)

Recommended pump depth (m/ft)

Recommended pump rate (l/min / GPM)

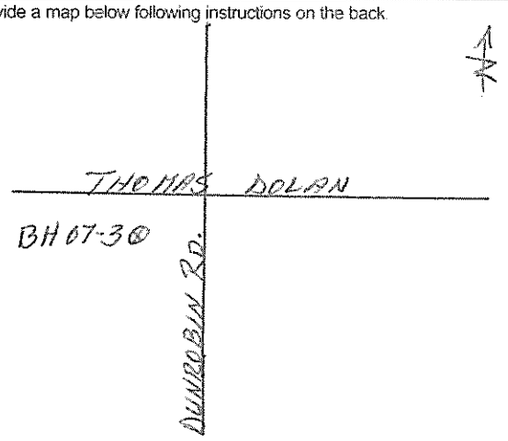
Well production (l/min / GPM)

Disinfected? [X] Yes [ ] No

	Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level				
1			1	
2			2	
3			3	
4			4	
5			5	
10			10	
15			15	
20			20	
25			25	
30			30	
40			40	
50			50	
60			60	

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Capital Water Supply Ltd.	1558

Business Address (Street Number/Name)	Municipality
Box 490	Stittsville

Province	Postal Code	Business E-mail Address
Ontario	K2S 1A6	office@capitalwater.ca

Bus. Telephone No. *(inc. area code)*	Name of Well Technician (Last Name, First Name)
613 836 1766	Miller, Stephen

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
0097		2009 06 25

Well owner's information package delivered	Date Package Delivered	Date Work Completed	Ministry Use Only
[ ] Yes [X] No		2009 06 23	Audit No. Z095257 Received AUG 10 2009

0506E (12/2007) — Ministry's Copy

Ontario — Ministry of the Environment

Measurements recorded in: [X] Metric [ ] Imperial

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

Well Record

Regulation 903 Ontario Water Resources Act

Page _____ of _____

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	[ ] Well Constructed by Well Owner
	City of Ottawa		

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. *(inc. area code)*
100 Constellation Cres.	Ottawa	Ontario	K2G 1J9	613 580 2424

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
MW 03-4	Kanata	27	4

County/District/Municipality	City/Town/Village	Province	Postal Code
Ottawa Carleton	Dunrobin	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	420210	5030324		

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To

Annular Space

Depth Set at (m/ft) From	Depth Set at (m/ft) To	Type of Sealant Used (Material and Type)	Volume Placed (m^3/ft^3)
7.01	0	Bentonite Cement Grout 2" hole	

Method of Construction

[ ] Cable Tool [ ] Diamond
[ ] Rotary (Conventional) [ ] Jetting
[ ] Rotary (Reverse) [ ] Driving
[ ] Boring [ ] Digging
[ ] Air percussion
[ ] Other, *specify* _____

Well Use

[ ] Public [ ] Commercial [ ] Not used
[ ] Domestic [ ] Municipal [ ] Dewatering
[ ] Livestock [ ] Test Hole [ ] Monitoring
[ ] Irrigation [ ] Cooling & Air Conditioning
[ ] Industrial
[ ] Other, *specify* _____

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To

Construction Record - Screen

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

Status of Well

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

Water Details

Water found at Depth (m/ft)	Kind of Water	
	[ ] Gas	[ ] Fresh [ ] Untested [ ] Other, *specify*
	[ ] Gas	[ ] Fresh [ ] Untested [ ] Other, *specify*
	[ ] Gas	[ ] Fresh [ ] Untested [ ] Other, *specify*

Hole Diameter

Depth (m/ft) From	Depth (m/ft) To	Diameter (cm/in)

Results of Well Yield Testing

After test of well yield, water was:
[ ] Clear and sand free
[ ] Other, *specify*

If pumping discontinued, give reason:

Pump intake set at (m/ft)

Pumping rate (l/min / GPM)

Duration of pumping _____ hrs + _____ min

Final water level end of pumping (m/ft)

If flowing give rate (l/min / GPM)

Recommended pump depth (m/ft)

Recommended pump rate (l/min / GPM)

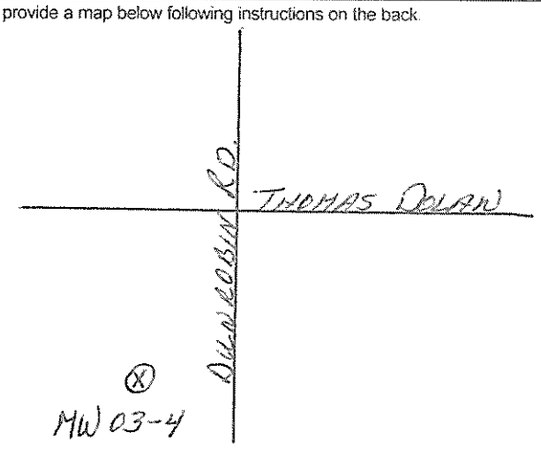
Well production (l/min / GPM)

Disinfected? [X] Yes [ ] No

	Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level				
1			1	
2			2	
3			3	
4			4	
5			5	
10			10	
15			15	
20			20	
25			25	
30			30	
40			40	
50			50	
60			60	

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Capital Water Supply Ltd.	1558

Business Address (Street Number/Name)	Municipality
Box 490	Stittsville

Province	Postal Code	Business E-mail Address
Ontario	K2S 1A6	office@capitalwater.ca

Bus. Telephone No. *(inc. area code)*	Name of Well Technician (Last Name, First Name)
613 836 1766	Miller, Stephen

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
0097		2009/06/25

Well owner's information package delivered	Date Package Delivered	Date Work Completed
[ ] Yes [X] No		2009/06/23

Ministry Use Only

Audit No. Z095256

Received AUG 10 2009

506E (12/2007) — Ministry's Copy

Ontario Ministry of the Environment

Well Tag No. (Pl. A 062775
A-062775

Well Record

Regulation 903 Ontario Water Resources Act

Page 1 of 1

Well Owner's Information

First Name	Last Name	E-mail Address	
LGF	CONTRACTING		☐ Well Constructed by Well Owner

Mailing Address (Street Number/Name, RR)	Municipality	Province	Postal Code	Telephone No. (inc. area code)
44 PATTERSON	CARLETON PLACE	ON	K7C4P3	(613) 913-8176

Part A Construction and/or Major Alteration of a Well

Address of Well Location (Street Number/Name, RR)	Township	Lot	Concession
105 GALWAY ST.	TORBOLTON	1	3

County/District/Municipality	City/Town/Village	Province	Postal Code
OTTAWA-CARLETON	DUNROBIN	Ontario	K0A 1T0

UTM Coordinates NAD 83 | Zone | Easting | Northing | GPS Unit Make | Model | Mode of Operation: ☐ Undifferentiated ☒ Averaged ☐ Differentiated, specify

Zone	Easting	Northing	GPS Unit Make	Model
18	449748	5030596	MAGELLAN	Sportrak

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
GREY	CLAY			0.20	7.02
GREY-BROWN	SAND.			7.02	12.20

Annular Space/Abandonment Sealing Record

Depth Set at (Metres) From	To	Type of Sealant Used (Material and Type)	Volume Placed (Cubic Metres)
0.00	7.02	Holeplug grout	0.17

Method of Construction

☒ Cable Tool ☐ Diamond ☐ Rotary (Conventional) ☐ Jetting ☐ Rotary (Reverse) ☐ Driving ☐ Rotary (Air) ☐ Digging ☐ Air percussion ☐ Boring ☐ Other, specify

Water Use

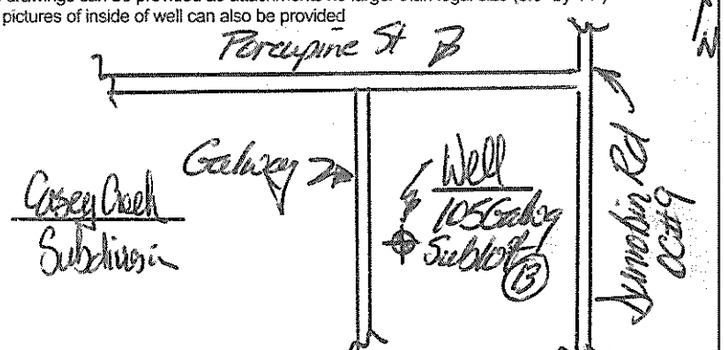
☐ Public ☐ Commercial ☐ Not used ☒ Domestic ☐ Municipal ☐ Dewatering ☐ Livestock ☐ Test Hole ☐ Monitoring ☐ Irrigation ☐ Cooling & Air Conditioning ☐ Industrial ☐ Other, specify

Status of Well

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

Location of Well

Please provide a map below showing:
- all property boundaries, and measurements sufficient to locate the well in relation to fixed points,
- an arrow indicating the North direction
- detailed drawings can be provided as attachments no larger than legal size (8.5" by 14")
- vidigital pictures of inside of well can also be provided



Date Well Completed (yyyy/mm/dd)	Was the well owner's information package delivered?	Date the Well Record and Package Delivered to Well Owner (yyyy/mm/dd)
2007/12/10	☒ Yes ☐ No	2007/12/10.

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
STANDON DRILLING INC	4875

Business Address (Street No./Name, number, RR)	Municipality
6624 CONC. SOUTH, RR#2	PAKENHAM

Province	Postal Code	Business E-mail Address
ON	K0A 2T0	standon-drilling@sympatico.ca

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)
(613) 624-5622	STANDON, PETER

Well Technician's Licence No.	Signature of Technician	Date Submitted (yyyy/mm/dd)
0086		2007/12/18.

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: N/A.

Pumping test method: Pump

Pump intake set at (Metres): 9.0

Pumping rate (Litres/min): 45

Duration of pumping: 1 hrs + 0 min

Final water level end of pumping (Metres)

Recommended pump type: ☐ Shallow ☒ Deep

Recommended pump depth: 9.0 Metres

Recommended pump rate (Litres/min): 45.

If flowing give rate (Litres/min): N/A.

	Draw Down Time (Min)	Draw Down Water Level (Metres)	Recovery Time (Min)	Recovery Water Level (Metres)
Static Level		4.53	Static Level	
1		4.77	1	4.54
2		4.77	2	4.53
3		4.77	3	"
4		4.77	4	"
5		4.77	5	"
10		4.775	10	"
15		4.78	15	"
20		4.78	20	"
25		4.78	25	"
30		4.78	30	"
40		4.8	40	"
50		4.78	50	"
60		4.8.	60	"

Water Details

Water found at Depth	Kind of Water
10 Metres ☐ Gas	NOT TESTED ☐ Fresh ☐ Salty ☐ Sulphur ☐ Minerals
Metres ☐ Gas	☐ Fresh ☐ Salty ☐ Sulphur ☐ Minerals
Metres ☐ Gas	☐ Fresh ☐ Salty ☐ Sulphur ☐ Minerals

Casing Used	Screen Used
☐ Galvanized	☐ Galvanized
☒ Steel	☒ Steel (4"BX4')
☐ Fibreglass	☐ Fibreglass
☐ Plastic	☐ Plastic
☐ Concrete	☐ Concrete

No Casing and Screen Used

☒ Open Hole 10.68 - 11.90

Disinfected? ☒ Yes ☐ No

Casing and Well Details

Diameter of the Hole (Centimetres)

Depth of the Hole (Metres)

Wall Thickness (Metres)

Inside Diameter of the Casing (Metres)

Depth of the Casing (Metres)

Ministry Use Only

Audit No.	Well Contractor No.
Z 69594	
Date Received (yyyy/mm/dd) MAR 13 2008	Date of Inspection (yyyy/mm/dd)
Remarks	

Ontario — Ministry of the Environment

Measurements recorded in: ☑ Metric ☐ Imperial

Well Tag A 094416 (low)

A094416

Well Record

Regulation 903 Ontario Water Resources Act

[redacted]

Address of Well Location (Street Number/Name)	Township	Lot	Concession
2800 Dunrobin Road	Torbolton	pt 1	4

County/District/Municipality	City/Town/Village	Province	Postal Code
Ottawa Carleton	Dunrobin	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	420179	5030386		

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
Drown	sand		sand	0	1.72
grey	silt		silt and clay	1.72	2.92
brown	sand		fine to medium sand	2.92	7.62
		NW 10-4 was tagged			

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
0	4.00	hole plug	5½ bags
4.0	7.62	filter sand	3 bags

Method of Construction

☐ Cable Tool ☐ Diamond ☐ Rotary (Conventional) ☐ Jetting ☐ Rotary (Reverse) ☐ Driving ☐ Boring ☐ Digging ☐ Air percussion ☐ Other, specify hollowstem auger

Well Use

☐ Public ☐ Commercial ☐ Not used ☐ Domestic ☐ Municipal ☐ Dewatering ☑ Test Hole ☐ Monitoring ☐ Livestock ☐ Irrigation ☐ Cooling & Air Conditioning ☐ Industrial ☐ Other, specify

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	To
5.2	plastic	0.4	0	4.55

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	To
6.0	plastic	10	4.55	7.62

Status of Well

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

Water Details

Water found at Depth (m/ft)	Gas	Kind of Water	Fresh	Untested	Other, specify
5.57	☐		☐	☐	
	☐		☐	☐	
	☐		☐	☐	

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)
0	7.62	20.3

Results of Well Yield Testing

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

If pumping discontinued, give reason:

Pump intake set at (m/ft)

Pumping rate (l/min / GPM)

Duration of pumping ____ hrs + ____ min

Final water level end of pumping (m/ft)

If flowing give rate (l/min / GPM)

Recommended pump depth (m/ft)

Recommended pump rate (l/min / GPM)

Well production (l/min / GPM)

Disinfected? ☐ Yes ☐ No

	Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level				
1			1	
2			2	
3			3	
4			4	
5			5	
10			10	
15			15	
20			20	
25			25	
30			30	
40			40	
50			50	
60			60	

Map of Well Location

Please provide a map below following instructions on the back.

Site plan and area map are enclosed

Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
OGS INC	6964

Business Address (Street Number/Name)	Municipality	Province	Postal Code	Business E-mail Address
5518 Appleton Side Road	Almonte	Ont	K0A 1A0	ogsmc@bellnet.ca

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)	Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
6132567666	Ohlmann, Brian	2593	Brian Ohlmann	2010/11/10

Well owner's information package delivered ☐ Yes ☐ No

Date Package Delivered: YYYY MM DD

Date Work Completed: 2010/08/12

Ministry Use Only

Audit No. Z 107024

Received NOV 10 2010

Ontario Ministry of the Environment

Well Tag A 094416 (Tag No.)

A094416

Cluster Well Information for Cluster Well Construction

Regulation 903 Ontario Water Resources Act

[redacted]

Address of Well Location (Street Number/Name, RR)	Lot	Concession	Township	County/District/Municipality
2800 Dunrobin Road	1	4	Torbolton	Ottawa Carleton

City/Town/Village	Province	Postal Code	GPS Unit Make	Model	Unit Mode of Operation
Dunrobin	Ontario		Magellan		☑ Undifferentiated ☐ Averaged ☐ Differentiated, specify:

Signature of Technician/Contractor	Date (yyyy/mm/dd)

Well # on Sketch	UTM Coordinates Zone	Easting	Northing	Full Depth of Hole (metres)	Hole Diameter (cm)	Method of Construction	Casing Material	Casing Length (metres)	Screen Interval (metres) From	To	Annular Space Sealant Used	Static Water Level (metres)	Abandonment Sealant Used	Comments	Date of Completion (yyyy/mm/dd)
MW 10-1	18	420163	5030409	7.62	20.3	Hollow Stem Auger	plastic	4.55	4.55	7.62		5.47			2010/08/11
MW 10-2	18	420172	5030413	7.62	"	"	"	4.55	4.55	7.62		5.69			2010/08/12
MW 10-3	18	420168	5030400	7.62	"	"	"	4.55	4.55	7.62		5.44			2010/08/12
MW 10-4	18	420179	5030386	7.62	"	"	"	4.55	4.55	7.62		5.57			2010/08/11
MW 10-5	18	420182	5030395	7.62	"	"	"	4.55	4.55	7.62		5.60			2010/08/11
MW 10-6	18	420196	5030403	7.62	"	"	"	4.55	4.55	7.62		5.51			2010/08/12

Well Contractor and Well Technician Information

Business Name of Well Contractor	Business Address (Street Number/Name, RR)	Municipality	Province
OGS INC	5518 Appleton Side Road	Almonte	Ontario

Postal Code	Business Telephone No. (inc. area code)	Well Contractor's Licence No.	Business E-mail Address
K0A 1A0	613 256 7666	6964	ogsinc@bellnet.ca

Name of Well Technician (First Name, Last Name)	Well Technician's Licence No.	Date Submitted (yyyy/mm/dd)	Signature of Technician
Brian Ohlmann	2593	2010/11/16	Brian Ohlmann

Date 1st Well in Cluster Constructed (yyyy/mm/dd)	Date Last Well in Cluster Constructed (yyyy/mm/dd)
2010/08/11	2010/08/12

Ministry Use Only

Date Received (yyyy/mm/dd)	Date Inspected (yyyy/mm/dd)
NOV 18 2010	
Audit No. c07390	Remarks Z107024

Ministry's Copy

Trow Associates Inc.
100 2650 Queensview Drive, Ottawa, Ontario K2B 8H6
Tel (613) 688 1899 Fax (613) 225 7337

CLIENT: CITY OF OTTAWA

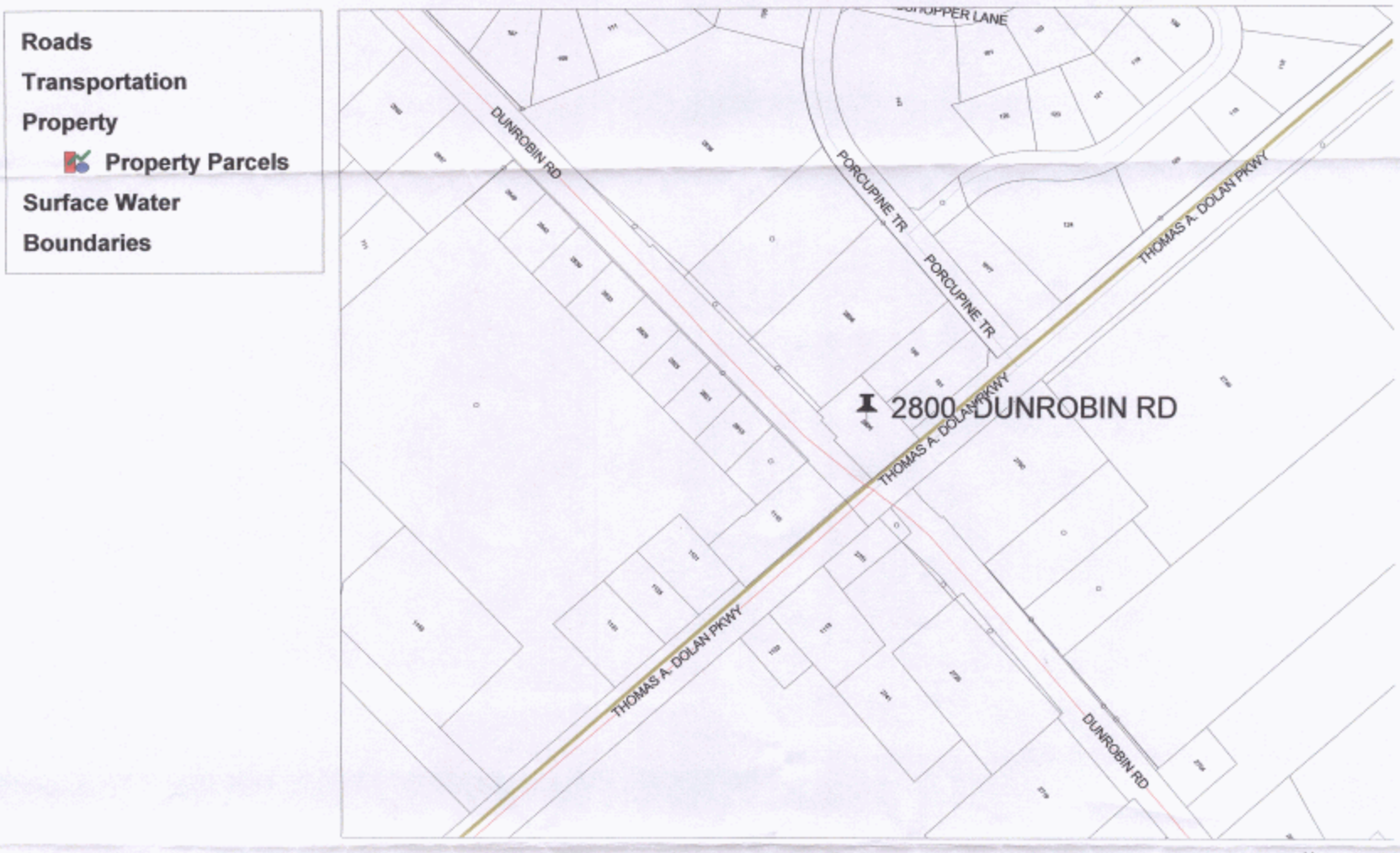
TITLE: MONITORING WELL AND TEST PIT LOCATION PLAN

scale	1:500
date	SEPT. 2010
drawn by	M.B. / M.N.
project no.	OTENO0018293BD
	FIG 2

NOV 1 8 2010

C-6964 Z107024 C07390

Ottawa



SCALE 1 : 4,537

100 0 100 200 300

METERS

NOV 18 2010

C-6964
210704
C07390.

http://apps104.ottawa.ca/ic_rowmaps/maps/local_ottawa_en.mwf

August 16, 2010 10:50 AM

Ontario — Ministry of the Environment

Measurements recorded in: ☐ Metric ☒ Imperial

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

Well Record

Regulation 903 Ontario Water Resources Act

Page _____ of _____

[redacted]

Address of Well Location (Street Number/Name)	Township	Lot	Concession
#120 GRASS HOPPER LANE	WEST CARLETON	PLI	4S

County/District/Municipality	City/Town/Village	Province	Postal Code
OTTAWA-CARLETON	DUNROBIN	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	420388	5030608	PLAN 4M-891	SLL1

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
	6" Drilled well Abandonment			0'	26'

Amend well Owner: CHANTAL PIERCE

New well - Drilled Sept 23/15 - Tag A187042 Audit Z202606

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m^3/ft^3)
26'	4'	3/8" Hole Plug	7 Bags
4'	0'	Backfill	

Method of Construction

☐ Cable Tool ☐ Diamond
☐ Rotary (Conventional) ☐ Jetting
☐ Rotary (Reverse) ☐ Driving
☐ Boring ☐ Digging
☐ Air percussion
☐ Other, *specify* _____

Well Use

☐ Public ☐ Commercial ☐ Not used
☐ Domestic ☐ Municipal ☐ Dewatering
☐ Livestock ☐ Test Hole ☐ Monitoring
☐ Irrigation ☐ Cooling & Air Conditioning
☐ Industrial
☐ Other, *specify* _____

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To

Construction Record - Screen

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

Status of Well

☐ Water Supply
☐ Replacement Well
☐ Test Hole
☐ Recharge Well
☐ Dewatering Well
☐ Observation and/or Monitoring Hole
☐ Alteration (Construction)
☐ Abandoned, Insufficient Supply
☐ Abandoned, Poor Water Quality
☐ Abandoned, other, *specify* NOT TO REG 903
☐ Other, *specify* BACTERIA

Water Details

Water found at Depth (m/ft)	Kind of Water: ☐ Fresh ☐ Untested ☐ Gas ☐ Other, *specify*
Water found at Depth (m/ft)	Kind of Water: ☐ Fresh ☐ Untested ☐ Gas ☐ Other, *specify*
Water found at Depth (m/ft)	Kind of Water: ☐ Fresh ☐ Untested ☐ Gas ☐ Other, *specify*

Hole Diameter

Depth (m/ft) From	Depth (m/ft) To	Diameter (cm/in)

Results of Well Yield Testing

After test of well yield, water was:
☐ Clear and sand free
☐ Other, *specify* _____

If pumping discontinued, give reason:

Pump intake set at *(m/ft)*

Pumping rate *(l/min / GPM)*

Duration of pumping _____ hrs + _____ min

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

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

Recommended pump depth *(m/ft)*

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

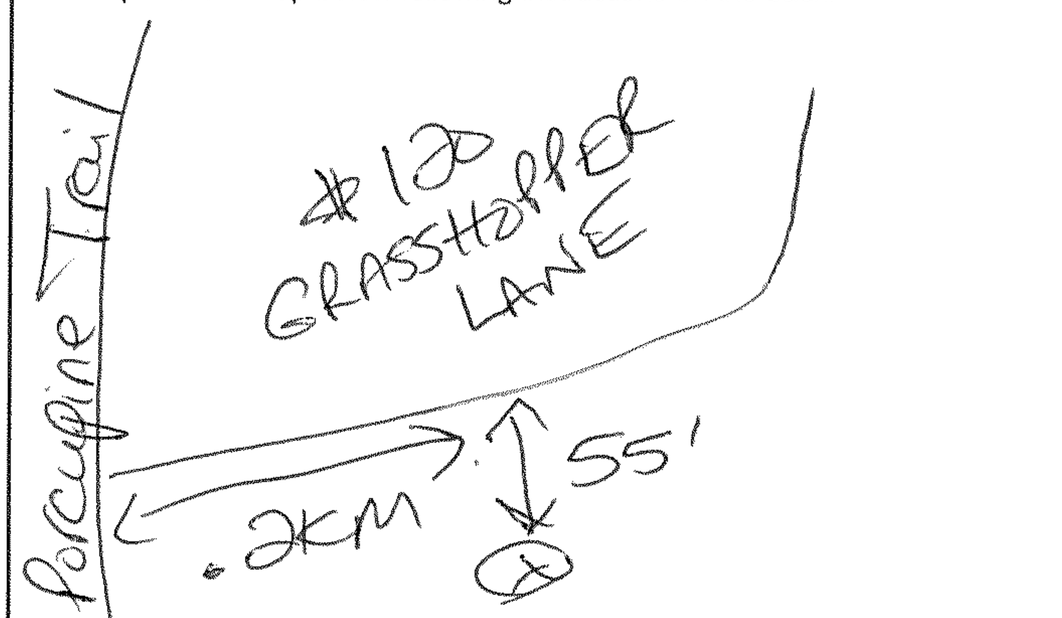
Well production *(l/min / GPM)*

Disinfected? ☒ Yes ☐ No

Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
50		50	
60		60	

Map of Well Location

Please provide a map below following instructions on the back.



Comments: well #1

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
AIR Rock DRILLING Co LTD	1119

Business Address (Street Number/Name)	Municipality
RR#1	RICHMOND

Province	Postal Code	Business E-mail Address
ONT	K0A2Z0	

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)
6138382170	Desaulniers Ken

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
1714		2015/10/30

Well owner's information package delivered	Date Package Delivered	Ministry Use Only
☐ Yes ☒ No	Date Work Completed 2015/10/01	Audit No. Z202590 Received NOV 17 2015

Ministry's Copy

Ontario

Ministry of the Environment

Measurements recorded in: ☐ Metric ☒ Imperial

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

Well Record

Regulation 903 Ontario Water Resources Act

Page _____ of _____

[redacted]

Address of Well Location (Street Number/Name)	Township	Lot	Concession
#120 GRASS HOPPER LANE	WEST CARLETON	PL 1	4 & 8

County/District/Municipality	City/Town/Village	Province	Postal Code
OTTAWA-CARLETON	DUNROBIN	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	420385	5030608	PLAN 4M-891	S/L 11

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
	6" Drilled	Well Abandonment		0'	18'

Amend Well Owner : CHANTAL PIERCE

New well - Drilled Sept 23/15 - Tag A187042 - Audit # 202606

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m^3/ft^3)
18'	4'	3/8 Hole Plug	4 Bags
4'	0'	Backfill	

Method of Construction

☐ Cable Tool ☐ Diamond
☐ Rotary (Conventional) ☐ Jetting
☐ Rotary (Reverse) ☐ Driving
☐ Boring ☐ Digging
☐ Air percussion
☐ Other, *specify* _____

Well Use

☐ Public ☐ Commercial ☐ Not used
☐ Domestic ☐ Municipal ☐ Dewatering
☐ Livestock ☐ Test Hole ☐ Monitoring
☐ Irrigation ☐ Cooling & Air Conditioning
☐ Industrial
☐ Other, *specify* _____

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To
			NOT TO Reg 903	
			Bacteria	

Status of Well

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

Results of Well Yield Testing

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

If pumping discontinued, give reason:

Pump intake set at *(m/ft)*

Pumping rate *(l/min / GPM)*

Duration of pumping _____ hrs + _____ min

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

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

Recommended pump depth *(m/ft)*

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

Well production *(l/min / GPM)*

Disinfected? ☒ Yes ☐ No

Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
50		50	
60		60	

Water Details

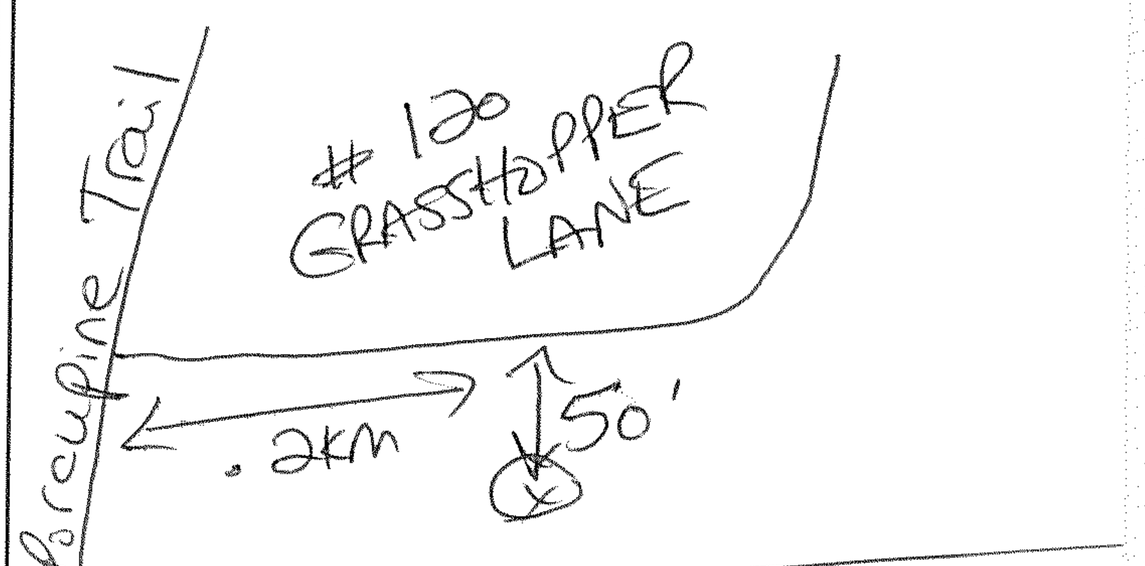
Water found at Depth (m/ft)	Kind of Water	
☐ Gas	☐ Fresh ☐ Untested	☐ Other, *specify*
Water found at Depth (m/ft) ☐ Gas	☐ Fresh ☐ Untested	☐ Other, *specify*
Water found at Depth (m/ft) ☐ Gas	☐ Fresh ☐ Untested	☐ Other, *specify*

Hole Diameter

Depth (m/ft) From	Depth (m/ft) To	Diameter (cm/in)

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

well #2

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
TIR Rock DRILLING Co LTD	7119

Business Address (Street Number/Name)	Municipality
RR#1	RICHMOND

Province	Postal Code	Business E-mail Address
ONT	K0A2Z0	

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)
6138382170	Desaulniers Ken

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
T4		2015 10 30

Well owner's information package delivered	Date Package Delivered	Date Work Completed
☐ Yes ☒ No		2015 10 01

Ministry Use Only

Audit No. Z 202603

NOV 17 2015 Received

Ministry's Copy

Ontario — Ministry of the Environment

Measurements recorded in: ☐ Metric ☒ Imperial

W Tag#: A187042 (t Below)

A187042

Well Record

Regulation 903 Ontario Water Resources Act

Page _____ of _____

[redacted]

Address of Well Location (Street Number/Name)	Township	Lot	Concession
#120 GRASSHOPPER LANE	WEST CARLETON	PT LT	4S

County/District/Municipality	City/Town/Village	Province	Postal Code
OTTAWA-CARLETON	DUNROBIN	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	420393	5030602	PLAN 4M-891	S/L 11

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	To
Grey	Silt & Sand			0'	79'
	Clay & Gravel			79'	83'
Grey	limestone			83'	133'
White	Sandstone			133'	200'

Amend Well Owner: CHANTAL PIERCE

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
90'	80'	Neat Cement Slurry	12.48
80'	0'	Bentonite Slurry	25.20

Method of Construction

☐ Cable Tool ☐ Diamond
☐ Rotary (Conventional) ☐ Jetting
☐ Rotary (Reverse) ☐ Driving
☐ Boring ☐ Digging
☒ Air percussion
☐ Other, *specify*

Well Use

☐ Public ☐ Commercial ☐ Not used
☒ Domestic ☐ Municipal ☐ Dewatering
☐ Livestock ☐ Test Hole ☐ Monitoring
☐ Irrigation ☐ Cooling & Air Conditioning
☐ Industrial
☐ Other, *specify*

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	To
6 1/4"	Steel	.188"	+2'	90'
6 1/16"	Open Hole		90'	200'

Construction Record - Screen

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

Status of Well

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

Water Details

Water found at Depth (m/ft)	Gas	Kind of Water	Other, *specify*
97'	☐	☐ Fresh ☒ Untested	
20'	☐	☐ Fresh ☒ Untested	
190'	☐	☐ Fresh ☒ Untested	

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)
0'	90'	9 3/4"
90'	200'	6 1/16"

Results of Well Yield Testing

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

If pumping discontinued, give reason: X

Pump intake set at (m/ft): 180'

Pumping rate (l/min / GPM): 12

Duration of pumping: 1 hrs + 0 min

Final water level end of pumping (m/ft): 93'6"

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

Recommended pump depth (m/ft): 140'

Recommended pump rate (l/min / GPM): 12

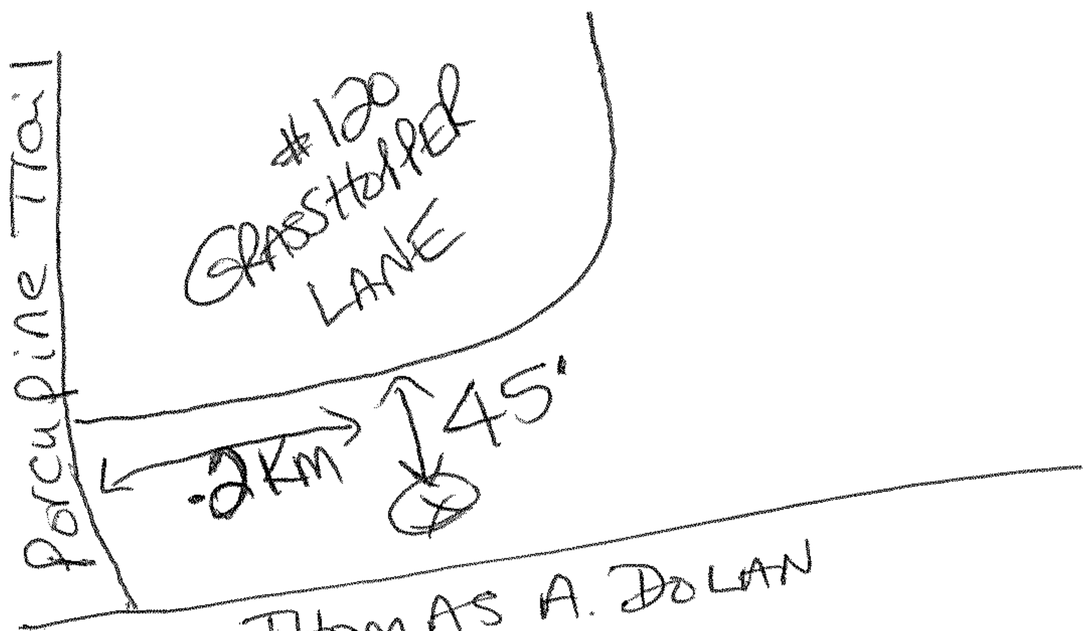
Well production (l/min / GPM): 12

Disinfected? ☒ Yes ☐ No

Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level	9'4"		93'6"
1	17'9"	1	78'6"
2	25'5"	2	71'8"
3	32'1"	3	65'7"
4	38'1"	4	60'3"
5	43'2"	5	55'4"
10	63'2"	10	37'
15	75'7"	15	26'2"
20	84'2"	20	19'9"
25	89'8"	25	13'9"
30	93'4"	30	10'6"
40	93'6"	40	9'4"
50	93'6"	50	9'4"
60	93'6"	60	9'4"

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

1/2HP - 10GPM @ 140 FT

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
AIR ROCK DRILLING Co LTD	1119

Business Address (Street Number/Name)	Municipality
RR#1	RICHMOND

Province	Postal Code	Business E-mail Address
ONT	K0A2Z0	

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)
6138382170	HANNA JEREMY

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
T3632		2015 10 30

Well owner's information package delivered	Date Package Delivered	Ministry Use Only
☒ Yes ☐ No	2015 09 28	Audit No. Z 202606
	Date Work Completed: 2015 09 23	Received NOV 17 2015

Ministry's Copy

Ontario — Ministry of the Environment and Climate Change

Measurements recorded in: ☐ Metric ☒ Imperial

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

Well Record

Regulation 903 Ontario Water Resources Act

Page _____ of _____

[redacted]

Address of Well Location (Street Number/Name)	Township	Lot	Concession
#95 PORCUPINE TRAIL	MARCH	X	X

County/District/Municipality	City/Town/Village	Province	Postal Code
OTTAWA-CARLETON	DUNROBIN	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 8 3	18	419771	5030609	PLAN 4M-799	LOT 9

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
	Deeper Existing			0'	62'
		Sand & Gravel		62'	73'
		Grey Limestone		73'	82'

(No WWR Can be located)

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m^3/ft^3)
		/	

Method of Construction

☐ Cable Tool ☐ Diamond
☐ Rotary (Conventional) ☐ Jetting
☐ Rotary (Reverse) ☐ Driving
☐ Boring ☐ Digging
☒ Air percussion
☐ Other, *specify* _____

Well Use

☐ Public ☐ Commercial ☐ Not used
☒ Domestic ☐ Municipal ☐ Dewatering
☐ Livestock ☐ Test Hole ☐ Monitoring
☐ Irrigation ☐ Cooling & Air Conditioning
☐ Industrial
☐ Other, *specify* _____

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	To

Construction Record - Screen

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

Status of Well

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

Results of Well Yield Testing

After test of well yield, water was:
☐ Clear and sand free
☐ Other, *specify* _____

If pumping discontinued, give reason: X

Pump intake set at (m/ft): 70'

Pumping rate (l/min / GPM): 20

Duration of pumping: 1 hrs + 0 min

Final water level end of pumping (m/ft): 21'

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

Recommended pump depth (m/ft): 70'

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

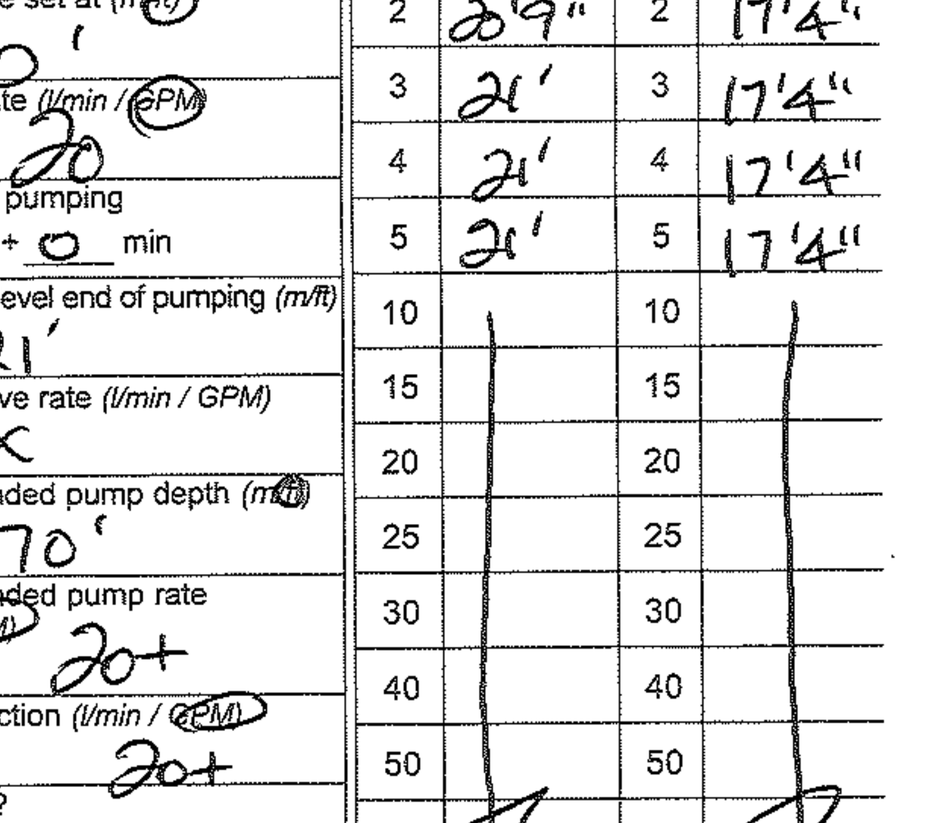
Well production (l/min / GPM): 20+

Disinfected? ☒ Yes ☐ No

Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level	17'4"		21'
1	20'8"	1	18'6"
2	20'9"	2	17'4"
3	21'	3	17'4"
4	21'	4	17'4"
5	21'	5	17'4"
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
50		50	
60		60	

Map of Well Location

Please provide a map below following instructions on the back.



Water Details

Water found at Depth (m/ft)	Gas	Kind of Water	Other, *specify*
63'	☐	☐ Fresh ☐ Untested	
72'	☐	☐ Fresh ☐ Untested	
	☐	☐ Fresh ☐ Untested	

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)
62'	82'	5 1/4"

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
AIR ROCK DRILLING CO LTD	1119

Business Address (Street Number/Name)	Municipality
RR#1	RICHMOND

Province	Postal Code	Business E-mail Address
ONT	K0A 2Z0	

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)
6138382170	HOGAN DAN

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
T3058		2016/12/30

Comments:

Well owner's information package delivered	Date Package Delivered	Date Work Completed
☒ Yes ☐ No	2016/12/07	2016/12/06

Ministry Use Only

Audit No. Z237232

JAN 27 2017

Received

0506E (2014/11)

Ministry's Copy

3-20262

Ontario — Ministry of the Environment and Climate Change

Measurements recorded in: ☑ Metric ☐ Imperial

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

Well Record

Regulation 903 Ontario Water Resources Act

Page _____ of _____

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	☐ Well Constructed by Well Owner
	City of Ottawa		

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. *(inc. area code)*
110 Laurier Avenue W, 5th Floor	Ottawa	ON	K1P1J1	

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
2800 Dunrobin RD			

County/District/Municipality	City/Town/Village	Province	Postal Code
	Ottawa	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	420170	5030413		

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To

Annular Space

Depth Set at (m/ft) From	Depth Set at (m/ft) To	Type of Sealant Used (Material and Type)	Volume Placed (m^3/ft^3)
0	7.62	Bentonite	

Method of Construction

☐ Cable Tool ☐ Diamond
☐ Rotary (Conventional) ☐ Jetting
☐ Rotary (Reverse) ☐ Driving
☐ Boring ☐ Digging
☐ Air percussion
☐ Other, *specify* _____

Well Use

☐ Public ☐ Commercial ☐ Not used
☐ Domestic ☐ Municipal ☐ Dewatering
☐ Livestock ☑ Test Hole ☑ Monitoring
☐ Irrigation ☐ Cooling & Air Conditioning
☐ Industrial
☐ Other, *specify* _____

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
5.20	PVC	.390	0	1.82

Construction Record - Screen

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

Status of Well

☐ Water Supply
☐ Replacement Well
☐ Test Hole
☐ Recharge Well
☐ Dewatering Well
☑ Observation and/or Monitoring Hole
☐ Alteration (Construction)
☐ Abandoned, Insufficient Supply
☐ Abandoned, Poor Water Quality
☑ Abandoned, other, *specify* not needed
☐ Other, *specify* _____

Water Details

Water found at Depth (m/ft)	Kind of Water	
	☐ Gas	☐ Fresh ☐ Untested ☐ Other, *specify*
	☐ Gas	☐ Fresh ☐ Untested ☐ Other, *specify*
	☐ Gas	☐ Fresh ☐ Untested ☐ Other, *specify*

Hole Diameter

Depth (m/ft) From	Depth (m/ft) To	Diameter (cm/in)
0	7.62	6.03

Results of Well Yield Testing

After test of well yield, water was:
☐ Clear and sand free
☐ Other, *specify* _____

If pumping discontinued, give reason:

Pump intake set at (m/ft)

Pumping rate (l/min / GPM)

Duration of pumping _____ hrs + _____ min

Final water level end of pumping (m/ft)

If flowing give rate (l/min / GPM)

Recommended pump depth (m/ft)

Recommended pump rate (l/min / GPM)

Well production (l/min / GPM)

Disinfected? ☐ Yes ☐ No

	Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level				
1			1	
2			2	
3			3	
4			4	
5			5	
10			10	
15			15	
20			20	
25			25	
30			30	
40			40	
50			50	
60			60	

Map of Well Location

Please provide a map below following instructions on the back.

See map
MW09-1

Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Strata Drilling Group	7241

Business Address (Street Number/Name)	Municipality
165 Sheilds Crt	Markham

Province	Postal Code	Business E-mail Address
ON	L3R8V2	wrecords@stratasoil.ca

Bus. Telephone No. *(inc. area code)*	Name of Well Technician (Last Name, First Name)
9059407919	Wallace, Phil

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
3832		2017/05/26

Well owner's information package delivered	Date Package Delivered	Date Work Completed
☐ Yes ☐ No		2017/05/26

Ministry Use Only

Audit No. Z247773

Received JUL 07 2017

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2650 Queensview Drive, Suite 100
Ottawa, ON K2B 8H6, Canada

CLIENT: CITY OF OTTAWA

TITLE: MONITORING WELL ABANDONMENT RECOMMENDATIONS

scale	1:500
date	NOVEMBER 2016
drawn by	J.R.
project no.	OTT-00020737-B7

FIG 4

S-20262

JUL 07 2017

C-7241
Z247773

S-20262

Ontario — Ministry of the Environment and Climate Change

Well Tag No. *(Place Sticker and/or Print Below)*: A/a Tag

Well Record

Regulation 903 Ontario Water Resources Act

Measurements recorded in: ☒ Metric ☐ Imperial

Page _____ of _____

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	☐ Well Constructed by Well Owner
	City of Ottawa		

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. *(inc. area code)*
10 Laurier Avenue W, 5th Floor	Ottawa	ON	K1P1J1	

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
Dunrobin RD & Thomas Dolan	Pastway		

County/District/Municipality	City/Town/Village	Province	Postal Code
	Ottawa	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	420137	5036394		

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used *(Material and Type)*	Volume Placed (m^3/ft^3)
0	2.43	Bentonite	
2.43	7.3	Cement Slurry	

Method of Construction

☐ Cable Tool ☐ Diamond
☐ Rotary (Conventional) ☐ Jetting
☐ Rotary (Reverse) ☐ Driving
☐ Boring ☐ Digging
☐ Air percussion
☐ Other, *specify* _____

Well Use

☐ Public ☐ Commercial ☐ Not used
☐ Domestic ☐ Municipal ☐ Dewatering
☐ Livestock ☑ Test Hole ☑ Monitoring
☐ Irrigation ☐ Cooling & Air Conditioning
☐ Industrial
☐ Other, *specify* _____

Construction Record - Casing

Inside Diameter *(cm/in)*	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness *(cm/in)*	Depth (m/ft) From	Depth (m/ft) To
5.20	PVC	.390	0	1.82

Construction Record - Screen

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

Status of Well

☐ Water Supply
☐ Replacement Well
☐ Test Hole
☐ Recharge Well
☐ Dewatering Well
☑ Observation and/or Monitoring Hole
☐ Alteration (Construction)
☐ Abandoned, Insufficient Supply
☐ Abandoned, Poor Water Quality
☑ Abandoned, other, *specify* Not needed
☐ Other, *specify* _____

Water Details

Water found at Depth (m/ft)	Gas	Kind of Water: ☐ Fresh ☐ Untested ☐ Other, *specify*

Hole Diameter

Depth (m/ft) From	To	Diameter *(cm/in)*
0	7.3	6.03

Results of Well Yield Testing

After test of well yield, water was:
☐ Clear and sand free
☐ Other, *specify* _____

If pumping discontinued, give reason:

Pump intake set at *(m/ft)*

Pumping rate *(l/min / GPM)*

Duration of pumping _____ hrs + _____ min

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

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

Recommended pump depth *(m/ft)*

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

Well production *(l/min / GPM)*

Disinfected? ☐ Yes ☐ No

	Draw Down Time *(min)*	Draw Down Water Level *(m/ft)*	Recovery Time *(min)*	Recovery Water Level *(m/ft)*
Static Level				
1			1	
2			2	
3			3	
4			4	
5			5	
10			10	
15			15	
20			20	
25			25	
30			30	
40			40	
50			50	
60			60	

Map of Well Location

Please provide a map below following instructions on the back.

See Map

MW-09-2

Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Strata Drilling Group	7241

Business Address (Street Number/Name)	Municipality
165 Shields Court	Markham

Province	Postal Code	Business E-mail Address
ON	L3R8V2	Wrecords@Stratasoil.com

Bus. Telephone No. *(inc. area code)*	Name of Well Technician (Last Name, First Name)
9057407919	Halladay Phil

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
3832		2017/05/26

Well owner's information package delivered	Date Package Delivered	Date Work Completed
☐ Yes ☐ No		2017/05/26

Ministry Use Only

Audit No. Z247767

JUL 07 2017

Received

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2650 Queensview Drive, Suite 100
Ottawa, ON K2B 8H6, Canada

CLIENT: CITY OF OTTAWA

TITLE: MONITORING WELL ABANDONMENT RECOMMENDATIONS

scale	1:500
date	NOVEMBER 2016
drawn by	J.R.
project no.	OTT-00020737-B7

FIG 4

S-20262

JUL 07 2017 C-7241 2247767

5202662

Ontario — Ministry of the Environment and Climate Change

Measurements recorded in: ☑ Metric ☐ Imperial

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

Well Record

Regulation 903 Ontario Water Resources Act

Page _____ of _____

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	☐ Well Constructed by Well Owner
	City of Ottawa		

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. *(inc. area code)*
110 Laurier Avenue W, 5th Floor	Ottawa	ON	K1P1J1	

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
2800 Dunrobin RD.			

County/District/Municipality	City/Town/Village	Province	Postal Code
	Ottawa	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	420196	5030396		

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used *(Material and Type)*	Volume Placed (m^3/ft^3)
0	7.62	Bentonite	

Method of Construction

☐ Cable Tool ☐ Diamond
☐ Rotary (Conventional) ☐ Jetting
☐ Rotary (Reverse) ☐ Driving
☐ Boring ☐ Digging
☐ Air percussion
☐ Other, *specify* _____

Well Use

☐ Public ☐ Commercial ☐ Not used
☐ Domestic ☐ Municipal ☐ Dewatering
☐ Livestock ☑ Test Hole ☑ Monitoring
☐ Irrigation ☐ Cooling & Air Conditioning
☐ Industrial
☐ Other, *specify* _____

Construction Record - Casing

Inside Diameter *(cm/in)*	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness *(cm/in)*	Depth (m/ft) From	To
5.20	PVC	.390	0	1.82

Construction Record - Screen

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

Status of Well

☐ Water Supply
☐ Replacement Well
☐ Test Hole
☐ Recharge Well
☐ Dewatering Well
☑ Observation and/or Monitoring Hole
☐ Alteration (Construction)
☐ Abandoned, Insufficient Supply
☐ Abandoned, Poor Water Quality
☑ Abandoned, other, *specify* not needed
☐ Other, *specify* _____

Water Details

Water found at Depth (m/ft)	Kind of Water: ☐ Fresh ☐ Untested ☐ Gas ☐ Other, *specify*

Hole Diameter

Depth (m/ft) From	To	Diameter *(cm/in)*
0	7.62	6.03

Results of Well Yield Testing

After test of well yield, water was:
☐ Clear and sand free
☐ Other, *specify* _____

If pumping discontinued, give reason:

Pump intake set at *(m/ft)*

Pumping rate *(l/min / GPM)*

Duration of pumping _____ hrs + _____ min

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

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

Recommended pump depth *(m/ft)*

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

Well production *(l/min / GPM)*

Disinfected? ☐ Yes ☐ No

	Draw Down Time *(min)*	Draw Down Water Level *(m/ft)*	Recovery Time *(min)*	Recovery Water Level *(m/ft)*
Static Level				
1			1	
2			2	
3			3	
4			4	
5			5	
10			10	
15			15	
20			20	
25			25	
30			30	
40			40	
50			50	
60			60	

Map of Well Location

Please provide a map below following instructions on the back.

See map
MW09-4

Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Strata Drilling Group	7241

Business Address (Street Number/Name)	Municipality
165 Skeads crt	Markham

Province	Postal Code	Business E-mail Address
ON	L3R8V2	wrecords@strata soil.ca

Bus. Telephone No. *(inc. area code)*	Name of Well Technician (Last Name, First Name)
9059407911	Halladay, Phil

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
3832		2017 05 29

Well owner's information package delivered ☐ Yes ☐ No

Date Package Delivered: Y Y Y Y M M D D

Date Work Completed: 2017 05 26

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Audit No. Z247774

JUL 07 2017

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Ottawa, ON K2B 8H6, Canada

CLIENT: CITY OF OTTAWA

TITLE: MONITORING WELL ABANDONMENT RECOMMENDATIONS

scale	1:500
date	NOVEMBER 2016
drawn by	J.R.
project no.	OTT-00020737-B7

FIG 4

S-20262

JUL 07 2017 G7241

Z247774

5-20262

Ontario — Ministry of the Environment and Climate Change

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

Well Record

Regulation 903 Ontario Water Resources Act

Measurements recorded in: ☑ Metric ☐ Imperial

Page _____ of _____

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	☐ Well Constructed by Well Owner
	City of Ottawa		

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. *(inc. area code)*
110 Laurier Avenue W, 5th Floor	Ottawa	ON	K1P1J1	

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
Dunrobin RD & Thomas Dolan Parkway			

County/District/Municipality	City/Town/Village	Province	Postal Code
	Ottawa	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	429085	5037375		

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used *(Material and Type)*	Volume Placed (m^3/ft^3)
0	9.1	Bentonite	

Method of Construction

☐ Cable Tool ☐ Diamond
☐ Rotary (Conventional) ☐ Jetting
☐ Rotary (Reverse) ☐ Driving
☐ Boring ☐ Digging
☐ Air percussion
☐ Other, *specify* _____

Well Use

☐ Public ☐ Commercial ☐ Not used
☐ Domestic ☐ Municipal ☐ Dewatering
☐ Livestock ☑ Test Hole ☑ Monitoring
☐ Irrigation ☐ Cooling & Air Conditioning
☐ Industrial
☐ Other, *specify* _____

Construction Record - Casing

Inside Diameter *(cm/in)*	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness *(cm/in)*	Depth (m/ft) From	Depth (m/ft) To
5.20	PVC	.390	0	1.82

Construction Record - Screen

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

Status of Well

☐ Water Supply
☐ Replacement Well
☐ Test Hole
☐ Recharge Well
☐ Dewatering Well
☑ Observation and/or Monitoring Hole
☐ Alteration (Construction)
☐ Abandoned, Insufficient Supply
☐ Abandoned, Poor Water Quality
☑ Abandoned, other, *specify* not needed
☐ Other, *specify* _____

Water Details

Water found at Depth (m/ft)	Kind of Water	Gas	Other, specify
	☐ Fresh ☐ Untested	☐	
	☐ Fresh ☐ Untested	☐	
	☐ Fresh ☐ Untested	☐	

Hole Diameter

Depth (m/ft) From	To	Diameter *(cm/in)*
0	9.1	6.03

Results of Well Yield Testing

After test of well yield, water was:
☐ Clear and sand free
☐ Other, *specify* _____

If pumping discontinued, give reason:

Pump intake set at *(m/ft)*

Pumping rate *(l/min / GPM)*

Duration of pumping _____ hrs + _____ min

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

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

Recommended pump depth *(m/ft)*

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

Well production *(l/min / GPM)*

Disinfected? ☐ Yes ☐ No

	Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level				
1			1	
2			2	
3			3	
4			4	
5			5	
10			10	
15			15	
20			20	
25			25	
30			30	
40			40	
50			50	
60			60	

Map of Well Location

Please provide a map below following instructions on the back.

See map MW09-5

Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Strata Drilling Group	7141

Business Address (Street Number/Name)	Municipality
165 Shields Crt	Markham

Province	Postal Code	Business E-mail Address
ON	L3R8V2	wrecords@stratasoil.ca

Bus. Telephone No. *(inc. area code)*	Name of Well Technician (Last Name, First Name)
9059467914	Halladay, Phil

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
3832		2017/07/24

Well owner's information package delivered	Date Package Delivered	Date Work Completed
☐ Yes ☐ No		2017/05/26

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2650 Queensview Drive, Suite 100
Ottawa, ON K2B 8H6, Canada

CLIENT: CITY OF OTTAWA

TITLE: MONITORING WELL ABANDONMENT RECOMMENDATIONS

scale	1:500
date	NOVEMBER 2016
drawn by	JR.
project no.	OTT-00020737-B7

FIG 4

JUL 07 2017 C-7241 Z247775

S - 20262

5-202662

Ontario — Ministry of the Environment and Climate Change

Measurements recorded in: ☑ Metric ☐ Imperial

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

Well Record

Regulation 903 Ontario Water Resources Act

Page _____ of _____

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	☐ Well Constructed by Well Owner
	City of Ottawa		

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. *(inc. area code)*
110 Laurier Avenue W, 5th Floor	Ottawa	ON	K1P1J1	

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
Dunrobin RD & Thomas Dolan Parkway			

County/District/Municipality	City/Town/Village	Province	Postal Code
	Ottawa	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	420205	5030715		

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used *(Material and Type)*	Volume Placed (m^3/ft^3)
0	11.58	Bentonite	

Method of Construction

☐ Cable Tool ☐ Diamond
☐ Rotary (Conventional) ☐ Jetting
☐ Rotary (Reverse) ☐ Driving
☐ Boring ☐ Digging
☐ Air percussion
☐ Other, *specify* _____

Well Use

☐ Public ☐ Commercial ☐ Not used
☐ Domestic ☐ Municipal ☐ Dewatering
☐ Livestock ☑ Test Hole ☑ Monitoring
☐ Irrigation ☐ Cooling & Air Conditioning
☐ Industrial
☐ Other, *specify* _____

Construction Record - Casing

Inside Diameter *(cm/in)*	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness *(cm/in)*	Depth (m/ft) From	Depth (m/ft) To
5.20	PVC	.390	0	1.82

Construction Record - Screen

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

Status of Well

☐ Water Supply
☐ Replacement Well
☐ Test Hole
☐ Recharge Well
☐ Dewatering Well
☑ Observation and/or Monitoring Hole
☐ Alteration (Construction)
☐ Abandoned, Insufficient Supply
☐ Abandoned, Poor Water Quality
☑ Abandoned, other, *specify* not needed
☐ Other, *specify* _____

Water Details

Water found at Depth (m/ft)	Gas	Kind of Water: ☐ Fresh ☐ Untested	Other, *specify*

Hole Diameter

Depth (m/ft) From	Depth (m/ft) To	Diameter *(cm/in)*
0	11.58	6.03

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Strata Drilling Group	7241

Business Address (Street Number/Name)	Municipality
165 Steidle Crt	Markham

Province	Postal Code	Business E-mail Address
ON	L3R8V2	wrecords@stratasoil.ca

Bus. Telephone No. *(inc. area code)*	Name of Well Technician (Last Name, First Name)
9059407691	Halladay

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
3832		2017 05 29

Results of Well Yield Testing

After test of well yield, water was:
☐ Clear and sand free
☐ Other, *specify* _____

If pumping discontinued, give reason:

Pump intake set at *(m/ft)*

Pumping rate *(l/min / GPM)*

Duration of pumping _____ hrs + _____ min

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

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

Recommended pump depth *(m/ft)*

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

Well production *(l/min / GPM)*

Disinfected? ☐ Yes ☐ No

	Draw Down Time *(min)*	Draw Down Water Level *(m/ft)*	Recovery Time *(min)*	Recovery Water Level *(m/ft)*
Static Level				
1			1	
2			2	
3			3	
4			4	
5			5	
10			10	
15			15	
20			20	
25			25	
30			30	
40			40	
50			50	
60			60	

Map of Well Location

Please provide a map below following instructions on the back.

See map mw09-6.

Comments:

Well owner's information package delivered ☐ Yes ☐ No

Date Package Delivered: Y Y Y Y M M D D

Date Work Completed: 2017 05 26

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Audit No. Z247776

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Ottawa, ON K2B 8H6, Canada

CLIENT: CITY OF OTTAWA

TITLE: MONITORING WELL ABANDONMENT RECOMMENDATIONS

scale	1:500
date	NOVEMBER 2016
drawn by	J.R.
project no.	OTT-00207137-B7
	FIG 4

JUL 0 7 2017

C-7241
Z247776

S-20262

S - 20262

Ontario — Ministry of the Environment and Climate Change

Measurements recorded in: ☑ Metric ☐ Imperial

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

Well Record

Regulation 903 Ontario Water Resources Act

Page _____ of _____

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	☐ Well Constructed by Well Owner
	City of Ottawa		

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. *(inc. area code)*
110 Laurier Avenue W. 5th Floor	Ottawa	ON	K1P1J1	

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
2800 Dunrobin RD.			

County/District/Municipality	City/Town/Village	Province	Postal Code
	Ottawa.	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	442818	5030397		

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used *(Material and Type)*	Volume Placed *(m³/ft³)*
0	7.3	Bentonite.	

Method of Construction

☐ Cable Tool ☐ Diamond
☐ Rotary (Conventional) ☐ Jetting
☐ Rotary (Reverse) ☐ Driving
☐ Boring ☐ Digging
☐ Air percussion
☐ Other, *specify* _____

Well Use

☐ Public ☐ Commercial ☐ Not used
☐ Domestic ☐ Municipal ☐ Dewatering
☐ Livestock ☑ Test Hole ☑ Monitoring
☐ Irrigation ☐ Cooling & Air Conditioning
☐ Industrial
☐ Other, *specify* _____

Construction Record - Casing

Inside Diameter *(cm/in)*	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness *(cm/in)*	Depth (m/ft) From	Depth (m/ft) To
5.20	PVC	.390	0	1.82

Construction Record - Screen

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

Status of Well

☐ Water Supply
☐ Replacement Well
☐ Test Hole
☐ Recharge Well
☐ Dewatering Well
☑ Observation and/or Monitoring Hole
☐ Alteration (Construction)
☐ Abandoned, Insufficient Supply
☐ Abandoned, Poor Water Quality
☑ Abandoned, other, *specify* not needed
☐ Other, *specify* _____

Water Details

Water found at Depth (m/ft)	☐ Gas	Kind of Water: ☐ Fresh ☐ Untested ☐ Other, *specify*
Water found at Depth (m/ft)	☐ Gas	Kind of Water: ☐ Fresh ☐ Untested ☐ Other, *specify*
Water found at Depth (m/ft)	☐ Gas	Kind of Water: ☐ Fresh ☐ Untested ☐ Other, *specify*

Hole Diameter

Depth (m/ft) From	To	Diameter *(cm/in)*
0	7.3	6.03

Results of Well Yield Testing

After test of well yield, water was:
☐ Clear and sand free
☐ Other, *specify* _____

If pumping discontinued, give reason:

Pump intake set at *(m/ft)*

Pumping rate *(l/min / GPM)*

Duration of pumping _____ hrs + _____ min

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

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

Recommended pump depth *(m/ft)*

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

Well production *(l/min / GPM)*

Disinfected? ☐ Yes ☐ No

	Draw Down Time *(min)*	Draw Down Water Level *(m/ft)*	Recovery Time *(min)*	Recovery Water Level *(m/ft)*
Static Level				
1			1	
2			2	
3			3	
4			4	
5			5	
10			10	
15			15	
20			20	
25			25	
30			30	
40			40	
50			50	
60			60	

Map of Well Location

Please provide a map below following instructions on the back.

See map
MW10-5

Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Strata Drilling Group	7241

Business Address (Street Number/Name)	Municipality
165 Steeles Crt.	markham

Province	Postal Code	Business E-mail Address
ON	L3R8V2	wlrecords@stratagp.ca

Bus. Telephone No. *(inc. area code)*	Name of Well Technician (Last Name, First Name)
905 944 2799	Halladay, Phil

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
3832		2017/05/26

Well owner's information package delivered	Date Package Delivered	Date Work Completed
☐ Yes ☐ No		2017/05/26

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Ottawa, ON K2B 8H6, Canada

CLIENT: CITY OF OTTAWA

TITLE: MONITORING WELL ABANDONMENT RECOMMENDATIONS

scale	date	drawn by	project no.	FIG 4
1:500	NOVEMBER 2016	J.R.	OTT-00020737-B7	

JUL 07 2017 C-7241
Z247771

S-20262

S-20262

Ontario — Ministry of the Environment and Climate Change

Measurements recorded in: ☑ Metric ☐ Imperial

Well Tag No. *(Place Sticker and/or Print Below)*: n/o Tag

Well Record

Regulation 903 Ontario Water Resources Act

Page _____ of _____

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	☐ Well Constructed by Well Owner
	City of Ottawa		

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. *(inc. area code)*
110 Laurier Avenue W, 5th Floor	Ottawa	ON	K1P1J1	

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
2800 Dunrobin RD.			

County/District/Municipality	City/Town/Village	Province	Postal Code
	Ottawa.	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	421961	5030402		

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used *(Material and Type)*	Volume Placed (m^3/ft^3)
0	7.62	Bentonite	

Method of Construction

☐ Cable Tool ☐ Diamond
☐ Rotary (Conventional) ☐ Jetting
☐ Rotary (Reverse) ☐ Driving
☐ Boring ☐ Digging
☐ Air percussion
☐ Other, *specify* _____

Well Use

☐ Public ☐ Commercial ☐ Not used
☐ Domestic ☐ Municipal ☐ Dewatering
☐ Livestock ☑ Test Hole ☑ Monitoring
☐ Irrigation ☐ Cooling & Air Conditioning
☐ Industrial
☐ Other, *specify* _____

Construction Record - Casing

Inside Diameter *(cm/in)*	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness *(cm/in)*	Depth (m/ft) From	Depth (m/ft) To
5.20	PVC	.390	0	~~7.62~~

Construction Record - Screen

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

Status of Well

☐ Water Supply
☐ Replacement Well
☐ Test Hole
☐ Recharge Well
☐ Dewatering Well
☑ Observation and/or Monitoring Hole
☐ Alteration (Construction)
☐ Abandoned, Insufficient Supply
☐ Abandoned, Poor Water Quality
☑ Abandoned, other, *specify* not needed
☐ Other, *specify* _____

Water Details

Water found at Depth (m/ft)	Kind of Water	Gas	Other, specify
	☐ Fresh ☐ Untested	☐	
	☐ Fresh ☐ Untested	☐	
	☐ Fresh ☐ Untested	☐	

Hole Diameter

Depth (m/ft) From	To	Diameter *(cm/in)*
0	7.62	6.03

Results of Well Yield Testing

After test of well yield, water was:
☐ Clear and sand free
☐ Other, *specify* _____

If pumping discontinued, give reason:

Pump intake set at *(m/ft)*

Pumping rate *(l/min / GPM)*

Duration of pumping _____ hrs + _____ min

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

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

Recommended pump depth *(m/ft)*

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

Well production *(l/min / GPM)*

Disinfected? ☐ Yes ☐ No

	Draw Down Time *(min)*	Draw Down Water Level *(m/ft)*	Recovery Time *(min)*	Recovery Water Level *(m/ft)*
Static Level				
1			1	
2			2	
3			3	
4			4	
5			5	
10			10	
15			15	
20			20	
25			25	
30			30	
40			40	
50			50	
60			60	

Map of Well Location

Please provide a map below following instructions on the back.

See map

MW10-6

Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Strata Drilling Group	7241

Business Address (Street Number/Name)	Municipality
165 Steeles Crt	Markham

Province	Postal Code	Business E-mail Address
ON	L3R8V2	wrecords@strataso.il.ca

Bus. Telephone No. *(inc. area code)*	Name of Well Technician (Last Name, First Name)
9058947919	Halladay, Phil

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
3132		2017/05/29

Well owner's information package delivered ☐ Yes ☐ No

Date Package Delivered: Y Y Y Y M M D D

Date Work Completed: 2017/05/26

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Audit No. Z247772

JUL 07 2017

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Ottawa, ON K2B 8H6, Canada

CLIENT: CITY OF OTTAWA

TITLE: MONITORING WELL ABANDONMENT RECOMMENDATIONS

scale	1:500
date	NOVEMBER 2016
drawn by	J.R.
project no.	OTT-00020737-B7

FIG 4

JUL 07 2017 C-7241
Z247772

S-20262

S-20262

Ontario — Ministry of the Environment and Climate Change

Measurements recorded in: ☒ Metric ☐ Imperial

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

Well Record

Regulation 903 Ontario Water Resources Act

Page _____ of _____

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	☐ Well Constructed by Well Owner
	City of Ottawa		

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. *(inc. area code)*
110 Laurier Avenue W, 5th Floor	Ottawa	ON	K1P 1J1	

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
Dunrobin RD & Thomas Dolan Parkway			

County/District/Municipality	City/Town/Village	Province	Postal Code
	Ottawa	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	421020	5030357		

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To

Annular Space

Depth Set at (m/ft) From	Depth Set at (m/ft) To	Type of Sealant Used *(Material and Type)*	Volume Placed *(m³/ft³)*
0	2.43	Bentonite	
2.43	7.3	Grout Slurry	

Method of Construction

☐ Cable Tool ☐ Diamond
☐ Rotary (Conventional) ☐ Jetting
☐ Rotary (Reverse) ☐ Driving
☐ Boring ☐ Digging
☐ Air percussion
☐ Other, *specify* _____

Well Use

☐ Public ☐ Commercial ☐ Not used
☐ Domestic ☐ Municipal ☐ Dewatering
☐ Livestock ☑ Test Hole ☑ Monitoring
☐ Irrigation ☐ Cooling & Air Conditioning
☐ Industrial
☐ Other, *specify* _____

Construction Record - Casing

Inside Diameter *(cm/in)*	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness *(cm/in)*	Depth (m/ft) From	Depth (m/ft) To
5.20	PVC	.390	0	1.82

Construction Record - Screen

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

Status of Well

☐ Water Supply
☐ Replacement Well
☐ Test Hole
☐ Recharge Well
☐ Dewatering Well
☑ Observation and/or Monitoring Hole
☐ Alteration (Construction)
☐ Abandoned, Insufficient Supply
☐ Abandoned, Poor Water Quality
☑ Abandoned, other, *specify* not needed
☐ Other, *specify* _____

Water Details

Water found at Depth (m/ft)	☐ Gas	Kind of Water: ☐ Fresh ☐ Untested ☐ Other, *specify*

Hole Diameter

Depth (m/ft) From	Depth (m/ft) To	Diameter *(cm/in)*
0	7.3	6.03

Results of Well Yield Testing

After test of well yield, water was:
☐ Clear and sand free
☐ Other, *specify* _____

If pumping discontinued, give reason:

Pump intake set at *(m/ft)*

Pumping rate *(l/min / GPM)*

Duration of pumping _____ hrs + _____ min

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

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

Recommended pump depth *(m/ft)*

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

Well production *(l/min / GPM)*

Disinfected? ☐ Yes ☐ No

	Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level				
1			1	
2			2	
3			3	
4			4	
5			5	
10			10	
15			15	
20			20	
25			25	
30			30	
40			40	
50			50	
60			60	

Map of Well Location

Please provide a map below following instructions on the back.

See map
MW09-7

Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Strata Drilling Group	7241

Business Address (Street Number/Name)	Municipality
165 Shields Court	Markham

Province	Postal Code	Business E-mail Address
ON	L3R8V2	Wrecords@Stratasoil.com

Bus. Telephone No. *(inc. area code)*	Name of Well Technician (Last Name, First Name)
9059407919	Halladay

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
3832		07 07 2017

Well owner's information package delivered ☐ Yes ☐ No

Date Package Delivered: Y Y Y Y M M D D

Date Work Completed: 2017 07 26

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Audit No. Z247763

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2650 Queensview Drive, Suite 100
Ottawa, ON K2B 8H6, Canada

CLIENT: CITY OF OTTAWA

TITLE: MONITORING WELL ABANDONMENT RECOMMENDATIONS

scale	1:500
date	NOVEMBER 2016
drawn by	J.R.
project no.	OTT-00020737-B7

FIG 4

JUL 07 2017 C-7241 Z247763

S-20262

5-202062

Ontario — Ministry of the Environment and Climate Change

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

Well Record

Regulation 903 Ontario Water Resources Act

Measurements recorded in: [X] Metric [ ] Imperial

Page _____ of _____

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	Well Constructed by Well Owner
	City of Ottawa		[ ]

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. (inc. area code)
10 Laurier Ave W. 5th Floor	Ottawa	ON	K1P1J1	

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
Dunrobin RD & Thomas Dolan Parkway			

County/District/Municipality	City/Town/Village	Province	Postal Code
	Ottawa	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	442027	5030369		

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
0	2.43	Bentonite	
2.43	8.5	Grout Slurry	

Method of Construction

[ ] Cable Tool [ ] Diamond
[ ] Rotary (Conventional) [ ] Jetting
[ ] Rotary (Reverse) [ ] Driving
[ ] Boring [ ] Digging
[ ] Air percussion
[ ] Other, *specify* _____

Well Use

[ ] Public [ ] Commercial [ ] Not used
[ ] Domestic [ ] Municipal [ ] Dewatering
[ ] Livestock [X] Test Hole [X] Monitoring
[ ] Irrigation [ ] Cooling & Air Conditioning
[ ] Industrial
[ ] Other, *specify* _____

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
5.20	PVC	.390	0	1.82

Construction Record - Screen

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

Status of Well

[ ] Water Supply
[ ] Replacement Well
[ ] Test Hole
[ ] Recharge Well
[ ] Dewatering Well
[X] Observation and/or Monitoring Hole
[ ] Alteration (Construction)
[ ] Abandoned, Insufficient Supply
[ ] Abandoned, Poor Water Quality
[X] Abandoned, other, *specify* Not needed
[ ] Other, *specify* _____

Water Details

Water found at Depth (m/ft)	Gas	Kind of Water: Fresh	Untested	Other, specify
	[ ]	[ ]	[ ]	[ ]
	[ ]	[ ]	[ ]	[ ]
	[ ]	[ ]	[ ]	[ ]

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)
0	8.5	6.03

Results of Well Yield Testing

After test of well yield, water was:
[ ] Clear and sand free
[ ] Other, *specify* _____

If pumping discontinued, give reason:

Pump intake set at (m/ft)

Pumping rate (l/min / GPM)

Duration of pumping _____ hrs + _____ min

Final water level end of pumping (m/ft)

If flowing give rate (l/min / GPM)

Recommended pump depth (m/ft)

Recommended pump rate (l/min / GPM)

Well production (l/min / GPM)

Disinfected? [ ] Yes [ ] No

	Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level				
1			1	
2			2	
3			3	
4			4	
5			5	
10			10	
15			15	
20			20	
25			25	
30			30	
40			40	
50			50	
60			60	

Map of Well Location

Please provide a map below following instructions on the back.

See map 09-8

Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Strata Drilling Group	7241

Business Address (Street Number/Name)	Municipality
165 Shields Court	Markham

Province	Postal Code	Business E-mail Address
ON	L3R8V2	Wrecords@Stratasoil.com

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)
9059407919	Halladay, Phil

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
3832		2017/05/29

Well owner's information package delivered	Date Package Delivered	Date Work Completed
[ ] Yes [ ] No		2017/05/26

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CLIENT:	CITY OF OTTAWA
TITLE:	MONITORING WELL ABANDONMENT RECOMMENDATIONS
scale: 1:500	
date: NOVEMBER 2016	
drawn by: J.R.	
project no.: OTT-00020737-B7	
FIG 4	

S-20262

JUL 07 2017

C-7241
Z-247762

5-20262

Ontario — Ministry of the Environment and Climate Change

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

Well Record

Regulation 903 Ontario Water Resources Act

Measurements recorded in: ☑ Metric ☐ Imperial

Page _____ of _____

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	☐ Well Constructed by Well Owner
City of ottawa.			

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. *(inc. area code)*
110 Laurier Avenue W. 5th Floor	Ottawa	ON	K1P1J1	

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
2800 Dunrobin RD.			

County/District/Municipality	City/Town/Village	Province	Postal Code
	Ottawa.	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	4920032	5030423		

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used *(Material and Type)*	Volume Placed (m^3/ft^3)
0	7.62	Bentonite.	

Method of Construction

☐ Cable Tool ☐ Diamond
☐ Rotary (Conventional) ☐ Jetting
☐ Rotary (Reverse) ☐ Driving
☐ Boring ☐ Digging
☐ Air percussion
☐ Other, *specify* _____

Well Use

☐ Public ☐ Commercial ☐ Not used
☐ Domestic ☐ Municipal ☐ Dewatering
☐ Livestock ☑ Test Hole ☑ Monitoring
☐ Irrigation ☐ Cooling & Air Conditioning
☐ Industrial
☐ Other, *specify* _____

Construction Record - Casing

Inside Diameter *(cm/in)*	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness *(cm/in)*	Depth (m/ft) From	Depth (m/ft) To
5.2c	PVC	.39c	0	1.82

Construction Record - Screen

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

Status of Well

☐ Water Supply
☐ Replacement Well
☐ Test Hole
☐ Recharge Well
☐ Dewatering Well
☑ Observation and/or Monitoring Hole
☐ Alteration (Construction)
☐ Abandoned, Insufficient Supply
☐ Abandoned, Poor Water Quality
☑ Abandoned, other, *specify* not needed.
☐ Other, *specify* _____

Water Details

Water found at Depth (m/ft)	Kind of Water: ☐ Fresh ☐ Untested ☐ Gas ☐ Other, *specify*

Hole Diameter

Depth (m/ft) From	Depth (m/ft) To	Diameter *(cm/in)*
0	7.62	6.03

Results of Well Yield Testing

After test of well yield, water was:
☐ Clear and sand free
☐ Other, *specify* _____

If pumping discontinued, give reason:

Pump intake set at *(m/ft)*

Pumping rate *(l/min / GPM)*

Duration of pumping _____ hrs + _____ min

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

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

Recommended pump depth *(m/ft)*

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

Well production *(l/min / GPM)*

Disinfected? ☐ Yes ☐ No

	Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level				
1			1	
2			2	
3			3	
4			4	
5			5	
10			10	
15			15	
20			20	
25			25	
30			30	
40			40	
50			50	
60			60	

Map of Well Location

Please provide a map below following instructions on the back.

See map

MW09-09

Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Strata Drilling Group	7241

Business Address (Street Number/Name)	Municipality
165 Shield crt.	Markham.

Province	Postal Code	Business E-mail Address
ON	L3R8V2	WIRecords@Stratagoi.ca

Bus. Telephone No. *(inc. area code)*	Name of Well Technician (Last Name, First Name)
905 940 7919	

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
3832		2017/05/26

Well owner's information package delivered	Date Package Delivered	Date Work Completed
☐ Yes ☐ No	Y Y Y Y M M D D	2017/05/26

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2650 Queensview Drive, Suite 100
Ottawa, ON K2B 8H6, Canada

CLIENT: CITY OF OTTAWA

TITLE: MONITORING WELL ABANDONMENT RECOMMENDATIONS

scale	date	drawn by	project no.	
1:500	NOVEMBER 2016	J.R.	OTT-00020737-B7	FIG 4

S-20262

JUL 07 2017

C-7241
2247770

3-20262

Ontario — Ministry of the Environment and Climate Change

Measurements recorded in: ☒ Metric ☐ Imperial

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

Well Record

Regulation 903 Ontario Water Resources Act

Page _____ of _____

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	☐ Well Constructed by Well Owner
	City of Ottawa		

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. *(inc. area code)*
110 Laurier Avenue W. 5th Floor	Ottawa	ON	K1P1J1	

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
Dunrobin RD & Thomas Dolan Parkway			

County/District/Municipality	City/Town/Village	Province	Postal Code
	Ottawa	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	420157	5030367		

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m^3/ft^3)
0	2.43	Bentonite	
2.43	7	Grout Slurry	

Method of Construction

☐ Cable Tool ☐ Diamond
☐ Rotary (Conventional) ☐ Jetting
☐ Rotary (Reverse) ☐ Driving
☐ Boring ☐ Digging
☐ Air percussion
☐ Other, *specify* _____

Well Use

☐ Public ☐ Commercial ☐ Not used
☐ Domestic ☐ Municipal ☐ Dewatering
☐ Livestock ☑ Test Hole ☑ Monitoring
☐ Irrigation ☐ Cooling & Air Conditioning
☐ Industrial
☐ Other, *specify* _____

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
5.20	PVC	.390	0	1.82

Construction Record - Screen

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

Status of Well

☐ Water Supply
☐ Replacement Well
☐ Test Hole
☐ Recharge Well
☐ Dewatering Well
☑ Observation and/or Monitoring Hole
☐ Alteration (Construction)
☐ Abandoned, Insufficient Supply
☐ Abandoned, Poor Water Quality
☑ Abandoned, other, *specify* NOT NEEDED
☐ Other, *specify* _____

Water Details

Water found at Depth (m/ft)	☐ Gas	Kind of Water: ☐ Fresh ☐ Untested ☐ Other, *specify*

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)
0	7	6.03

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Strata drilling Group	7241

Business Address (Street Number/Name)	Municipality
165 Shields Court	Markham

Province	Postal Code	Business E-mail Address
ON	L3R8V2	Wrecords@Strata-soil.com

Bus. Telephone No. *(inc. area code)*	Name of Well Technician (Last Name, First Name)
9054907919	Halladay Phil

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
3813		2017/07/29

Results of Well Yield Testing

After test of well yield, water was:
☐ Clear and sand free
☐ Other, *specify* _____

If pumping discontinued, give reason:

Pump intake set at *(m/ft)*

Pumping rate *(l/min / GPM)*

Duration of pumping _____ hrs + _____ min

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

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

Recommended pump depth *(m/ft)*

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

Well production *(l/min / GPM)*

Disinfected? ☐ Yes ☐ No

	Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level				
1			1	
2			2	
3			3	
4			4	
5			5	
10			10	
15			15	
20			20	
25			25	
30			30	
40			40	
50			50	
60			60	

Map of Well Location

Please provide a map below following instructions on the back.

See Map
MW 09-10

Comments:

Well owner's information package delivered ☐ Yes ☐ No

Date Package Delivered: Y Y Y Y M M D D

Date Work Completed: 2017/07/27

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Audit No. Z247766

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Ottawa, ON K2B 8H6, Canada

CLIENT: CITY OF OTTAWA

TITLE: MONITORING WELL ABANDONMENT RECOMMENDATIONS

scale	1:500
date	NOVEMBER 2016
drawn by	J.R.
project no.	OTT-00020737-B7
	FIG 4

JUL 0 7 2017 C-2241 Z247766

S-20262

S-20264

Ontario — Ministry of the Environment and Climate Change

Measurements recorded in: ☒ Metric ☐ Imperial

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

Well Record

Regulation 903 Ontario Water Resources Act

Page _____ of _____

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	☐ Well Constructed by Well Owner
	City of Ottawa		

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. *(inc. area code)*
110 Laurier Avenue W, 5th Floor	Ottawa	ON	K1P1J1	

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
Dunrobin RD & Thomas Dolan Parkway			

County/District/Municipality	City/Town/Village	Province	Postal Code
		Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	420177	5030346		

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used *(Material and Type)*	Volume Placed *(m³/ft³)*
0	2.43	Bentonite	
2.43	7	Cement Slurry	

Method of Construction

☐ Cable Tool ☐ Diamond
☐ Rotary (Conventional) ☐ Jetting
☐ Rotary (Reverse) ☐ Driving
☐ Boring ☐ Digging
☐ Air percussion
☐ Other, *specify* _____

Well Use

☐ Public ☐ Commercial ☐ Not used
☐ Domestic ☐ Municipal ☐ Dewatering
☐ Livestock ☑ Test Hole ☑ Monitoring
☐ Irrigation ☐ Cooling & Air Conditioning
☐ Industrial
☐ Other, *specify* _____

Construction Record - Casing

Inside Diameter *(cm/in)*	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness *(cm/in)*	Depth (m/ft) From	Depth (m/ft) To
5.20	PVC	.390	0	1.82

Construction Record - Screen

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

Status of Well

☐ Water Supply
☐ Replacement Well
☐ Test Hole
☐ Recharge Well
☐ Dewatering Well
☑ Observation and/or Monitoring Hole
☐ Alteration (Construction)
☐ Abandoned, Insufficient Supply
☐ Abandoned, Poor Water Quality
☑ Abandoned, other, *specify* Not needed
☐ Other, *specify* _____

Water Details

Water found at Depth (m/ft)	☐ Gas	Kind of Water: ☐ Fresh ☐ Untested ☐ Other, *specify*

Hole Diameter

Depth (m/ft) From	To	Diameter *(cm/in)*
0	7	6.03

Results of Well Yield Testing

After test of well yield, water was:
☐ Clear and sand free
☐ Other, *specify* _____

If pumping discontinued, give reason:

Pump intake set at *(m/ft)*

Pumping rate *(l/min / GPM)*

Duration of pumping _____ hrs + _____ min

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

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

Recommended pump depth *(m/ft)*

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

Well production *(l/min / GPM)*

Disinfected? ☐ Yes ☐ No

Draw Down Time *(min)*	Draw Down Water Level *(m/ft)*	Recovery Time *(min)*	Recovery Water Level *(m/ft)*
Static Level			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
50		50	
60		60	

Map of Well Location

Please provide a map below following instructions on the back.

See map
MV 09-11

Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Strata Drilling Group	7241

Business Address (Street Number/Name)	Municipality
165 Shields Court	Markham

Province	Postal Code	Business E-mail Address
ON	L3R8V2	Wwrecords@stratasoil.com

Bus. Telephone No. *(inc. area code)*	Name of Well Technician (Last Name, First Name)
9059407919	Halladay, Phil

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
3832		2017/05/30

Well owner's information package delivered ☐ Yes ☐ No

Date Package Delivered: Y Y Y Y M M D D

Date Work Completed: 2017/05/16

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JUL 07 2017

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2650 Queensview Drive, Suite 100
Ottawa, ON K2B 8H6, Canada

CLIENT: CITY OF OTTAWA

TITLE: MONITORING WELL ABANDONMENT RECOMMENDATIONS

scale	1:500
date	NOVEMBER 2016
drawn by	J.R.
project no.	OTT-00020737-B7

FIG 4

S - 20262

JUL 0 7 2017

C-7241
2247765

S-20262

Ontario — Ministry of the Environment and Climate Change

Well Record

Regulation 903 Ontario Water Resources Act

Page _____ of _____

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

Measurements recorded in: ☒ Metric ☐ Imperial

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	☐ Well Constructed by Well Owner
	City of ottawa		

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. *(inc. area code)*
110 Laurier Avenue W. 5th Floor	ottawa	ON	K1P1J1	

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
Dunrobin RD & Thomas Dolan Parkway			

County/District/Municipality	City/Town/Village	Province	Postal Code
		Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	420177	5030346		

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m^3/ft^3)
0	2.43	Benton. H	
2.43	10.05	Bag Grout Slurry	

Method of Construction

☐ Cable Tool ☐ Diamond
☐ Rotary (Conventional) ☐ Jetting
☐ Rotary (Reverse) ☐ Driving
☐ Boring ☐ Digging
☐ Air percussion
☐ Other, *specify* _____

Well Use

☐ Public ☐ Commercial ☐ Not used
☐ Domestic ☐ Municipal ☐ Dewatering
☐ Livestock ☑ Test Hole ☑ Monitoring
☐ Irrigation ☐ Cooling & Air Conditioning
☐ Industrial
☐ Other, *specify* _____

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
5.20	PVC	.390	0	1.82

Construction Record - Screen

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

Status of Well

☐ Water Supply
☐ Replacement Well
☐ Test Hole
☐ Recharge Well
☐ Dewatering Well
☑ Observation and/or Monitoring Hole
☐ Alteration (Construction)
☐ Abandoned, Insufficient Supply
☐ Abandoned, Poor Water Quality
☑ Abandoned, other, *specify* not needed
☐ Other, *specify* _____

Water Details

Water found at Depth (m/ft)	☐ Gas	Kind of Water: ☐ Fresh ☐ Untested ☐ Other, *specify*
Water found at Depth (m/ft)	☐ Gas	Kind of Water: ☐ Fresh ☐ Untested ☐ Other, *specify*
Water found at Depth (m/ft)	☐ Gas	Kind of Water: ☐ Fresh ☐ Untested ☐ Other, *specify*

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)
0	10.05	6.03

Results of Well Yield Testing

After test of well yield, water was:
☐ Clear and sand free
☐ Other, *specify* _____

If pumping discontinued, give reason:

Pump intake set at *(m/ft)*

Pumping rate *(l/min / GPM)*

Duration of pumping _____ hrs + _____ min

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

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

Recommended pump depth *(m/ft)*

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

Well production *(l/min / GPM)*

Disinfected? ☐ Yes ☐ No

	Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level				
1			1	
2			2	
3			3	
4			4	
5			5	
10			10	
15			15	
20			20	
25			25	
30			30	
40			40	
50			50	
60			60	

Map of Well Location

Please provide a map below following instructions on the back.

See map
MW09-12

Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Strata drilling Group	7241

Business Address (Street Number/Name)	Municipality
165 Shields Court	Markham

Province	Postal Code	Business E-mail Address
ON	L3R8V2	Wrecords@Strata50.com

Bus. Telephone No. *(inc. area code)*	Name of Well Technician (Last Name, First Name)
9059400791	Halladay Phil

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
3832		2017/06/29

Well owner's information package delivered	Date Package Delivered	Date Work Completed
☐ Yes ☐ No		2017/05/26

Ministry Use Only

Audit No. Z247764

JUL 07 2017

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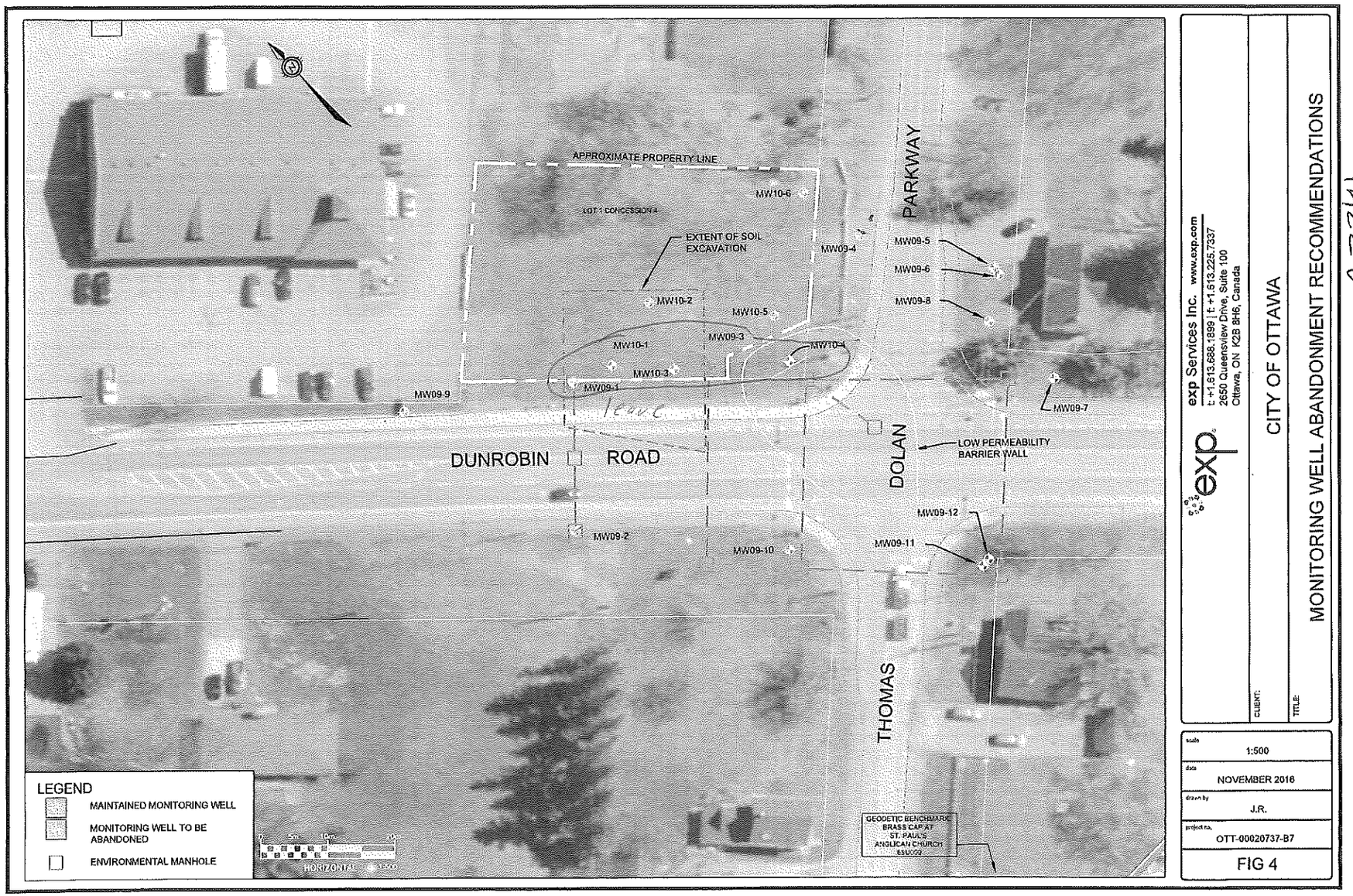
Ministry's Copy

S-20262



exp Services Inc. www.exp.com
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2650 Queensview Drive, Suite 100
Ottawa, ON K2B 8H6, Canada

CLIENT: CITY OF OTTAWA

TITLE: MONITORING WELL ABANDONMENT RECOMMENDATIONS

scale	1:500
date	NOVEMBER 2016
drawn by	J.R.
project no.	OTT-00020737-B7
	FIG 4

Ontario

Ministry of the Environment and Climate Change

Measurements recorded in: ☒ Metric ☐ Imperial

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

Tag#: A192930

Well Record

Regulation 903 Ontario Water Resources Act

[redacted]

Address of Well Location (Street Number/Name)	Township	Lot	Concession
103 PORCUPINE	TORBOLTON	1	4

County/District/Municipality	City/Town/Village	Province	Postal Code
OTTAWA/CARLETON	KINBURN	Ontario	K0A 1T0

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	4 4 7 0 8 1	5 0 3 0 8 0 1	M1-798 SUBLOT 2	

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
GREY	CLAY			0.00	5.50
BLUE	CLAY	SILT		5.50	20.13
GREY	SAND	GRAVEL (FINE)	COARSE	20.13	21.34
BLACK					

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
0.00	7.00	BENTONITE GROUT	0.17

Method of Construction

☒ Cable Tool ☐ Diamond
☐ Rotary (Conventional) ☐ Jetting
☐ Rotary (Reverse) ☐ Driving
☐ Boring ☐ Digging
☐ Air percussion
☐ Other, *specify* _____

Well Use

☐ Public ☐ Commercial ☐ Not used
☒ Domestic ☐ Municipal ☐ Dewatering
☐ Livestock ☐ Test Hole ☐ Monitoring
☐ Irrigation ☐ Cooling & Air Conditioning
☐ Industrial
☐ Other, *specify* _____

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
6.25	STEEL	0.18	+0.50	7.20
	ASTM			

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To
6.4	Stainless Steel	#10	20.13 (F3 7.6')	21.34

Status of Well

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

Water Details

Water found at Depth (m/ft)	Gas	Kind of Water	
20	☐	☐ Fresh ☒ Untested	☐ Other, *specify*
	☐	☐ Fresh ☐ Untested	☐ Other, *specify*
	☐	☐ Fresh ☐ Untested	☐ Other, *specify*

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)
0.00	7.00	22.9
7.00	21.34	15.2

Results of Well Yield Testing

After test of well yield, water was:
☒ Clear and sand free
☐ Other, *specify* _____

If pumping discontinued, give reason: N/A

Pump intake set at (m/ft): 7.62m (25')

Pumping rate (l/min / GPM): 45/pm (10gpm)

Duration of pumping: 4 hrs + 0 min

Final water level end of pumping (m/ft): 4.55

If flowing give rate (l/min / GPM): N/A

Recommended pump depth (m/ft): 7.62m (25')

Recommended pump rate (l/min / GPM): 45/pm (10gpm)

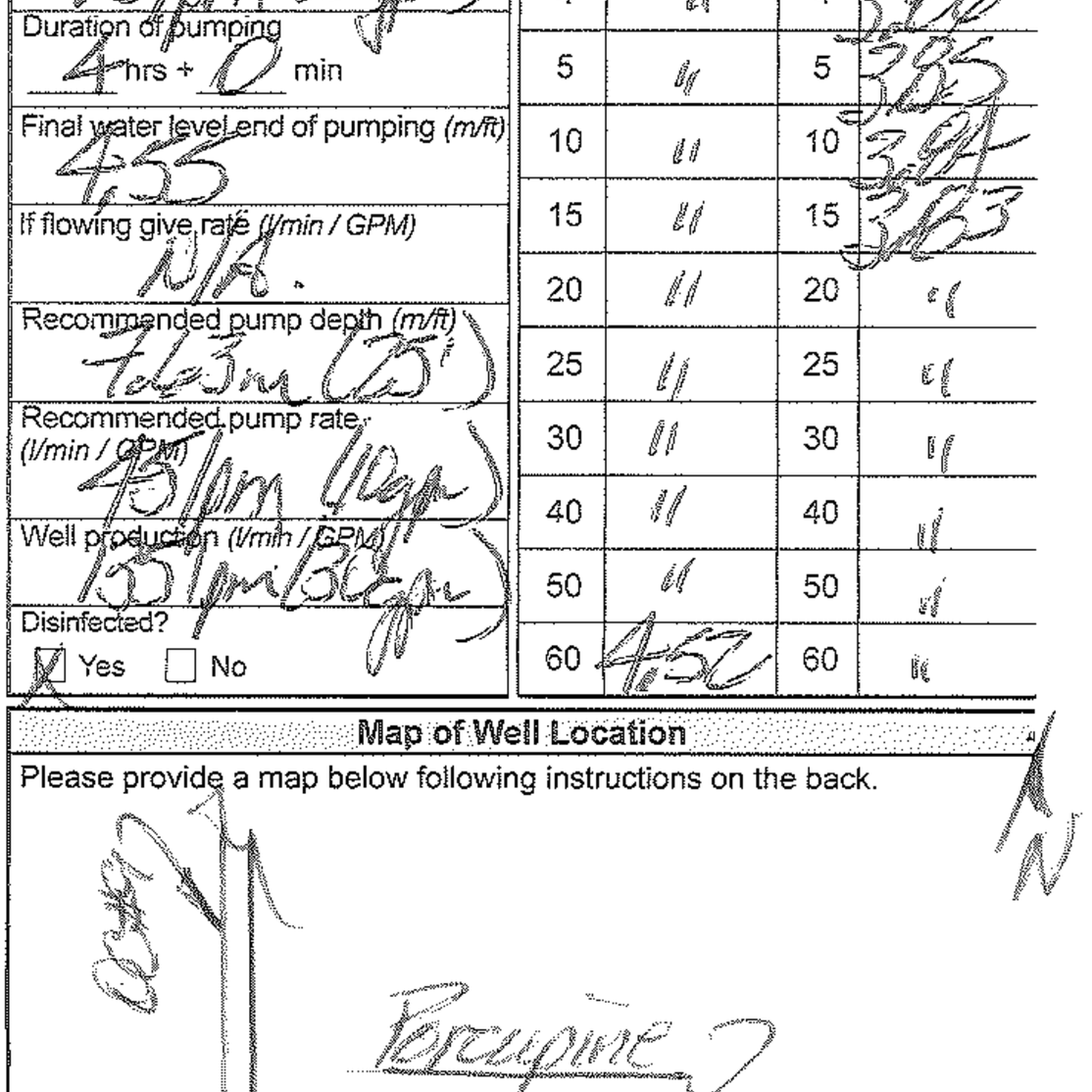
Well production (l/min / GPM): 45/pm (10gpm)

Disinfected? ☒ Yes ☐ No

Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level	3.65		
1	4.30	1	4.35
2	4.01	2	3.90
3	4.52	3	3.88
4	"	4	3.86
5	"	5	3.85
10	"	10	3.84
15	"	15	3.83
20	"	20	"
25	"	25	"
30	"	30	"
40	"	40	"
50	"	50	"
60	4.52	60	"

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
STANDEN DRILLING INC	7660

Business Address (Street Number/Name)	Municipality
BOX 219, 57 FIRE ROUTE 52	ARNPRIOR

Province	Postal Code	Business E-mail Address
ON	K7S 3G9	standendrilling@bell.net

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)
613-623-3660	STANDEN, PETER

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
0086	[signature]	OCT 27 2017

Well owner's information package delivered	Date Package Delivered	Date Work Completed
☒ Yes ☐ No	OCT 27 2017	OCT 27 2017

Ministry Use Only

Audit No. Z252097

Received OCT 31 2017

Ontario

Ministry of the Environment and Climate Change

Measurements recorded in: ☐ Metric ☒ Imperial

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

Tag#: A173121

Well Record

Regulation 903 Ontario Water Resources Act

Page 1 of 1

[redacted]

Address of Well Location (Street Number/Name)	Township	Lot	Concession
		9	6 6 4

County/District/Municipality	City/Town/Village	Province	Postal Code
Sand		Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 8 3	18	4 1 9 9 3 0	5 0 3 0 5 8 4		

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
	THIS DOCUMENT IS TO INFORM THAT THE WELL CASING HAS BEEN EXTENDED ABOVE SITE GROUND SURFACE. THIS AS AN ATTACHMENT TO THE ORIGINAL WELL RECORD WHICH MAY OR MAY NOT EXIST				
		WELL DEPTH	150'		

Annular Space

Depth Set at (m/ft) From	Depth Set at (m/ft) To	Type of Sealant Used (Material and Type)	Volume Placed (m^3/ft^3)

Method of Construction

☐ Cable Tool ☐ Diamond
☐ Rotary (Conventional) ☐ Jetting
☐ Rotary (Reverse) ☐ Driving
☐ Boring ☐ Digging
☐ Air percussion
☐ Other, *specify* _____

Well Use

☐ Public ☐ Commercial ☐ Not used
☐ Domestic ☐ Municipal ☐ Dewatering
☐ Livestock ☐ Test Hole ☐ Monitoring
☐ Irrigation ☐ Cooling & Air Conditioning
☐ Industrial
☐ Other, *specify* _____

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To

Construction Record - Screen

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

Status of Well

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

Water Details

Water found at Depth (m/ft)	Kind of Water	Other, specify
☐ Gas	☐ Fresh ☐ Untested	
☐ Gas	☐ Fresh ☐ Untested	
☐ Gas	☐ Fresh ☐ Untested	

Hole Diameter

Depth (m/ft) From	Depth (m/ft) To	Diameter (cm/in)

Results of Well Yield Testing

After test of well yield, water was:
☐ Clear and sand free
☐ Other, *specify* _____

If pumping discontinued, give reason:

Pump intake set at *(m/ft)*

Pumping rate *(l/min / GPM)*

Duration of pumping
_____ hrs + _____ min

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

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

Recommended pump depth *(m/ft)*

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

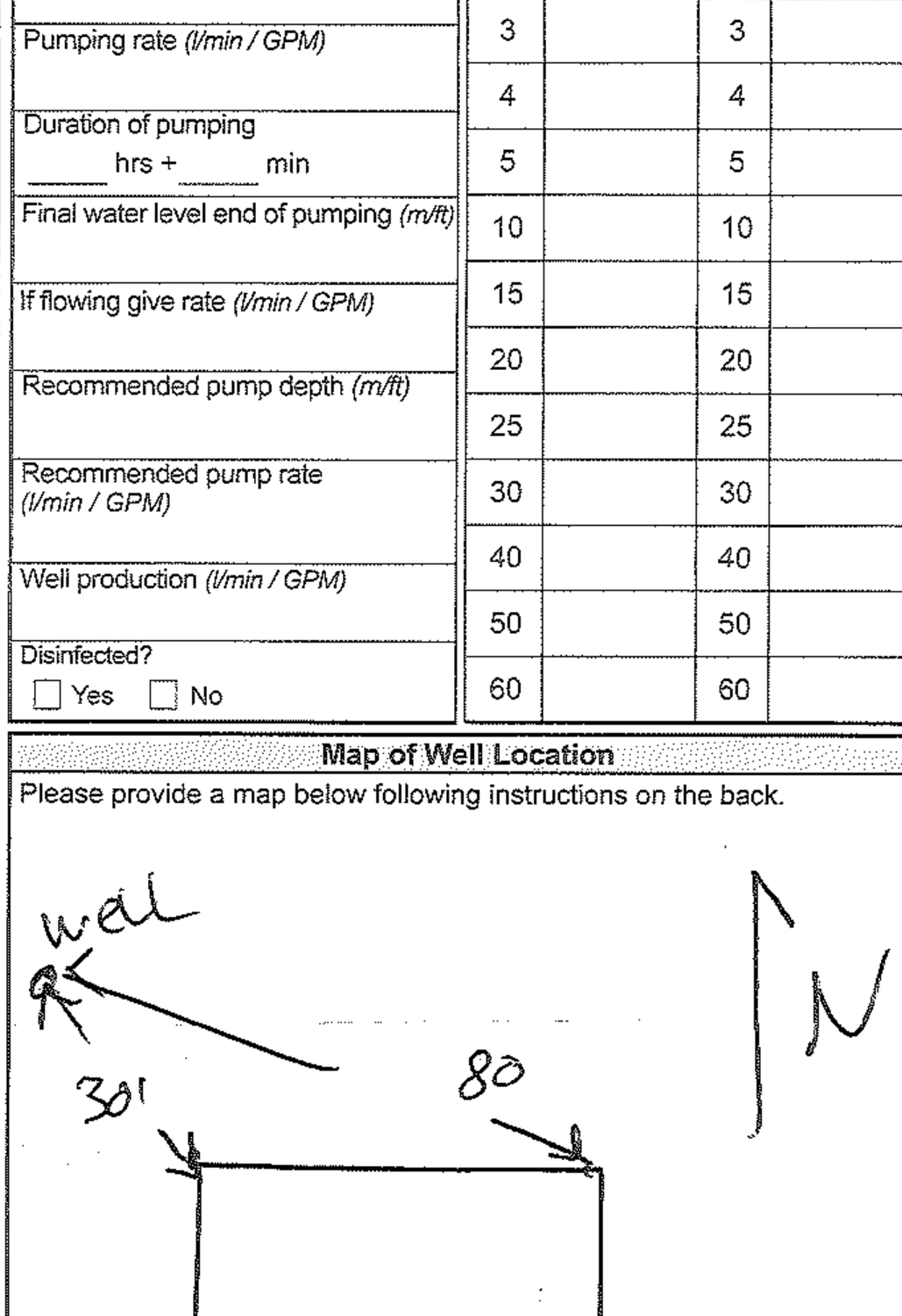
Well production *(l/min / GPM)*

Disinfected?
☐ Yes ☐ No

Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
50		50	
60		60	

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
AQUA PUMP SERVICE	6905

Business Address (Street Number/Name)	Municipality
2019 RICHARDSON SIDE RD	OTTAWA Carleton

Province	Postal Code	Business E-mail Address
ONT	K0A 1L0	

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)
6137267867	Barry Wells

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
T2489	[signature]	2017/11/10

Well owner's information package delivered	Date Package Delivered	Date Work Completed
☐ Yes ☐ No	Y Y Y Y M M D D	2017/11/01

Ministry Use Only

Audit No. Z257004

NOV 27 2017

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0506E (2014/11)

Ministry's Copy

7318217

Ontario — Ministry of the Environment and Climate Change

Measurements recorded in: ☒ Metric ☐ Imperial

Well Tag No. *(Place Sticker and/or Print Below)*: none found

Well Record

Regulation 903 Ontario Water Resources Act

5-22170 Page ____ of ____

CITY OF OTTAWA

Address of Well Location (Street Number/Name)	Township	Lot	Concession
2800 Dunrobin Rd			

County/District/Municipality	City/Town/Village	Province	Postal Code
	Dunrobin	Ontario	K0A1T0

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	420158	5030438		

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
0	6.1	Grout slurry	

Method of Construction

☐ Cable Tool ☐ Diamond
☐ Rotary (Conventional) ☐ Jetting
☐ Rotary (Reverse) ☐ Driving
☐ Boring ☐ Digging
☐ Air percussion
☐ Other, *specify* ____

Well Use

☐ Public ☐ Commercial ☐ Not used
☐ Domestic ☐ Municipal ☐ Dewatering
☐ Livestock ☒ Test Hole ☐ Monitoring
☐ Irrigation ☐ Cooling & Air Conditioning
☐ Industrial
☐ Other, *specify* ____

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
5.20	.390			

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To
6.03	PVC			

Status of Well

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

Water Details

Water found at Depth (m/ft)	Gas	Kind of Water: Fresh	Untested	Other, specify
	☐	☐	☐	☐
	☐	☐	☐	☐
	☐	☐	☐	☐

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)
0	2	6.03

Results of Well Yield Testing

After test of well yield, water was:
☐ Clear and sand free
☐ Other, *specify* ____

If pumping discontinued, give reason:

Pump intake set at (m/ft)

Pumping rate (l/min / GPM)

Duration of pumping ____ hrs + ____ min

Final water level end of pumping (m/ft)

If flowing give rate (l/min / GPM)

Recommended pump depth (m/ft)

Recommended pump rate (l/min / GPM)

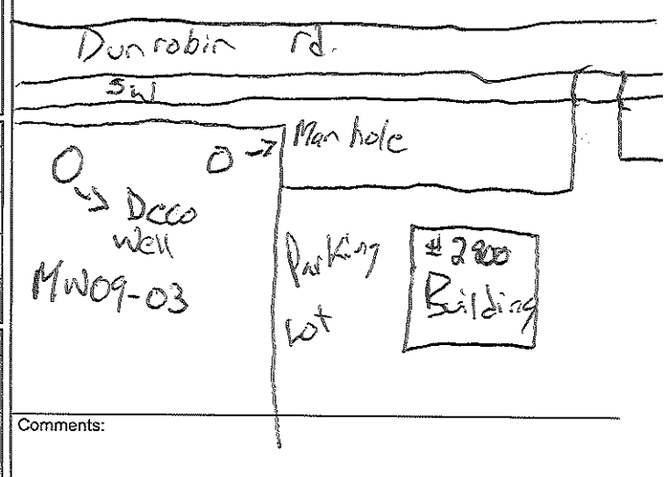
Well production (l/min / GPM)

Disinfected? ☐ Yes ☐ No

	Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level				
1			1	
2			2	
3			3	
4			4	
5			5	
10			10	
15			15	
20			20	
25			25	
30			30	
40			40	
50			50	
60			60	

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Strata Drilling Group	7214

Business Address (Street Number/Name)	Municipality
165 Shields crt	Markham

Province	Postal Code	Business E-mail Address
ON	L3R8V2	wwrecords@stratasoil.com

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)
9059407919	Beatty, Brian

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
3616		2018/06/18

Well owner's information package delivered	Date Package Delivered	Date Work Completed
☐ Yes ☐ No		2018/06/18

Ministry Use Only

Audit No. Z290605

AUG 31 2018

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0506E (2014/11)

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Ontario — Ministry of the Environment and Climate Change

Measurements recorded in: ☐ Metric ☒ Imperial

Well Tag No. *(Place Sticker and/or Print Below)* A252408

Well Record

Regulation 903 Ontario Water Resources Act

Page ____ of ____

[redacted]

Address of Well Location (Street Number/Name)	Township	Lot	Concession
2839 DUNROBIN RD	OTTAWA		

County/District/Municipality	City/Town/Village	Province	Postal Code
OTTAWA	DUNROBIN	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	441997	5030536		

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
BROWN	CLAY		DENSE	0	23½
GREY	GRAVEL		FINE	23½	38
GREY	SAND		FINE	38	50½

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
0	38½	BENTONITE GROUT	.512 yd³

Method of Construction

☐ Cable Tool ☐ Diamond
☒ Rotary (Conventional) ☐ Jetting
☐ Rotary (Reverse) MUD ☐ Driving
☐ Boring ☐ Digging
☐ Air percussion
☐ Other, *specify* _____

Well Use

☐ Public ☐ Commercial ☐ Not used
☒ Domestic ☐ Municipal ☐ Dewatering
☐ Livestock ☐ Test Hole ☐ Monitoring
☐ Irrigation ☐ Cooling & Air Conditioning
☐ Industrial
☐ Other, *specify* _____

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
6¼	STEEL	.188	0 +2	44½
5⅛	STEEL	.188	42½	46½

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To
5½"	STAINLESS	8	46½	50½

Status of Well

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

Water Details

Water found at Depth (m/ft)	Kind of Water	Hole Diameter Depth From (m/ft)	Hole Diameter Depth To (m/ft)	Diameter (cm/in)
46½-50½ ☐ Gas	☐ Fresh ☒ Untested ☐ Other, *specify* _____	0	38½	10"
(m/ft) ☐ Gas	☐ Fresh ☐ Untested ☐ Other, *specify* _____	38½	50½	6"
(m/ft) ☐ Gas	☐ Fresh ☐ Untested ☐ Other, *specify* _____			

Results of Well Yield Testing

After test of well yield, water was:
☐ Clear and sand free
☐ Other, *specify* CLEARING

If pumping discontinued, *give reason:*

Pump intake set at *(m/ft)*: 40

Pumping rate *(l/min / GPM)*: 10

Duration of pumping: 1 hrs + 0 min

Final water level end of pumping *(m/ft)*: 20.83

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

Recommended pump depth *(m/ft)*: 40

Recommended pump rate *(l/min / GPM)*: 10

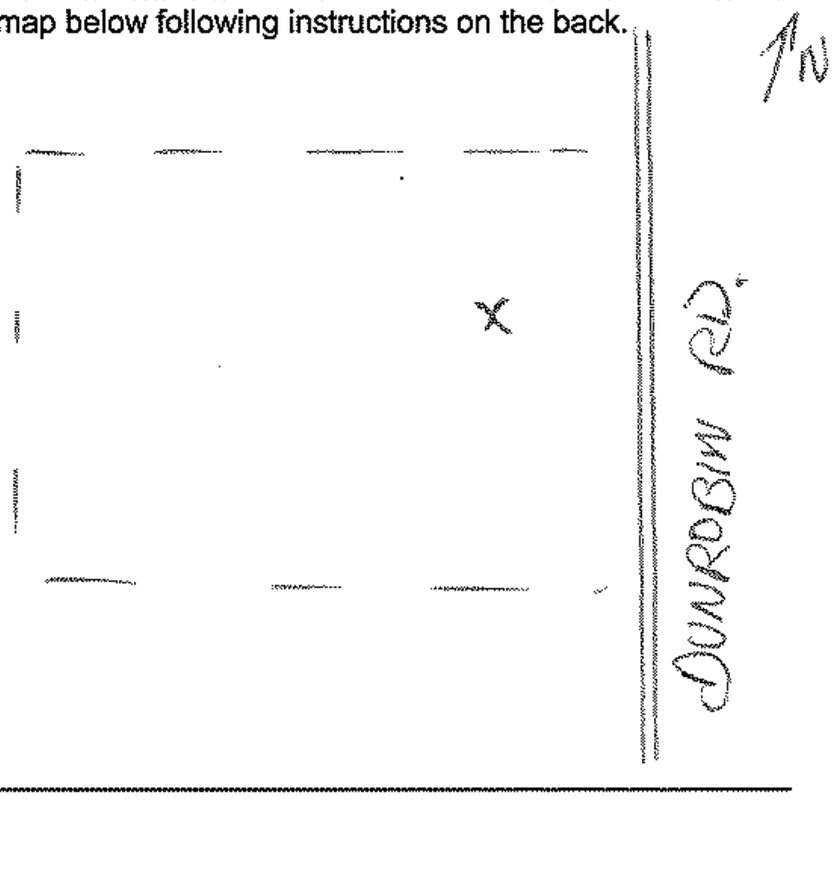
Well production *(l/min / GPM)*

Disinfected? ☒ Yes ☐ No

Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level	15.85		
1	19.81	1	17.20
2	20.50	2	16.60
3	20.70	3	15.85
4	20.75	4	15.85
5	20.80	5	15.85
10	20.81	10	15.85
15	20.83	15	15.85
20	20.80	20	15.85
25	20.82	25	15.85
30	20.83	30	15.85
40	20.82	40	15.85
50	20.80	50	15.85
60	20.83	60	15.85

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
SAUNDERS WELL DRILLING LTD	4879

Business Address (Street Number/Name)	Municipality
1080 SCHEEL DR	BRAESIDE

Province	Postal Code	Business E-mail Address
ONT	K0A1G0	

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)
6135623548	SAUNDERS TROY

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
1517	Troy Saunders	2019/06/18

Well owner's information package delivered	Date Package Delivered	Date Work Completed
☒ Yes ☐ No	2019/05/09	2019/05/16

Ministry Use Only

Audit No. Z292787

JUN 18 2019

Received

0506E (2014/11) Ministry's Copy

Ontario — Ministry of the Environment, Conservation and Parks

Measurements recorded in: ☐ Metric ☒ Imperial

Well Tag No. *(Place Sticker and/or Print Below)* A276736

Well Record

Regulation 903 Ontario Water Resources Act

Page ____ of ____

[redacted]

Address of Well Location (Street Number/Name)	Township	Lot	Concession
2833 DUNROBIN RD	OTTAWA		

County/District/Municipality	City/Town/Village	Province	Postal Code
OTTAWA	DUNROBIN	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	420008	5030524		

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
BROWN	CLAY	LAYERS OF SAND		0	20
GREY	SAND	LAYERS OF FINE GRAVEL		20	51

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³) yd³
0	43	BENTONITE GROUT	5 1/2

Method of Construction

☐ Cable Tool ☐ Diamond ☐ Rotary (Conventional) ☐ Jetting ☐ Rotary (Reverse) ☐ Driving ☐ Boring ☐ Digging ☐ Air percussion ☐ Other, *specify* _____

Well Use

☐ Public ☐ Commercial ☐ Not used ☐ Domestic ☐ Municipal ☐ Dewatering ☐ Livestock ☐ Test Hole ☐ Monitoring ☐ Irrigation ☐ Cooling & Air Conditioning ☐ Industrial ☐ Other, *specify* _____

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
6 1/4	STEEL	.188	0 +3	45
5 1/8	STEEL	.188	43	47

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To
5"	STAINLESS	#8	47	51

Status of Well

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

Water Details

Water found at Depth (m/ft)	Gas	Kind of Water	
49	☐	☐ Fresh ☒ Untested	☐ Other, *specify*
	☐	☐ Fresh ☐ Untested	☐ Other, *specify*
	☐	☐ Fresh ☐ Untested	☐ Other, *specify*

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)
0	43	10"
43	51	6"

Results of Well Yield Testing

After test of well yield, water was:
☐ Clear and sand free ☐ Other, *specify* CLEARING

If pumping discontinued, give reason:

Pump intake set at (m/ft): 45

Pumping rate (l/min / GPM): 5

Duration of pumping: 1 hrs + 0 min

Final water level end of pumping (m/ft): 30.80

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

Recommended pump depth (m/ft): 45

Recommended pump rate (l/min / GPM): 5

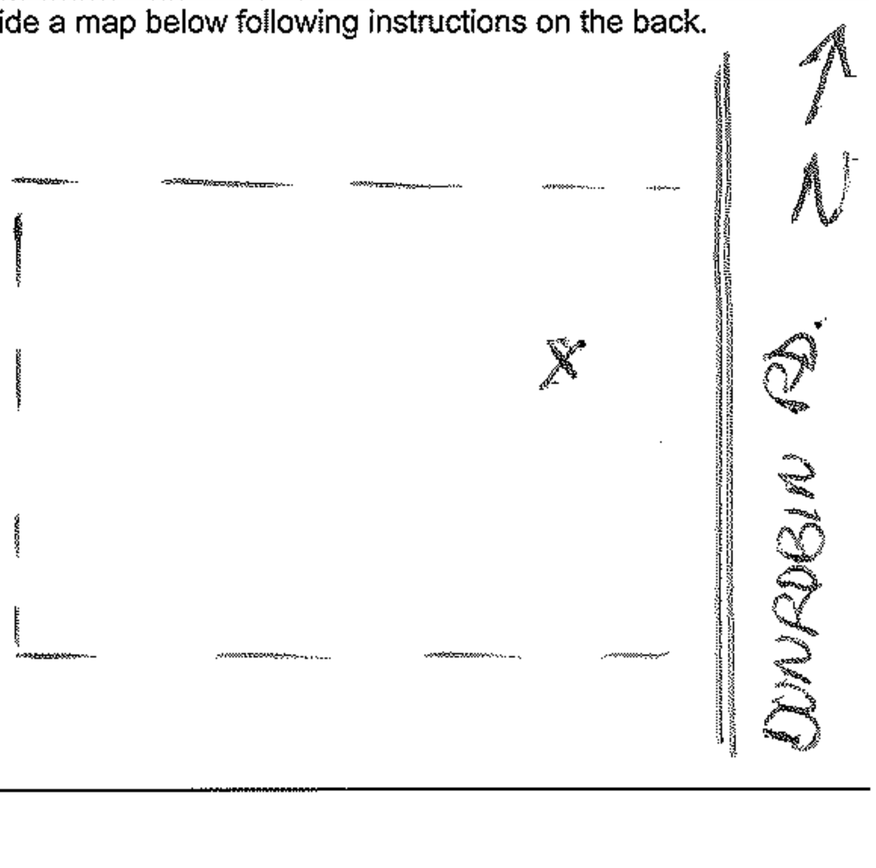
Well production (l/min / GPM): DO NOT EXCEED

Disinfected? ☒ Yes ☐ No

Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level	16.50		
1	18.55	1	26.50
2	20.10	2	24.30
3	21.45	3	22.50
4	22.40	4	21.0
5	23.10	5	19.90
10	24.95	10	17.40
15	26.60	15	16.50
20	27.80	20	16.50
25	28.91	25	16.50
30	29.30	30	16.50
40	29.30	40	16.50
50	29.30	50	16.50
60	29.30	60	16.50

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
SAUNDERS WELL DRILLING LTD	4879

Business Address (Street Number/Name)	Municipality
1680 SCHEEL DR	BRAESIDE

Province	Postal Code	Business E-mail Address
ONT.	K0A1G0	

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)
6136235648	SAUNDERS TROY

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
T517	Troy Saun	2019 09 04

Well owner's information package delivered	Date Package Delivered	Date Work Completed
☒ Yes ☐ No	2019 08 08	2019 08 04

Ministry Use Only

Audit No. Z318950

Received SEP 09 2019

0506E (2018/12) Ministry's Copy

Ontario

Ministry of the Environment, Conservation and Parks

Measurements recorded in: [X] Metric [ ] Imperial

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

Tag #: A166330

Well Record

Regulation 903 Ontario Water Resources Act

Page 1 of 1

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	[ ] Well Constructed by Well Owner
	ST PAULS ANGLICAN CHURCH		

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. *(inc. area code)*
1118 THOS. DOLAN PKWY	DUNROBIN	ON	K0A 1T0	(613) 592-4444

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
1118 THOS. DOLAN PARKWAY	MARCH (KANATA)	22	3

County/District/Municipality	City/Town/Village	Province	Postal Code
OTTAWA	DUNROBIN	Ontario	K0A 1T0

UTM Coordinates NAD 8 3	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
	18	420166	5030280		

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
BROWN	STONES			0.00	6.20
GREY	SAND			6.20	11.90 (39')

Annular Space

Depth Set at (m/ft) From	Depth Set at (m/ft) To	Type of Sealant Used (Material and Type)	Volume Placed (m^3/ft^3)
0.00	6.20	BENTONITE HOLEPLUG	0.4
		GROUT	

Method of Construction

[X] Cable Tool [ ] Diamond
[ ] Rotary (Conventional) [ ] Jetting
[ ] Rotary (Reverse) [ ] Driving
[ ] Boring [ ] Digging
[ ] Air percussion
[ ] Other, *specify* _____

Well Use

[ ] Public [ ] Commercial [ ] Not used
[ ] Domestic [ ] Municipal [ ] Dewatering
[ ] Livestock [ ] Test Hole [ ] Monitoring
[ ] Irrigation [ ] Cooling & Air Conditioning
[ ] Industrial
[X] Other, *specify* Church/Hall

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
15.88	ASEG	0.48	10.70	10.68

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To
13.97	STAINLESS STEEL	#10	10.68 (35)	11.90 (39')

Status of Well

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

Water Details

Water found at Depth	Kind of Water	Hole Diameter Depth From	Hole Diameter Depth To	Hole Diameter (cm/in)
10.0 (m/ft) [ ] Gas	[ ] Fresh [X] Untested [ ] Other, *specify*	0.00	6.20	15.88
(m/ft) [ ] Gas	[ ] Fresh [ ] Untested [ ] Other, *specify*			
(m/ft) [ ] Gas	[ ] Fresh [ ] Untested [ ] Other, *specify*			

Results of Well Yield Testing

After test of well yield, water was:
[X] Clear and sand free
[ ] Other, *specify*

If pumping discontinued, give reason: N/A

Pump intake set at (m/ft): 9.15 m. (30')

Pumping rate (l/min / GPM): 45 l/pm (10 gpm)

Duration of pumping: 1 hrs + 0 min

Final water level end of pumping (m/ft): 6.31 m (20.6')

If flowing give rate (l/min / GPM): N/A.

Recommended pump depth (m/ft): 10.0m (33').

Recommended pump rate (l/min / GPM): 45 l/pm (10 gpm)

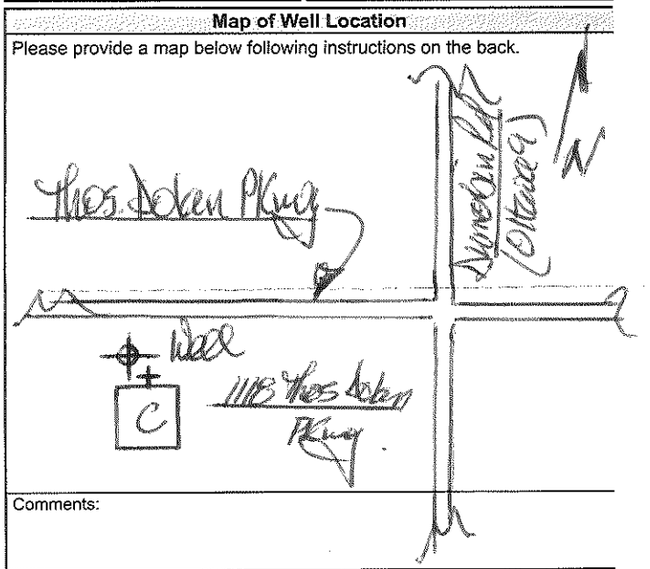
Well production (l/min / GPM): +90 l/pm (+20 gpm)

Disinfected? [X] Yes [ ] No

Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level	5.61		
1	6.28	1	5.69
2	6.29	2	5.68
3	6.30	3	5.67
4	6.30	4	5.66
5	6.30	5	5.65
10	6.30	10	5.61
15	6.30	15	"
20	6.305	20	"
25	6.31	25	"
30	6.31	30	"
40	6.31	40	"
50	6.31	50	"
60	6.31	60	5.61

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
STANTON DRILLING INC	4875

Business Address (Street Number/Name)	Municipality
157 FALE ROCHES DR, BOX 219	FARMINGTON

Province	Postal Code	Business E-mail Address
ON	K0A 2X0	stantondrilling@bell.net

Bus. Telephone No. *(inc. area code)*	Name of Well Technician (Last Name, First Name)
(613) 624-5562	STANTON, PETER

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
0086		2019/10/24

Well owner's information package delivered: [X] Yes [ ] No

Date Package Delivered: 2019/09/30

Date Work Completed: 2019/09/25

Ministry Use Only

Audit No. Z322867

Received OCT 28 2019

Ontario

Ministry of the Environment, Conservation and Parks

Measurements recorded in: ☐ Metric ☒ Imperial

Tag#:A274306

A274306

(Print Below)

Well Record

Regulation 903 Ontario Water Resources Act

Page ____ of ____

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	☐ Well Constructed by Well Owner
	L A Group		

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. (inc. area code)
139 Prescott Street Box 278	Kemptville	ON	K0G 1J0	

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
2843 Dunrobin Road	West Carleton	9	3

County/District/Municipality	City/Town/Village	Province	Postal Code
Ottawa Carleton	Dunrobin	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	419953	5030559		

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
Blue	Clay			0'	43'
	Sand			43'	74'
Grey	Limestone			74'	113'
Grey	Limestone			113'	121'

* H/O - ERIC GUENTHER - Po# 3462 *

Annular Space

Depth Set at (m/ft) From	Depth Set at (m/ft) To	Type of Sealant Used (Material and Type)	Volume Placed (m^3/Imp gal)
80'	70'	Neat cement	10.9
70'	0'	Bentonite slurry	21

Method of Construction

☐ Cable Tool ☐ Diamond
☐ Rotary (Conventional) ☐ Jetting
☐ Rotary (Reverse) ☐ Driving
☐ Boring ☐ Digging
☒ Air percussion
☐ Other, *specify* _____

Well Use

☐ Public ☐ Commercial ☐ Not used
☒ Domestic ☐ Municipal ☐ Dewatering
☐ Livestock ☐ Test Hole ☐ Monitoring
☐ Irrigation ☐ Cooling & Air Conditioning
☐ Industrial
☐ Other, *specify* _____

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
6 1/4"	Steel	.188"	+2'	80'
6"	Open Hole		80'	121'

Construction Record - Screen

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

Status of Well

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

Results of Well Yield Testing

After test of well yield, water was:
☐ Clear and sand free
☐ Other, *specify* **Not tested**

If pumping discontinued, give reason: X

Pump intake set at (m/ft): 100

Pumping rate (l/min / GPM): 12

Duration of pumping: 1 hrs + 0 min

Final water level end of pumping (m/ft): 98.5'

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

Recommended pump depth (m/ft): 100'

Recommended pump rate (l/min / GPM): 12

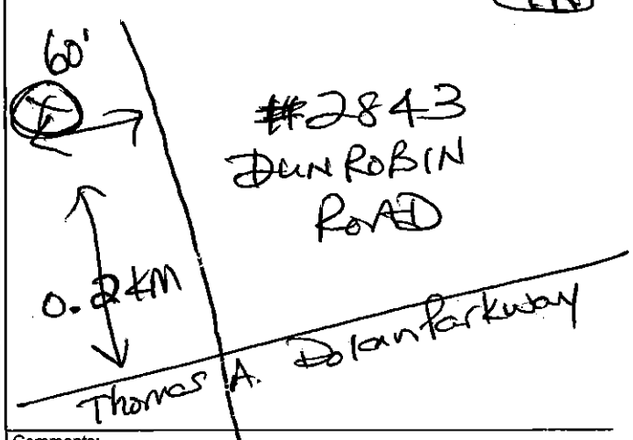
Well production (l/min / GPM): 12

Disinfected? ☒ Yes ☐ No

Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level	18'2"		98.5'
1	29.4	1	80
2	37	2	73.1
3	43.6	3	66.2
4	49.3	4	60
5	54.3	5	54.4
10	71.6	10	34.7
15	81.4	15	24.8
20	86.6	20	20.7
25	90.4	25	18.9
30	92.5	30	18.2
40	94.5	40	18.2
50	96.5	50	18.2
60	98.5'	60	18'2"

Map of Well Location

Please provide a map below following instructions on the back.



Comments: 1/2 HP - 10 GPM SET [redacted] @ 100 FT

Water Details

Water found at Depth (m/ft)	Gas	Kind of Water	Other, specify
113	☐	☐ Fresh ☒ Untested	
	☐	☐ Fresh ☐ Untested	
	☐	☐ Fresh ☐ Untested	

Hole Diameter

Depth (m/ft) From	Depth (m/ft) To	Diameter (cm/in)
0'	80'	9 3/4"
80'	121'	6"

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Air Rock Drilling Co. Ltd.	7881

Business Address (Street Number/Name)	Municipality	Province	Postal Code	Business E-mail Address
6058 Franktown Road	Richmond	ON	K0A 2Z0	air-rock@sympatico.ca

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)	Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted (Y Y Y Y M M D D)
6138382170	Hanna, Jeremy	T3632		2019 11 29

Well owner's information package delivered	Date Package Delivered (Y Y Y Y M M D D)	Date Work Completed (Y Y Y Y M M D D)
☒ Yes ☐ No	2019 10 29	2019 10 28

Ministry Use Only

Audit No. Z316940

Received NOV 25 2019

Ontario

Ministry of the Environment, Conservation and Parks

Measurements recorded in: [X] Metric [ ] Imperial

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

Tag #: A166334

Well Record

Regulation 903 Ontario Water Resources Act

Page 1 of 1

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	[ ] Well Constructed by Well Owner
	NOAH HOLMES		

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. (inc. area code)
5566 TORBOLTON RIDGE RD.	LANARK	ON	K0A2X0	(613) 229-8820

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
2750 DUNROBIN ROAD.	MARCH (HOWARD).	27.	4

County/District/Municipality	City/Town/Village	Province	Postal Code
OTTAWA	DUNROBIN	Ontario	

UTM Coordinates NAD 83	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
	18	420270	5030418		

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
BROWN/GREY	CLAY.			0.00	5.80
GREY	SAND			5.80	11.60 (38')

Annular Space

Depth Set at (m/ft) From	Depth Set at (m/ft) To	Type of Sealant Used (Material and Type)	Volume Placed (m^3/ft^3)
0.00	6.00	PEDPLUG/HOLEPLUG	N/A
		BENTONITE GROUT	

Method of Construction

[X] Cable Tool
[ ] Diamond
[ ] Rotary (Conventional)
[ ] Jetting
[ ] Rotary (Reverse)
[ ] Driving
[ ] Boring
[ ] Digging
[ ] Air percussion
[ ] Other, *specify*

Well Use

[ ] Public
[ ] Commercial
[ ] Not used
[X] Domestic
[ ] Municipal
[ ] Dewatering
[ ] Livestock
[ ] Test Hole
[ ] Monitoring
[ ] Irrigation
[ ] Cooling & Air Conditioning
[ ] Industrial
[ ] Other, *specify*

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
5.08	STEEL A53	0.18	+.16	10.37

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To
B.H.	STAINLESS	#10	10.37 (34-38')	11.60

Status of Well

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

Water Details

Water found at Depth (m/ft)	Gas	Kind of Water	Other, specify
10	[ ]	[X] Fresh [ ] Untested	
	[ ]	[ ] Fresh [ ] Untested	
	[ ]	[ ] Fresh [ ] Untested	

Hole Diameter

Depth (m/ft) From	Depth (m/ft) To	Diameter (cm/in)
0.00	6.00	20.9

Results of Well Yield Testing

After test of well yield, water was:
[X] Clear and sand free
[ ] Other, *specify*

If pumping discontinued, give reason: N/A

Pump intake set at (m/ft): 10.0m (33')

Pumping rate (l/min / GPM): 45lpm (10gpm)

Duration of pumping: 1 hrs + 0 min

Final water level end of pumping (m/ft): 7.67' (25.8')

If flowing give rate (l/min / GPM): N/A.

Recommended pump depth (m/ft): 10.0m (33')

Recommended pump rate (l/min / GPM): 45lpm (10gpm)

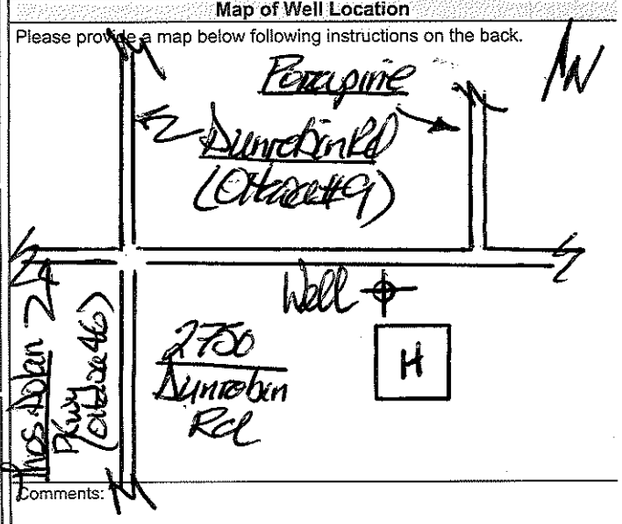
Well production (l/min / GPM): 90lpm (20gpm)

Disinfected? [X] Yes [ ] No

Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level	4.75		7.67
1	6.63	1	6.10
2	7.30	2	5.44
3	7.60	3	5.02
4	7.72	4	4.90
5	7.78	5	4.80
10	7.83	10	4.77
15	7.84	15	4.76
20	7.84	20	4.76
25	7.845	25	4.75
30	7.85	30	4.75
40	7.855	40	4.75
50	7.86	50	4.75
60	7.87.	60	4.75

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
STANTON DRILLING INC	4875

Business Address (Street Number/Name)	Municipality
157 FIVE ARCHES DR, BOX 29	PAKENHAM

Province	Postal Code	Business E-mail Address
ON	K0A2X0	stanton.drilling@bell.net

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)
(613) 256-5622	STANTON, PETER

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
0086		2019/11/25

Well owner's information package delivered	Date Package Delivered	Date Work Completed
[X] Yes [ ] No	2019/11/25	2019/11/20

Ministry Use Only

Audit No. Z322876

DEC 10 2019

Received

Ministry's Copy

Ontario — Ministry of the Environment, Conservation and Parks

Measurements recorded in: [X] Metric [ ] Imperial

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

Tag#: A192939

Well Record

Regulation 903 Ontario Water Resources Act

[redacted]

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
2629 DUNROBIN ROAD	TORBOLTON	1	3

County/District/Municipality	City/Town/Village	Province	Postal Code
OTTAWA CARLETON	DUNROBIN	Ontario	K0A 1T0

UTM Coordinates NAD 83	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
	18	420030	5030181		

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
GREY/BRN	CLAY			0.00	4.27
GREY/BLUE	CLAY			4.27	6.71
GREY.	STONES.			6.71	13.2 (43').

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m^3/ft^3)
0.00	6.71	PRE-PLUG & BENTONITE HOLEPLUG GROUT	0.22

Method of Construction

[X] Cable Tool
[ ] Rotary (Conventional)
[ ] Rotary (Reverse)
[ ] Boring
[ ] Air percussion
[ ] Other, *specify*
[ ] Diamond
[ ] Jetting
[ ] Driving
[ ] Digging

Well Use

[ ] Public
[X] Domestic
[ ] Livestock
[ ] Irrigation
[ ] Industrial
[ ] Other, *specify*
[ ] Commercial
[ ] Municipal
[ ] Test Hole
[ ] Cooling & Air Conditioning
[ ] Not used
[ ] Dewatering
[ ] Monitoring

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
5.08	STEEL 452	0.46	+.55	11.9

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To
6.97	STAINLESS STEEL (TELESCOPE)	#10	11.9 (39-43')	13.2

Status of Well

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

Water Details

Water found at Depth	Kind of Water	
11.9 (m/ft) [ ] Gas	[X] Fresh [X] Untested [ ] Other, *specify*	
(m/ft) [ ] Gas	[ ] Fresh [ ] Untested [ ] Other, *specify*	
(m/ft) [ ] Gas	[ ] Fresh [ ] Untested [ ] Other, *specify*	

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)
0.00	6.71	20.32

Results of Well Yield Testing

After test of well yield, water was:
[X] Clear and sand free
[ ] Other, *specify*

If pumping discontinued, give reason: N/A.

Pump intake set at (m/ft): 10.67m (35')

Pumping rate (l/min / GPM): 45 lpm (10 gpm)

Duration of pumping: 1 hrs + 15 min

Final water level end of pumping (m/ft): 6.81m (23')

If flowing give rate (l/min / GPM): N/A.

Recommended pump depth (m/ft): 10.7m (35')

Recommended pump rate (l/min / GPM): to 45 lpm (10 gpm).

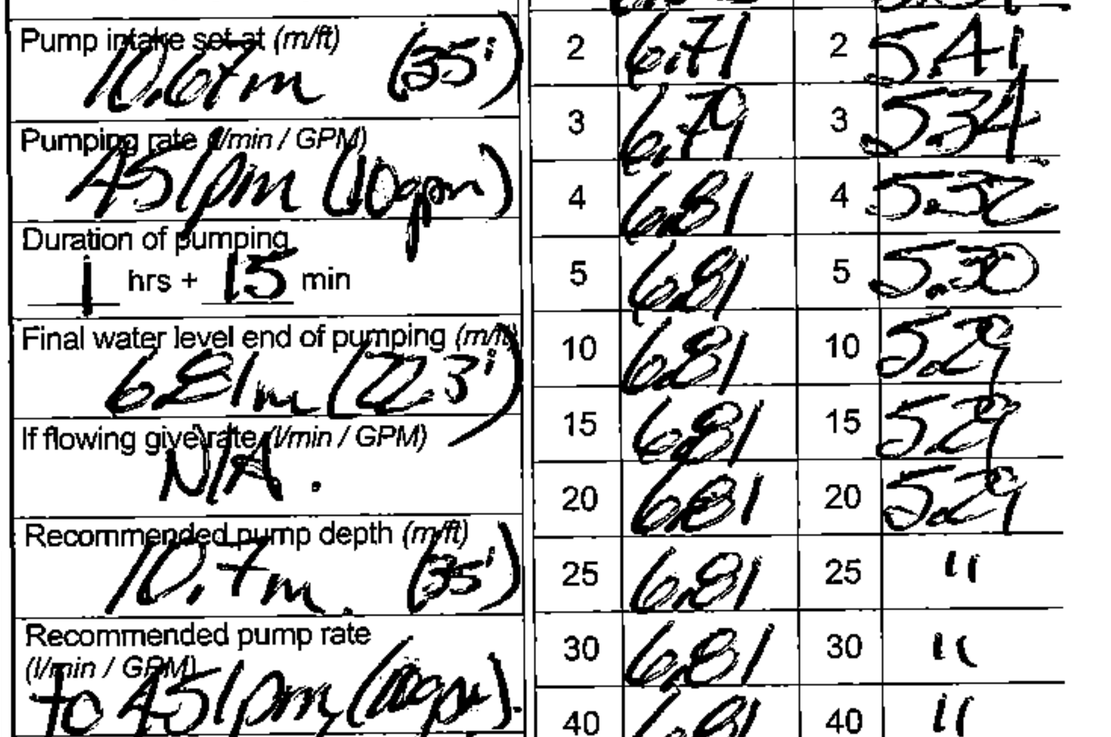
Well production (l/min / GPM): 68 lpm (15 gpm).

Disinfected? [X] Yes [ ] No

Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level	5.29		6.81
1	6.55	1	5.57
2	6.71	2	5.41
3	6.79	3	5.34
4	6.81	4	5.32
5	6.81	5	5.30
10	6.81	10	5.29
15	6.81	15	5.29
20	6.81	20	5.29
25	6.81	25	"
30	6.81	30	"
40	6.81	40	"
50	6.81	50	"
60	6.81	60	5.29.

Map of Well Location

Please provide a map below following instructions on the back.



Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
STANTON DRILLING INC.	4875

Business Address (Street Number/Name)	Municipality
157 FIVE MILE LAKE RD, BOX 219	PAKENHAM

Province	Postal Code	Business E-mail Address
ON	K0A 2X0	Stanton.drilling@bell.net

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)
(613) 624-5662	STANTON, PETER

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
0086		2020/06/05

Well owner's information package delivered	Date Package Delivered	Date Work Completed
[X] Yes [ ] No	2020/06/05	2020/05/29

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Audit No. Z322889

Received JUN 22 2020

0506E (2018/12)

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Measurements recorded in: [X] Metric [ ] Imperial

Well Tag No. *(Place Sticker and/or Print Below)* **Tag#: A192944**

Well Record

Regulation 903 Ontario Water Resources Act

Page 1 of 1

[redacted]

Address of Well Location (Street Number/Name)	Township	Lot	Concession
115 CASEY CREEK LANE	DRUMMOND	2	3

County/District/Municipality	City/Town/Village	Province	Postal Code
OTTAWA/CARLETON	DUNROBIN	Ontario	K0A 1T0

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 8 3	18	419719	5030538	ORGINAL SUBLOT 28.	

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
GREY/B	CLAY FILL	STONES/WOOD		0.00	1.22
GREY/BROWN	CLAY.			1.22	4.88
GREY/BLUE	CLAY.			4.88	7.32
GREY	SAND	GRAVEL.		7.32	13.73 (45')

Annular Space

Depth Set at (m/ft) From	Depth Set at (m/ft) To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
0.00	7.32	BENTONITE GROUT	0.15

Method of Construction

[X] Cable Tool [ ] Diamond
[ ] Rotary (Conventional) [ ] Jetting
[ ] Rotary (Reverse) [ ] Driving
[ ] Boring [ ] Digging
[ ] Air percussion
[ ] Other, specify

Well Use

[ ] Public [ ] Commercial [ ] Not used
[X] Domestic [ ] Municipal [ ] Dewatering
[ ] Livestock [ ] Test Hole [ ] Monitoring
[ ] Irrigation [ ] Cooling & Air Conditioning
[ ] Industrial
[ ] Other, specify

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
15.88	STEEL A589.	0.48	+0.40	12.51

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To
13.97	STAINLESS STEEL (T)	#10	12.51	13.73 (41-45')

Status of Well

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

Water Details

Water found at Depth (m/ft)	Gas	Kind of Water: Fresh	Untested	Other, specify
12.5	[ ]	[ ]	[X]	

Hole Diameter

Depth (m/ft) From	Depth (m/ft) To	Diameter (cm/in)
0.00	7.32	19.05
0.00	12.51	15.88
12.51	13.73	13.97

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
STANTON DRILLING LTD	4875.

Business Address (Street Number/Name)	Municipality
157 FIVE ARCHES DR., BOX 29	PAKENHAM

Province	Postal Code	Business E-mail Address
ON	K0A 2X0	stanton.drilling@bellnet

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)
(613) 624-5622	STANTON, PETER

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
0086	[signature]	2020/10/14

Results of Well Yield Testing

After test of well yield, water was:
[X] Clear and sand free
[ ] Other, specify

If pumping discontinued, give reason: N/A.

Pump intake set at (m/ft)

Pumping rate (l/min / GPM): 45lpm (10gpm)

Duration of pumping: 1 hrs + 0 min

Final water level end of pumping (m/ft): 7.27m.

If flowing give rate (l/min / GPM): N/A.

Recommended pump depth (m/ft): 10.67m (35')

Recommended pump rate (l/min / GPM): 45lpm (10gpm).

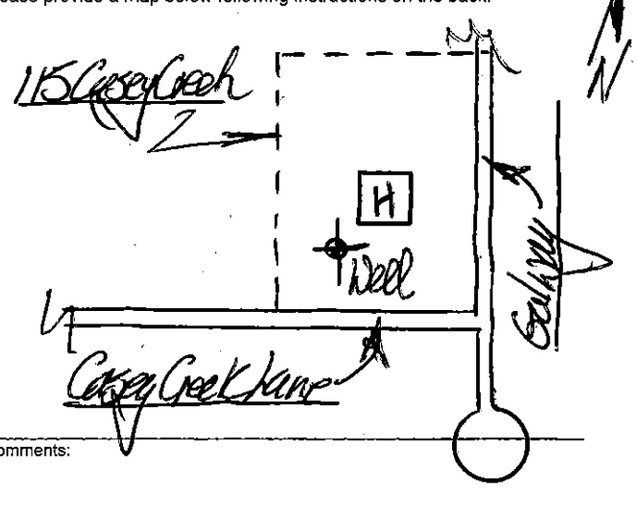
Well production (l/min / GPM): 60lpm (15gpm)

Disinfected? [X] Yes [ ] No

Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level	5.09	0	7.27.
1	6.75	1	5.83
2	7.03	2	5.34
3	7.20	3	5.17.
4	7.24	4	5.13
5	7.26	5	5.12
10	7.26	10	5.10
15	"	15	5.09
20	"	20	"
25	7.265	25	"
30	"	30	"
40	7.27.	40	"
50	"	50	"
60	"	60	"

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well owner's information package delivered: [ ] Yes [ ] No

Date Package Delivered: 2020/10/14

Date Work Completed: 2020/10/14

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7384686

Ontario — Ministry of the Environment, Conservation and Parks

Well Tag No. (Place Sticker and/or Print Below) Tag#:A307629

Well Record

Regulation 903 Ontario Water Resources Act

Measurements recorded in: [X] Metric [ ] Imperial

Page 1 of 1

[redacted]

First On Site Restoration

2815 DUNROBIN ROAD. | TORBOLTON. | 1 | 3

County/District/Municipality: OTTAWA. | City/Town/Village: DUNROBIN | Province: Ontario | Postal Code: K0A

UTM Coordinates NAD 83 | Zone: 18 | Easting: 4200960 | Northing: 5030412 | Municipal Plan and Sublot Number | Other

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	To
BROWN	SAND FILL	CLAY.		0.00	0.90
GREY	CLAY			0.90	5.50
BLUE-GREY	CLAY	SILT		5.50	11.3.
GREY	SAND.			11.3	14.34 (47')

NOTE: GPS OLD (ABANDONED) WELL * 18 4200960 5030417.

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
i) 0.00	6.00	HOLEPLUG/PEL PLUG. BENTONITE GROUT.	N/A
ii) 1.22	11.60 (4-38')	OLD WELL ABANDONED 2021 (6"ø X 38') (HOLEPLUG).	0.18.

Method of Construction

[X] Cable Tool [ ] Diamond [ ] Rotary (Conventional) [ ] Jetting [ ] Rotary (Reverse) [ ] Driving [ ] Boring [ ] Digging [ ] Air percussion [ ] Other, specify

Well Use

[ ] Public [ ] Commercial [ ] Not used [X] Domestic [ ] Municipal [ ] Dewatering [ ] Livestock [ ] Test Hole [ ] Monitoring [ ] Irrigation [ ] Cooling & Air Conditioning [ ] Industrial [ ] Other, specify

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	To
15.88	STEEL CASING.	SCH 40	+0.60	8.12.
				(old well)

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	To
13.97	STAINLESS STEEL	#10.	13.12	14.34 (43-47')

Status of Well

[X] Water Supply [ ] Replacement Well [ ] Test Hole [ ] Recharge Well [ ] Dewatering Well [ ] Observation and/or Monitoring Hole [ ] Alteration (Construction) [X] Abandoned, Insufficient Supply [ ] Abandoned, Poor Water Quality [ ] Abandoned, other, specify [ ] Other, specify

Water Details

Water found at Depth (m/ft)	Gas	Kind of Water: Fresh	Untested	Other, specify
5.1	[ ]	[ ]	[X]	

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)
0.00	8.00	22.86

Results of Well Yield Testing

After test of well yield, water was: [X] Clear and sand free [ ] Other, specify

If pumping discontinued, give reason: N/A.

Pump intake set at (m/ft): 12.2m. (40')

Pumping rate (l/min / GPM): 32lpm (7gpm)

Duration of pumping: 2 hrs + 0 min

Final water level end of pumping (m/ft): 6.93m (22.8')

If flowing give rate (l/min/GPM): N/A.

Recommended pump depth (m/ft): 10.7m (35')

Recommended pump rate (l/min/GPM): 45lpm (10gpm)

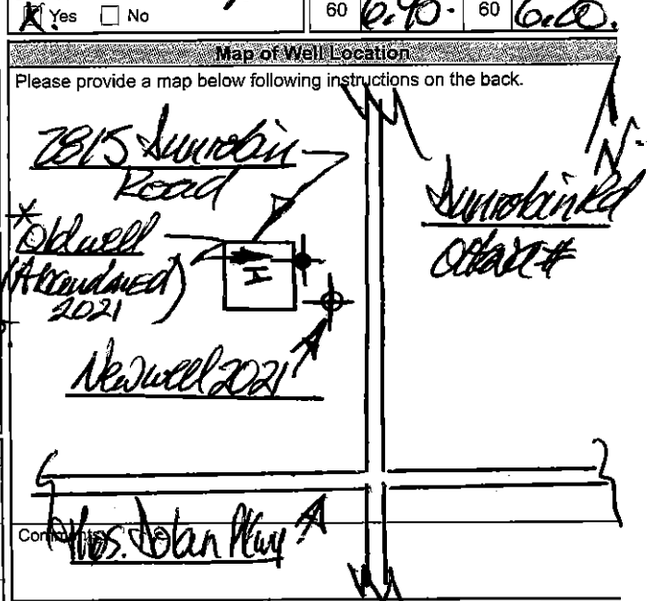
Well production (l/min/GPM): 68lpm. (15gpm)

Disinfected? [X] Yes [ ] No

Draw Down Time (min)	Water Level (m/ft)	Recovery Time (min)	Water Level (m/ft)
Static Level	6.10		6.95
1	6.92	1	6.26
2	6.92	2	6.21
3	6.92	3	6.25
4	6.92	4	"
5	6.92	5	6.20
10	6.93	10	"
15	6.935	15	"
20	6.94	20	"
25	6.94	25	"
30	6.94	30	"
40	6.95	40	"
50	6.95	50	"
60	6.90	60	6.20.

Map of Well Location

Please provide a map below following instructions on the back.



Comments: Mrs. Dan Murray

Well Contractor and Well Technician Information

Business Name of Well Contractor: STANTON DRILLING LTD | Well Contractor's Licence No.: 4875

Business Address (Street Number/Name): 157 HIGHWAY 17 BOX 219 | Municipality: PEMBROKE

Province: ON | Postal Code: K8A 2X0 | Business E-mail Address: stanton.drilling@bell.net

Bus. Telephone No. (inc. area code): (613) 604-5002 | Name of Well Technician (Last Name, First Name): STANTON, BEN

Well Technician's Licence No.: 0086 | Signature of Technician and/or Contractor | Date Submitted: 2021/03/31

Well owner's information package delivered: [X] Yes [ ] No

Date Package Delivered: 2021/03/31

Date Work Completed: 2021/03/11

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Audit No. Z349635

Received APR 13 2021

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Measurements recorded in: ☐ Metric ☐ Imperial

Well Tag No. (Place Sticker and/or Print Below) Tag#:A307630

Well Record

Regulation 903 Ontario Water Resources Act

[redacted]

Address of Well Location (Street Number/Name)	Township	Lot	Concession
111 GALLOWAY	TORBOLTON	1	3

County/District/Municipality	City/Town/Village	Province	Postal Code
OTTAWA	DUNROBIN	Ontario	K0A 1T0

UTM Coordinates NAD 83	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
	18	419604	5030530		

Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
GREY	CLAY	FILL (TOPSOIL) 0.6m		0.00	1.66
BLUE-GREY	CLAY			1.66	6.40
BROWN/GREY	SAND			6.40	11.60 (38')

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m^3/ft^3)
0.00	6.40	PELLETS/MUDPLUG	0.5
		BENTONITE GROUT.	

Method of Construction

- ☒ Cable Tool
- ☐ Rotary (Conventional)
- ☐ Rotary (Reverse)
- ☐ Boring
- ☐ Air percussion
- ☐ Other, specify
- ☐ Diamond
- ☐ Jetting
- ☐ Driving
- ☐ Digging

Well Use

- ☐ Public
- ☒ Domestic
- ☐ Livestock
- ☐ Irrigation
- ☐ Industrial
- ☐ Other, specify
- ☐ Commercial
- ☐ Municipal
- ☐ Test Hole
- ☐ Cooling & Air Conditioning
- ☐ Not used
- ☐ Dewatering
- ☐ Monitoring

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
6.6	STEEL 459	0.46	0.50	10.37

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To
6.7	STAINLESS STEEL	#10	10.37 (34')	11.60

Status of Well

- ☒ Water Supply
- ☐ Replacement Well
- ☐ Test Hole
- ☐ Recharge Well
- ☐ Dewatering Well
- ☐ Observation and/or Monitoring Hole
- ☐ Alteration (Construction)
- ☐ Abandoned, Insufficient Supply
- ☐ Abandoned, Poor Water Quality
- ☐ Abandoned, other, specify
- ☐ Other, specify

Water Details

Water found at Depth (m/ft)	Gas	Kind of Water	
11.3	☐	☐ Fresh ☒ Untested	☐ Other, specify
	☐	☐ Fresh ☐ Untested	☐ Other, specify
	☐	☐ Fresh ☐ Untested	☐ Other, specify

Hole Diameter

Depth (m/ft) From	Depth (m/ft) To	Diameter (cm/in)
0.00	6.40	15.6

Results of Well Yield Testing

After test of well yield, water was:
- ☐ Clear and sand free
- ☐ Other, specify

If pumping discontinued, give reason: N/A.

Pump intake set at (m/ft): 10.1m (33')

Pumping rate (l/min / GPM): 32lpm (7gpm)

Duration of pumping: 1 hrs + 0 min

Final water level end of pumping (m/ft): 8.30

If flowing give rate (l/min/GPM): N/A.

Recommended pump depth (m/ft): 10.1m (33')

Recommended pump rate (l/min/GPM): 32lpm (7gpm)

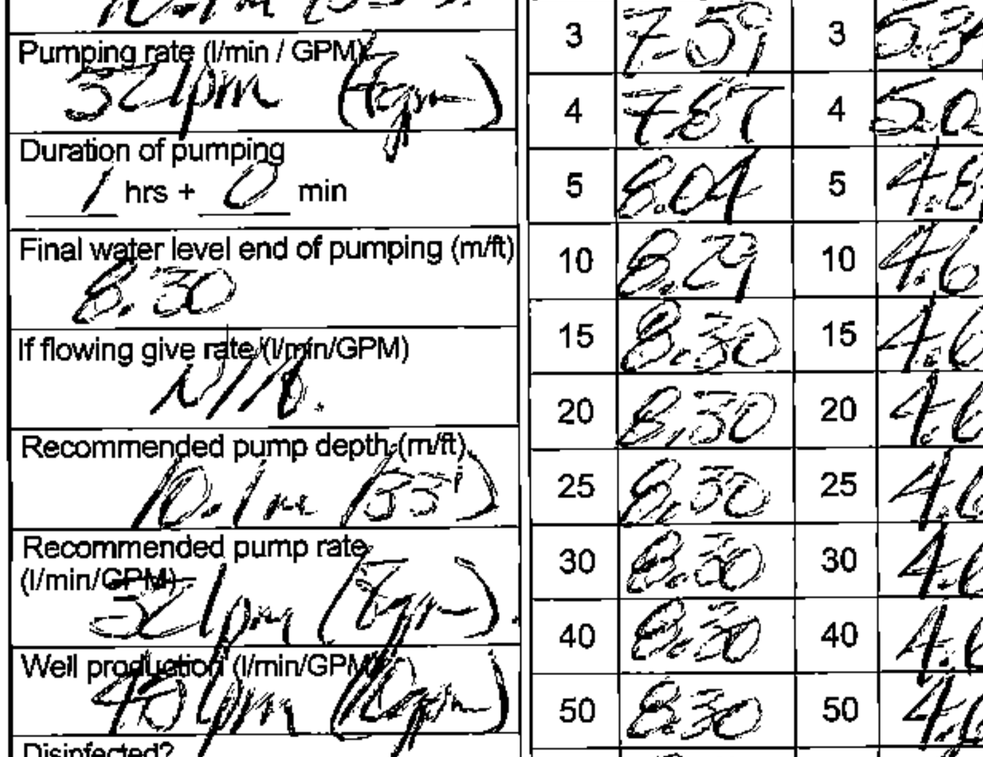
Well production (l/min/GPM): 45lpm (10gpm)

Disinfected? ☒ Yes ☐ No

Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level	4.60		
1	5.41	1	6.80
2	7.18	2	5.90
3	7.59	3	5.34
4	7.87	4	5.03
5	8.04	5	4.87
10	8.29	10	4.61
15	8.30	15	4.60
20	8.30	20	4.60
25	8.30	25	4.60
30	8.30	30	4.60
40	8.30	40	4.60
50	8.30	50	4.60
60	8.30	60	4.60

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
STANTON DRILLING INC.	7670

Business Address (Street Number/Name)	Municipality
107 FIVE MILE RD, BOX 219	FINCH

Province	Postal Code	Business E-mail Address
ON	K0A 1K0	stantondrilling@bell.net

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)
(613) 984-2148	STANTON, JEFF

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
6060		2021/04/06

Well owner's information package delivered	Date Package Delivered	Date Work Completed
☒ Yes ☐ No	2021/04/06	2021/04/06

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Audit No. Z349633

APR 13 2021

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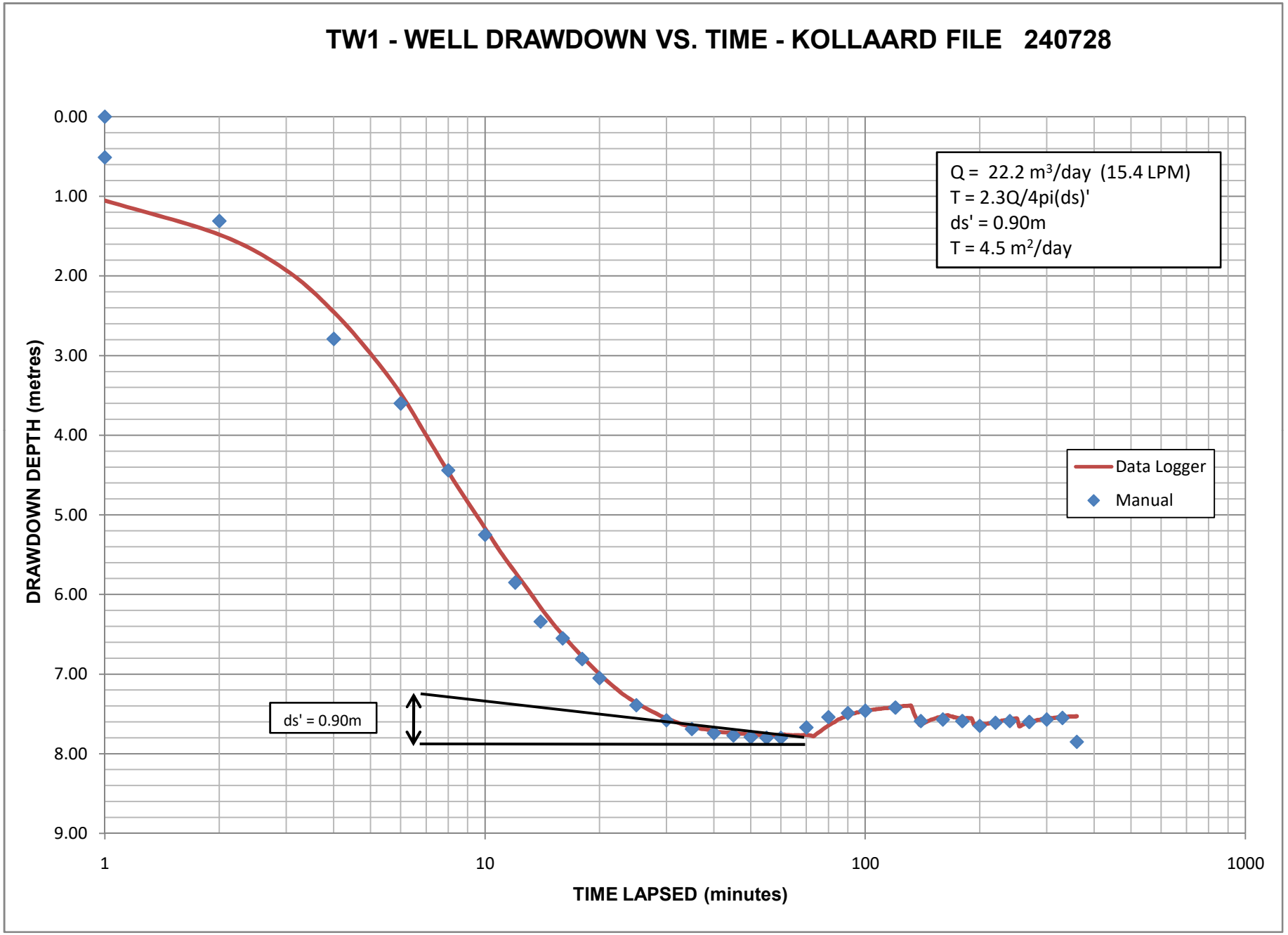
ATTACHMENT B

PUMPING TEST DATA FOR TW1


TW1 - WELL DRAWDOWN VS. TIME - KOLLAARD FILE 240728
DRAWDOWN DEPTH (metres)
0.00
1.00
2.00
3.00
4.00
5.00
6.00
7.00
8.00
9.00
1
10
100
1000
TIME LAPSED (minutes)
Q = 22.2 m³/day (15.4 LPM)
T = 2.3Q/4pi(ds)'
ds' = 0.90m
T = 4.5 m²/day
Data Logger
Manual
ds' = 0.90m

Kollaard File: **240728** Pump Rate 15.4 litres/minute

DRAWDOWN DATA - TW1

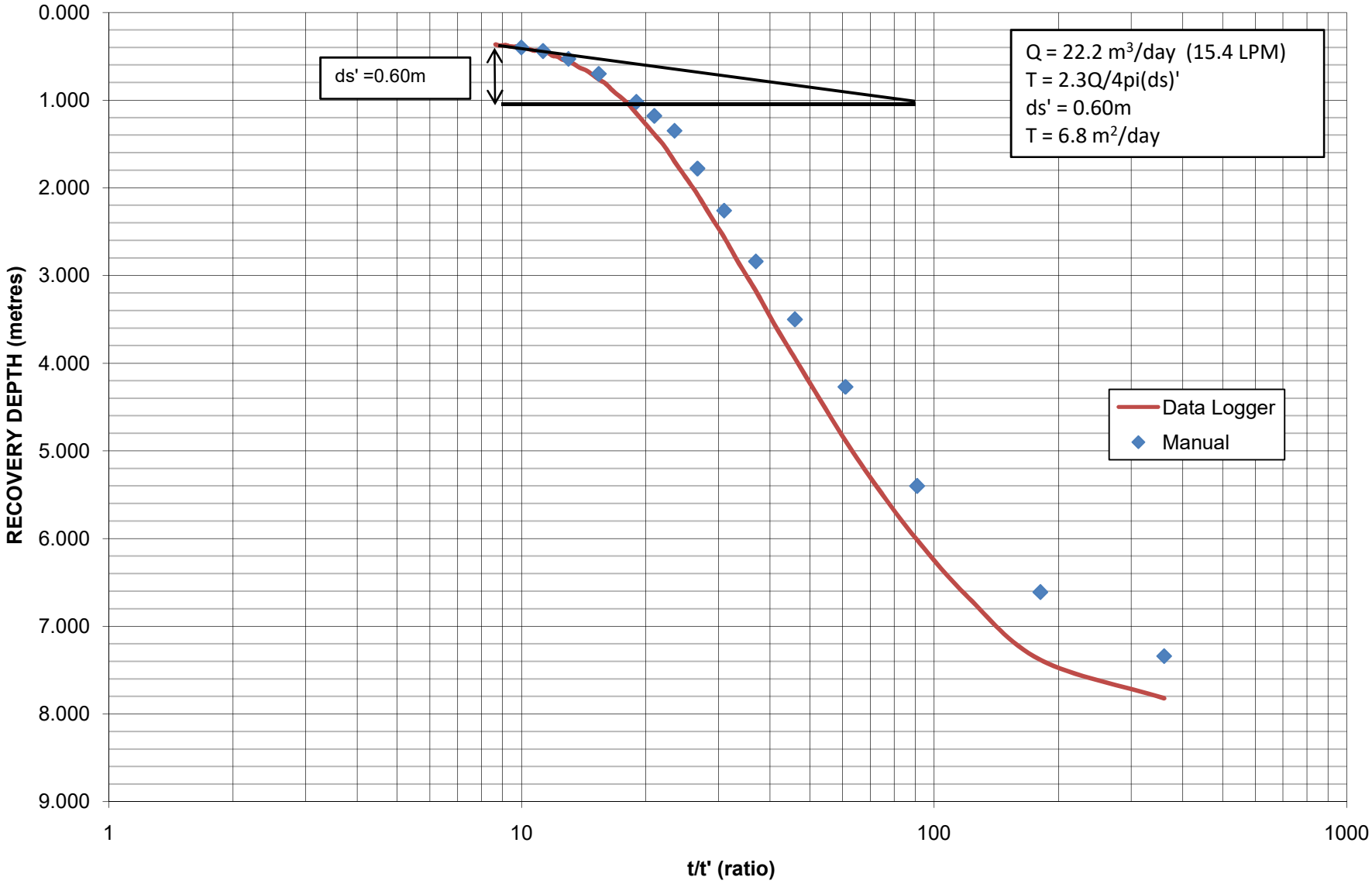
Time Lapsed (minutes)	Abs Pres (kPa)	Temp (°C)	Water Level (m)	Drawdown (m)	Manual Water Level (m)	Manual Drawdown (m)
0	222.848	9.176	-4.484795177	0.00	-4.48	0
1	212.538	9.077	-5.536709572	1.05	-4.99	0.51
2	208.352	8.978	-5.963905016	1.48	-5.79	1.31
3	203.96	8.879	-6.412103747	1.93		
4	198.824	8.879	-6.93601282	2.45	-7.27	2.79
5	193.678	8.779	-7.461111181	2.98		
6	188.78	8.779	-7.960738257	3.48	-8.08	3.60
7	183.632	8.68	-8.486023269	4.00		
8	179.144	8.68	-8.943823922	4.46	-8.92	4.44
9	175.443	8.68	-9.321346252	4.84		
10	172.212	8.581	-9.651070303	5.17	-9.73	5.25
11	169.23	8.581	-9.955248184	5.47		
12	166.796	8.581	-10.20352752	5.72	-10.33	5.85
13	164.568	8.581	-10.43079389	5.95		
14	162.442	8.581	-10.64765578	6.16	-10.82	6.34
15	160.625	8.581	-10.83299824	6.35		
16	159.047	8.581	-10.99396159	6.51	-11.03	6.55
17	157.676	8.581	-11.13380997	6.65		
18	156.407	8.581	-11.26325388	6.78	-11.29	6.81
19	155.275	8.581	-11.37872315	6.89		
20	154.246	8.581	-11.48368594	7.00	-11.53	7.05
21	153.354	8.581	-11.57467409	7.09		
22	152.557	8.481	-11.65609883	7.17		
23	151.803	8.481	-11.73300971	7.25		
24	151.22	8.481	-11.79247794	7.31		
25	150.705	8.481	-11.84500991	7.36	-11.87	7.39
26	150.259	8.481	-11.89050361	7.41		
27	149.848	8.481	-11.93242718	7.45		
28	149.47	8.481	-11.97098463	7.49		
29	149.093	8.481	-12.00944007	7.52		
30	148.818	8.481	-12.03749112	7.55	-12.06	7.58
31	148.544	8.481	-12.06544017	7.58		
32	148.304	8.481	-12.08992109	7.61		
33	148.064	8.481	-12.114402	7.63		
34	147.892	8.481	-12.13194666	7.65		
35	147.755	8.481	-12.14592118	7.66	-12.17	7.69
36	147.652	8.481	-12.15642758	7.67		
37	147.515	8.481	-12.1704021	7.69		
38	147.446	8.481	-12.17744037	7.69		
39	147.343	8.481	-12.18794676	7.70		
40	147.24	8.481	-12.19845315	7.71	-12.22	7.74
41	147.137	8.481	-12.20895955	7.72		
42	147.103	8.481	-12.21242768	7.73		
43	147.069	8.481	-12.21589581	7.73		
44	147.035	8.481	-12.21936394	7.73		
45	147	8.481	-12.22293407	7.74	-12.25	7.77
46	146.932	8.481	-12.22987033	7.75		
47	146.897	8.481	-12.23344046	7.75		
48	146.897	8.481	-12.23344046	7.75		
49	146.829	8.481	-12.24037672	7.76		
50	146.829	8.481	-12.24037672	7.76	-12.27	7.79
51	146.829	8.481	-12.24037672	7.76		
52	146.76	8.481	-12.24741499	7.76		
53	146.76	8.481	-12.24741499	7.76		
54	146.726	8.481	-12.25088312	7.77		
55	146.726	8.481	-12.25088312	7.77	-12.28	7.80
56	146.726	8.481	-12.25088312	7.77		
57	146.726	8.481	-12.25088312	7.77		
58	146.726	8.481	-12.25088312	7.77		
59	146.76	8.481	-12.24741499	7.76		
60	146.76	8.481	-12.24741499	7.76	-12.28	7.80
61	146.726	8.481	-12.25088312	7.76		
62	146.691	8.481	-12.25445325	7.76		
63	146.589	8.481	-12.26485764	7.76		
64	146.794	8.481	-12.24394686	7.77		
65	147	8.481	-12.22293407	7.77		
66	147.172	8.481	-12.20538941	7.77		
67	147.378	8.481	-12.18437663	7.77		
68	147.583	8.481	-12.16346584	7.77		
69	147.755	8.481	-12.14592118	7.76		
70	147.927	8.481	-12.12837653	7.76	-12.15	7.67
71	148.064	8.481	-12.114402	7.77		
72	148.235	8.481	-12.09695935	7.77		
73	148.338	8.481	-12.08645296	7.78		
74	148.51	8.481	-12.0689083	7.76		
75	148.681	8.481	-12.05146564	7.74		
76	148.75	8.481	-12.04442738	7.72		
77	148.887	8.481	-12.03045286	7.70		
78	148.956	8.481	-12.02341459	7.68		
79	149.059	8.481	-12.0129082	7.66		
80	149.196	8.481	-11.99893368	7.64	-12.02	7.54
81	149.264	8.481	-11.99199742	7.63		
82	149.333	8.481	-11.98495915	7.61		
83	149.402	8.481	-11.97792089	7.60		
84	149.436	8.481	-11.97445276	7.58		
85	149.539	8.481	-11.96394636	7.57		
86	149.539	8.481	-11.96394636	7.56		

87	149.607	8.481	-11.9570101	7.55		
88	149.676	8.481	-11.94997184	7.54		
89	149.71	8.481	-11.94650371	7.53		
90	149.71	8.481	-11.94650371	7.51	-11.97	7.49
91	149.745	8.481	-11.94293358	7.51		
92	149.779	8.481	-11.93946545	7.50		
93	149.848	8.481	-11.93242718	7.49		
94	149.848	8.481	-11.93242718	7.49		
95	149.882	8.481	-11.92895905	7.48		
96	149.882	8.481	-11.92895905	7.48		
97	149.951	8.481	-11.92192079	7.47		
98	149.951	8.481	-11.92192079	7.47		
99	149.985	8.481	-11.91845266	7.46		
100	149.985	8.481	-11.91845266	7.46	-11.94	7.46
101	150.019	8.481	-11.91498453	7.46		
102	150.053	8.481	-11.9115164	7.45		
103	150.053	8.481	-11.9115164	7.45		
104	150.053	8.481	-11.9115164	7.45		
105	150.088	8.481	-11.90794627	7.44		
106	150.122	8.481	-11.90447814	7.44		
107	150.156	8.481	-11.90101001	7.44		
108	150.191	8.481	-11.89743987	7.44		
109	150.191	8.481	-11.89743987	7.43		
110	150.191	8.481	-11.89743987	7.43		
111	150.191	8.481	-11.89743987	7.43		
112	150.294	8.481	-11.88693348	7.43		
113	150.259	8.481	-11.89050361	7.43		
114	150.294	8.481	-11.88693348	7.43		
115	150.294	8.481	-11.88693348	7.42		
116	150.328	8.481	-11.88346535	7.42		
117	150.328	8.481	-11.88346535	7.42		
118	150.328	8.481	-11.88346535	7.41		
119	150.328	8.481	-11.88346535	7.41		
120	150.362	8.481	-11.87999722	7.41	-11.90	7.42
121	150.362	8.481	-11.87999722	7.41		
122	150.362	8.481	-11.87999722	7.40		
123	149.951	8.481	-11.92192079	7.41		
124	149.539	8.481	-11.96394636	7.40		
125	149.162	8.481	-12.00240181	7.40		
126	148.853	8.481	-12.03392099	7.40		
127	148.51	8.481	-12.0689083	7.40		
128	148.235	8.481	-12.09695935	7.40		
129	147.995	8.481	-12.12144027	7.40		
130	147.995	8.481	-12.12144027	7.40		
131	148.064	8.481	-12.114402	7.40		
132	148.167	8.481	-12.10389561	7.40		
133	148.235	8.481	-12.09695935	7.44		
134	148.338	8.481	-12.08645296	7.48		
135	148.373	8.481	-12.08288282	7.52		
136	148.475	8.481	-12.07247843	7.55		
137	148.51	8.481	-12.0689083	7.58		
138	148.578	8.481	-12.06197204	7.61		
139	148.647	8.481	-12.05493377	7.64		
140	148.681	8.481	-12.05146564	7.64	-12.07	7.59
141	148.716	8.481	-12.04789551	7.63		
142	148.75	8.481	-12.04442738	7.62		
143	148.818	8.481	-12.03749112	7.61		
144	148.853	8.481	-12.03392099	7.60		
145	148.921	8.481	-12.02698473	7.60		
146	148.921	8.481	-12.02698473	7.59		
147	148.956	8.481	-12.02341459	7.58		
148	148.99	8.481	-12.01994646	7.58		
149	149.024	8.481	-12.01647833	7.57		
150	149.024	8.481	-12.01647833	7.57		
151	149.059	8.481	-12.0129082	7.56		
152	149.127	8.481	-12.00597194	7.56		
153	149.162	8.481	-12.00240181	7.55		
154	149.162	8.481	-12.00240181	7.55		
155	149.196	8.481	-11.99893368	7.54		
156	149.127	8.481	-12.00597194	7.54		
157	149.093	8.481	-12.00944007	7.54		
158	149.059	8.481	-12.0129082	7.54		
159	149.024	8.481	-12.01647833	7.53		
160	149.024	8.481	-12.01647833	7.53	-12.05	7.57
161	148.921	8.481	-12.02698473	7.53		
162	148.956	8.481	-12.02341459	7.52		
163	148.887	8.481	-12.03045286	7.52		
164	148.887	8.481	-12.03045286	7.52		
165	148.853	8.481	-12.03392099	7.51		
166	148.853	8.481	-12.03392099	7.52		
167	148.853	8.481	-12.03392099	7.52		
168	148.818	8.481	-12.03749112	7.53		
169	148.818	8.481	-12.03749112	7.53		
170	148.818	8.481	-12.03749112	7.53		
171	148.818	8.481	-12.03749112	7.54		
172	148.784	8.481	-12.04095925	7.54		
173	148.818	8.481	-12.03749112	7.55		
174	148.818	8.481	-12.03749112	7.55		
175	148.853	8.481	-12.03392099	7.55		
176	148.818	8.481	-12.03749112	7.55		
177	148.853	8.481	-12.03392099	7.55		
178	148.784	8.481	-12.04095925	7.55		
179	148.818	8.481	-12.03749112	7.55		

180	148.818	8.481	-12.03749112	7.55	-12.07	7.59
181	148.681	8.481	-12.05146564	7.55		
182	148.338	8.481	-12.08645296	7.56		
183	148.029	8.481	-12.11797214	7.55		
184	148.029	8.481	-12.11797214	7.55		
185	148.064	8.481	-12.114402	7.55		
186	148.098	8.481	-12.11093387	7.55		
187	148.098	8.481	-12.11093387	7.55		
188	148.098	8.481	-12.11093387	7.56		
189	148.167	8.481	-12.10389561	7.55		
190	148.167	8.481	-12.10389561	7.55		
191	148.201	8.481	-12.10042748	7.57		
192	148.167	8.481	-12.10389561	7.60		
193	148.167	8.481	-12.10389561	7.63		
194	148.098	8.481	-12.11093387	7.63		
195	148.132	8.481	-12.10746574	7.63		
196	148.132	8.481	-12.10746574	7.63		
197	148.132	8.481	-12.10746574	7.63		
198	148.132	8.481	-12.10746574	7.63		
199	148.132	8.481	-12.10746574	7.62		
200	148.167	8.481	-12.10389561	7.62	-12.13	7.65
201	148.201	8.481	-12.10042748	7.62		
202	148.167	8.481	-12.10389561	7.62		
203	148.201	8.481	-12.10042748	7.62		
204	148.235	8.481	-12.09695935	7.63		
205	148.27	8.481	-12.09338922	7.62		
206	148.235	8.481	-12.09695935	7.62		
207	148.27	8.481	-12.09338922	7.62		
208	148.338	8.481	-12.08645296	7.62		
209	148.304	8.481	-12.08992109	7.62		
210	148.373	8.481	-12.08288282	7.62		
211	148.373	8.481	-12.08288282	7.62		
212	148.373	8.481	-12.08288282	7.62		
213	148.407	8.481	-12.07941469	7.62		
214	148.441	8.481	-12.07594656	7.61		
215	148.407	8.481	-12.07941469	7.61		
216	148.441	8.481	-12.07594656	7.61		
217	148.441	8.481	-12.07594656	7.61		
218	148.51	8.481	-12.0689083	7.60		
219	148.544	8.481	-12.06544017	7.61		
220	148.544	8.481	-12.06544017	7.60	-12.09	7.61
221	148.544	8.481	-12.06544017	7.60		
222	148.578	8.481	-12.06197204	7.60		
223	148.578	8.481	-12.06197204	7.59		
224	148.578	8.481	-12.06197204	7.59		
225	148.613	8.481	-12.0584019	7.59		
226	148.647	8.481	-12.05493377	7.59		
227	148.647	8.481	-12.05493377	7.59		
228	148.647	8.481	-12.05493377	7.58		
229	148.647	8.481	-12.05493377	7.58		
230	148.716	8.481	-12.04789551	7.58		
231	148.681	8.481	-12.05146564	7.58		
232	148.75	8.481	-12.04442738	7.58		
233	148.716	8.481	-12.04789551	7.58		
234	148.75	8.481	-12.04442738	7.58		
235	148.75	8.481	-12.04442738	7.57		
236	148.784	8.481	-12.04095925	7.57		
237	148.784	8.481	-12.04095925	7.57		
238	148.784	8.481	-12.04095925	7.57		
239	148.818	8.481	-12.03749112	7.57		
240	148.818	8.481	-12.03749112	7.56	-12.07	7.59
241	148.75	8.481	-12.04442738	7.57		
242	148.407	8.481	-12.07941469	7.56		
243	148.098	8.481	-12.11093387	7.56		
244	147.824	8.481	-12.13888292	7.56		
245	147.858	8.481	-12.13541479	7.56		
246	147.858	8.481	-12.13541479	7.56		
247	147.892	8.481	-12.13194666	7.56		
248	147.961	8.481	-12.1249084	7.56		
249	148.029	8.481	-12.11797214	7.55		
250	148.029	8.481	-12.11797214	7.55		
251	148.064	8.481	-12.114402	7.56		
252	148.098	8.481	-12.11093387	7.59		
253	148.132	8.481	-12.10746574	7.63		
254	148.167	8.481	-12.10389561	7.65		
255	148.235	8.481	-12.09695935	7.65		
256	148.201	8.481	-12.10042748	7.65		
257	148.235	8.481	-12.09695935	7.65		
258	148.304	8.481	-12.08992109	7.64		
259	148.304	8.481	-12.08992109	7.63		
260	148.304	8.481	-12.08992109	7.63		
261	148.338	8.481	-12.08645296	7.63		
262	148.304	8.481	-12.08992109	7.63		
263	148.373	8.481	-12.08288282	7.62		
264	148.373	8.481	-12.08288282	7.62		
265	148.407	8.481	-12.07941469	7.61		
266	148.441	8.481	-12.07594656	7.62		
267	148.441	8.481	-12.07594656	7.61		
268	148.475	8.481	-12.07247843	7.61		
269	148.51	8.481	-12.0689083	7.61		
270	148.51	8.481	-12.0689083	7.61	-12.08	7.60
271	148.51	8.481	-12.0689083	7.60		
272	148.578	8.481	-12.06197204	7.61		

273	148.578	8.481	-12.06197204	7.60		
274	148.613	8.481	-12.0584019	7.60		
275	148.613	8.481	-12.0584019	7.59		
276	148.613	8.481	-12.0584019	7.59		
277	148.613	8.481	-12.0584019	7.59		
278	148.613	8.481	-12.0584019	7.59		
279	148.647	8.481	-12.05493377	7.58		
280	148.681	8.481	-12.05146564	7.58		
281	148.716	8.481	-12.04789551	7.58		
282	148.681	8.481	-12.05146564	7.58		
283	148.716	8.481	-12.04789551	7.58		
284	148.716	8.481	-12.04789551	7.57		
285	148.681	8.481	-12.05146564	7.57		
286	148.716	8.481	-12.04789551	7.57		
287	148.75	8.481	-12.04442738	7.57		
288	148.75	8.481	-12.04442738	7.57		
289	148.75	8.481	-12.04442738	7.57		
290	148.75	8.481	-12.04442738	7.57		
291	148.75	8.481	-12.04442738	7.56		
292	148.784	8.481	-12.04095925	7.57		
293	148.75	8.481	-12.04442738	7.56		
294	148.784	8.481	-12.04095925	7.56		
295	148.818	8.481	-12.03749112	7.57		
296	148.853	8.481	-12.03392099	7.56		
297	148.853	8.481	-12.03392099	7.56		
298	148.818	8.481	-12.03749112	7.56		
299	148.853	8.481	-12.03392099	7.56		
300	148.853	8.481	-12.03392099	7.56	-12.05	7.57
301	148.853	8.481	-12.03392099	7.56		
302	148.853	8.481	-12.03392099	7.56		
303	148.853	8.481	-12.03392099	7.56		
304	148.887	8.481	-12.03045286	7.56		
305	148.853	8.481	-12.03392099	7.55		
306	148.887	8.481	-12.03045286	7.55		
307	148.887	8.481	-12.03045286	7.55		
308	148.887	8.481	-12.03045286	7.55		
309	148.921	8.481	-12.02698473	7.55		
310	148.887	8.481	-12.03045286	7.55		
311	148.921	8.481	-12.02698473	7.55		
312	148.887	8.481	-12.03045286	7.55		
313	148.921	8.481	-12.02698473	7.55		
314	148.956	8.481	-12.02341459	7.55		
315	148.921	8.481	-12.02698473	7.55		
316	148.921	8.481	-12.02698473	7.55		
317	148.921	8.481	-12.02698473	7.55		
318	148.921	8.481	-12.02698473	7.55		
319	148.956	8.481	-12.02341459	7.54		
320	148.956	8.481	-12.02341459	7.55		
321	148.956	8.481	-12.02341459	7.54		
322	148.956	8.481	-12.02341459	7.55		
323	148.956	8.481	-12.02341459	7.54		
324	148.99	8.481	-12.01994646	7.54		
325	148.99	8.481	-12.01994646	7.54		
326	148.99	8.481	-12.01994646	7.54		
327	148.956	8.481	-12.02341459	7.54		
328	148.956	8.481	-12.02341459	7.54		
329	148.99	8.481	-12.01994646	7.54		
330	148.99	8.481	-12.01994646	7.54	-12.03	7.55
331	148.99	8.481	-12.01994646	7.54		
332	149.024	8.481	-12.01647833	7.54		
333	148.99	8.481	-12.01994646	7.54		
334	149.024	8.481	-12.01647833	7.54		
335	149.059	8.481	-12.0129082	7.54		
336	149.024	8.481	-12.01647833	7.54		
337	149.059	8.481	-12.0129082	7.54		
338	149.024	8.481	-12.01647833	7.54		
339	149.024	8.481	-12.01647833	7.54		
340	149.059	8.481	-12.0129082	7.54		
341	149.024	8.481	-12.01647833	7.54		
342	149.024	8.481	-12.01647833	7.53		
343	149.024	8.481	-12.01647833	7.54		
344	149.059	8.481	-12.0129082	7.53		
345	149.024	8.481	-12.01647833	7.53		
346	149.059	8.481	-12.0129082	7.53		
347	149.024	8.481	-12.01647833	7.53		
348	149.059	8.481	-12.0129082	7.53		
349	149.093	8.481	-12.00944007	7.53		
350	149.059	8.481	-12.0129082	7.53		
351	148.921	8.481	-12.02698473	7.53		
352	148.475	8.481	-12.07247843	7.53		
353	148.064	8.481	-12.114402	7.53		
354	147.755	8.481	-12.14592118	7.53		
355	147.446	8.481	-12.17744037	7.53		
356	147.172	8.481	-12.20538941	7.53		
357	146.932	8.481	-12.22987033	7.53		
358	146.726	8.481	-12.25088312	7.53		
359	146.52	8.481	-12.27189591	7.52		
360	146.383	8.481	-12.28587043	7.53	-12.33	7.85

TW1 - WELL RECOVERY VS. TIME - KOLLAARD FILE 240728



Kollaard File: 240728

RECOVERY DATA TW1

							Manual		
t'	t / t'	Abs Pres (kPa)	Temp (°C)	Water Level (m)	Drawdown (m)	Recovery (%)	Water Level (m)	Drawdown (m)	Recovery (%)
1	361	146.177	8.481	-12.30688322	7.82	-3%	-11.82	7.34	6%
2	181.0	150.465	8.481	-11.86949083	7.38	3%	-11.09	6.61	16%
3	121.0	157.462	8.481	-11.15577008	6.67	12%			
4	91.0	163.874	8.481	-10.50172157	6.02	21%	-9.88	5.40	31%
5	73.0	169.701	8.481	-9.907345294	5.42	29%			
6	61.0	174.979	8.481	-9.368969119	4.88	36%	-8.75	4.27	46%
7	52.4	179.879	8.481	-8.869150389	4.38	42%			
8	46.0	184.196	8.481	-8.428799887	3.94	48%	-7.98	3.50	55%
9	41.0	188.033	8.481	-8.037411219	3.55	53%			
10	37.0	191.731	8.481	-7.660201084	3.18	58%	-7.32	2.84	64%
11	33.7	194.745	8.481	-7.352761562	2.87	62%			
12	31.0	197.724	8.481	-7.048892175	2.56	66%	-6.74	2.26	71%
13	28.7	200.155	8.481	-6.800920882	2.32	70%			
14	26.7	202.517	8.481	-6.559987854	2.08	73%	-6.26	1.78	77%
15	25.0	204.434	8.481	-6.364446526	1.88	75%			
16	23.5	206.213	8.481	-6.182981725	1.70	78%	-5.83	1.35	83%
17	22.2	207.959	8.481	-6.004883051	1.52	80%			
18	21.0	209.259	8.481	-5.872278082	1.39	82%	-5.66	1.18	85%
19	19.9	210.457	8.481	-5.750077502	1.27	83%			
20	19.0	211.586	8.481	-5.634915187	1.15	85%	-5.5	1.02	87%
21	18.1	212.647	8.481	-5.526689131	1.04	86%			
22	17.4	213.434	8.481	-5.446412123	0.96	87%			
23	16.7	214.118	8.481	-5.376641508	0.89	88%			
24	16.0	214.905	8.481	-5.2963645	0.81	89%			
25	15.4	215.384	8.481	-5.247504669	0.76	90%	-5.18	0.70	91%
26	14.8	215.932	8.481	-5.191606574	0.71	91%			
27	14.3	216.411	8.481	-5.142746743	0.66	91%			
28	13.9	216.684	8.481	-5.114899699	0.63	92%			
29	13.4	217.095	8.481	-5.072976128	0.59	92%			
30	13.0	217.437	8.481	-5.038090821	0.55	93%	-5.01	0.53	93%
31	12.6	217.574	8.481	-5.024116297	0.54	93%			
32	12.3	217.916	8.481	-4.98923099	0.50	93%			
33	11.9	218.019	8.481	-4.978724596	0.49	94%			
34	11.6	218.327	8.481	-4.947307419	0.46	94%			
35	11.3	218.361	8.481	-4.943839289	0.46	94%	-4.92	0.44	94%
36	11.0	218.6	8.481	-4.919460375	0.43	94%			
37	10.7	218.6	8.481	-4.919460375	0.43	94%			
38	10.5	218.737	8.481	-4.905485852	0.42	94%			
39	10.2	218.874	8.481	-4.891511328	0.41	95%			
40	10.0	218.908	8.481	-4.888043198	0.40	95%	-4.88	0.40	95%
41	9.8	219.045	8.481	-4.874068674	0.39	95%			
42	9.6	219.045	8.481	-4.874068674	0.39	95%			
43	9.4	219.079	8.481	-4.870600544	0.39	95%			
44	9.2	219.216	8.481	-4.856626021	0.37	95%			
45	9.0	219.182	8.481	-4.860094151	0.38	95%	-4.86	0.38	95%

ATTACHMENT C

RESULTS OF LABORATORY TESTING OF WELL WATER SAMPLES

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146 Colonnade Rd, Unit 8, Ottawa, ON K2E 7Y1 (613) 727-5692

OFFICIAL CERTIFICATE OF ANALYSIS : 4065239

WORK REQUEST : 100312221

Report Date : 2024-09-16

Kollaard Associates Inc.
210 Prescott St., Box 189
Kemptville, ON
K0G 1J0
Attention : Colleen Vermeersch

Reception Date : 2024-09-13
Project : 240728
Sampler : NA
PO Number : Not Applicable
Temperature : 17 °C

Analysis	Quantity	External Method
E.Coli and Total Coliforms (DC Plate)	2	Modified from MECP E3407
Heterotrophic Plate Count (mHPC)	2	Modified from SM 9215 D

Criteria :
A : Ontario Regulation 169/03 (Non-Regulated Drinking Water)

Sample status upon receipt :
8019670 8019671
Compliant

Notes :
- All analysis is completed at Eurofins Environment Testing Canada Inc. (Ottawa, Ontario) unless otherwise stated.
- Eurofins Environment Testing Canada Inc. is accredited by CALA, Canadian Association for Laboratory Accreditation to ISO/IEC 17025 for tests which appear on the scope of accreditation. The scope is available at https://directory.cala.ca/
- Please note: Field data, where presented on the report, has been provided by the client and is presented for informational purposes only. Guideline or regulatory limits listed on this report are provided for ease of use (informational purposes) only. Eurofins recommends consulting the official guideline or regulation as required. Unless otherwise stated, measurement uncertainty is not taken into account when determining guideline or regulatory exceedances.

Legend :
RL : Reporting limit
QC : Reference material (QC)
N/A : Not applicable
1 : Results in annex
* : Analysis conducted by external subcontracting
^ : Analysis not accredited

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OFFICIAL CERTIFICATE OF ANALYSIS - RESULTS

Client : Kollaard Associates Inc.
Project : 240728

Reception Date: 2024-09-13

					Eurofins Sample No :	**8019670**	**8019671**			
					Matrix :	Drinking water	Drinking water			
					Sampling Date :	2024-09-12	2024-09-12			
					Client Sample Identification :	TW1-3 hrs	TW1-6 hrs			
Microbiology	**RL**	**Unit**	**Criteria**							
			A	**B**	**C**					
E.Coli and Total Coliforms (DC Plate)										
Escherichia coli (DC)	0	CFU/100mL	0			0	0			
Total Coliforms (DC)	0	CFU/100mL	0			0	0			
Heterotrophic Plate Count (mHPC)	0	CFU/1 mL				17	13			

Approved by :

Jason Kennedy,
Project Manager

eurofins | Environment Testing
146 Colonnade Rd, Unit 8, Ottawa, ON K2E 7Y1 (613) 727-5692

OFFICIAL CERTIFICATE OF ANALYSIS - QUALITY CONTROL

Client : Kollaard Associates Inc.
Project : 240728

Reception Date: 2024-09-13

Parameter	Unit	RL	Blank	QC		Matrix Spike		Duplicate	
				Recovery %	Range %	Recovery %	Range %	RPD %	Range %
E.Coli and Total Coliforms (DC Plate)									
Method : Total Coliforms and E.Coli by MF (Water, DC plate). Internal method: OTT-M-BAC-WI45296.									
Escherichia coli (DC)	CFU/100mL	0	0					-	0-30
Total Coliforms (DC)	CFU/100mL	0	0					-	0-30
Associated Samples : 8019670, 8019671								Prep Date: 2024-09-13 Analysis Date: 2024-09-14	
Method : Heterotrophic Plate Count by MF (mHPC Media). Internal method: OTT-M-BAC-WI45296.									
Heterotrophic Plate Count (mHPC)	CFU/1 mL	0	0					-	0-30
Associated Samples : 8019670, 8019671								Prep Date: 2024-09-13 Analysis Date: 2024-09-15	

Where RPD % is reported as "-" the calculation is not available because one or both of the duplicates is within 5 times the RL.

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DRINKING WATER CHAIN-OF-CUSTODY

146 Colonnade Road, Unit #8, Ottawa, ON, K2E 7Y1 - Phone: 613-727-5692, Fax: 613-727-5222

100312221

Printed On : 2024-09-13 15:20:34

CLIENT INFORMATION		WATERWORKS INFORMATION	
Company: Kollaard Associates Inc.		Waterworks Name:	
Contact: Colleen Vermeersch		Waterworks #:	
Address: 210 Prescott St, Kemptville, On K0G 1J0		Contact:	
Telephone: 613-860-0923 ext230	Fax:	Address:	
Email #1:	#2:	Telephone:	Fax:
Project: 240728		Cell Phone:	
PO #:	Quote #: 170314	Email #1:	#2:

REGULATION/GUIDELINE REQUIRED

- ☐ O. Reg 170
- ☐ O. Reg 170 15.1
- ☑ ODWSOG
- ☑ Private Well
- ☐ None
- ☐ O. Reg 318/319
- ☐ O. Reg 243
- ☐ GCDWQ
- ☐ Other:

TURN-AROUND TIME (Business Days)

- ☐ 1 Day* (100%)
- ☐ 2 Day** (50%)
- ☐ 3-5 Days (25%)
- ☑ 5-7 Days (Standard)

Please contact the laboratory in advance to determine rush availability. Surcharges may apply to rush service. Note that some tests (i.e. O. Reg. 170 Schedule 24 pesticides may take up to 3 weeks to analyze). Please see notes (on reverse) about TAT policies.

The optimal temperature conditions during transport must be less than 10°C. Sample(s) cannot be frozen. Note that for drinking water samples, all exceedances will be reported where (and how) the application legislation requires.

The COC must be complete upon submission of the samples, there will be a $25 surcharge if required information is missing (required fields are shaded in grey).

Sample Details								Sample Analysis Required							Field Measurements			
Sample ID	Date/Time Collected	Sample Type Code (see below)	Resample? Y = Yes N = No	MOE/MOH Reportable? Y = Yes N = No	# of Containers	SPL Code/Watertrax	Sample Location (i.e. Kitchen, POE)	Subdivision parameters	Kollaard Subdivisionbacteria	Kollaard Special Metals	true colour	VOCs inc BTEX	PHC F1-F4		Total Chlorine	Free Chlorine	Field Turbidity	Sample RN# (Lab Use Only)
TW1-3 hrs	09-12 / 12:30	PW	N	N	8		wellhead	✓	✓		✓				-	-	-	80196701
TW1-6 hrs	09-12 / 13:30	PW	N	N	12		wellhead	✓	✓	✓	✓	✓	✓		-	-	-	

Sample Type Codes for Drinking Water: RW = Raw Water, TW = Treated Water at Point of Entry to distribution, TW-NT = Untreated Water at Point of Entry to distribution, DW = Distribution, RP = Residential Plumbing, NRP = Non-Residential Plumbing, S = Standing, F = Flushed, PW = Private Well

	PRINT	SIGN	DATE/TIME	TEMP (°C)
Sampled By:	Shawn Beaton			
Relinquished By:	K. Hallatt S. Situ		9/13/24	16.9
Received By:				

COMMENTS:

Copies: White - Laboratory, Yellow - Sampler

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OFFICIAL CERTIFICATE OF ANALYSIS : 4078438

WORK REQUEST : 100312251

Report Date : 2024-09-20

Kollaard Associates Inc.
210 Prescott St., Box 189
Kemptville, ON
K0G 1J0
Attention : Colleen Vermeersch

Reception Date : 2024-09-13
Project : 240728
Sampler : NA
PO Number : Not Applicable
Temperature : 17 °C

Analysis	Quantity	External Method
Alkalinity (Water, Automated)	2	Modified from SM 2320 B
Ammonia, Total (Water, Colorimetry)	2	Modified from EPA 350.1
Chloride (Water, IC)	2	Modified from SM 4110 B and C
Colour, Apparent (Water, Spectrophotometry)	2	Modified from SM 2120 C
Colour, True (Water, Spectrophotometry)	2	Modified from SM 2120 C
Conductivity (Water, Automated)	2	Modified from SM 2510 B
DOC (Water, IR)	2	Modified from SM 5310 B
Fluoride (Water, Auto/ISE)	2	Modified from SM 4500-F A and 4500-F C
Hardness (Water, Calculation Only)	2	SM 2340 B
Ion Balance (Water, Calculation)	2	Modified from SM1030 E
Lab Filtration (Water, Sample Preparation)	2	Lab Prep
Metals Scan (Water, ICP/MS)	2	Modified from EPA 200.8
Metals Scan (Water, ICP/OES)	2	Modified from SM 3120 B
Nitrate (Water, IC)	2	Modified from SM 4110 B and C
Nitrite (Water, IC)	2	Modified from SM 4110 B and C
pH (25°C) (Water, Automated)	2	Modified from SM 4500-H+ B
PHC F1-BTEX (Water, Calculation)	1	Modified from ON MECP E3421
PHCs F1 (Water, GC-FID)	1	Modified from ON MECP E3421
PHCs F2-F4 (Water, GC-FID)	1	Modified from ON MECP E3421
Phenols (Water, Colorimetry)	2	Modified from EPA 420.2
Sulphate (Water, IC)	2	Modified from SM 4110 B and C
Sulphide (Water, Colorimetry)	2	Modified from SM 4500-S2 D
Tannin and Lignin (Water, Spec)	2	Modified from SM 5550 B
TDS (Estimated)	2	Modified from SM 2510 A
Total Kjeldahl Nitrogen (Water, Colorimetry)	2	Modified from EPA 351.2
Turbidity (Water, Turbidimeter)	2	Modified from SM 2130 B
VOCs (Water, GC/MS)	1	Modified from EPA 8260

Criteria :

A : Ontario Regulation 169/03 (Non-Regulated Drinking Water)

Sample status upon receipt :

8019811 8019812
Compliant

Certificate Comments :

8019812
S2- and Anions MRL was increased due to matrix interference. Ba spike not available due to high native analyte concentration in the mother sample. Sample was subcontracted for DOC analysis.
8019811
S2- and Anions MRL was increased due to matrix interference. Sample was subcontracted for DOC analysis.

Notes :

- All analysis is completed at Eurofins Environment Testing Canada Inc. (Ottawa, Ontario) unless otherwise stated.

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- Eurofins Environment Testing Canada Inc. is accredited by CALA, Canadian Association for Laboratory Accreditation to ISO/IEC 17025 for tests which appear on the scope of accreditation. The scope is available at https://directory.cala.ca/
- Please note: Field data, where presented on the report, has been provided by the client and is presented for informational purposes only. Guideline or regulatory limits listed on this report are provided for ease of use (informational purposes) only. Eurofins recommends consulting the official guideline or regulation as required. Unless otherwise stated, measurement uncertainty is not taken into account when determining guideline or regulatory exceedances.

Legend :

RL : Reporting limit
QC : Reference material (QC)
N/A : Not applicable
1 : Results in annex
* : Analysis conducted by external subcontracting
^ : Analysis not accredited

OFFICIAL CERTIFICATE OF ANALYSIS - EXCEEDENCE SUMMARY

Client : Kollaard Associates Inc.
Project : 240728

Reception Date : 2024-09-13

Eurofins Sample No	Client Sample Identification	Analyte	Result	Units	Exceeded Criteria		
					A	B	C
Chloride (Water, IC)							
8019811	TW1-3 Hrs	Chloride	1280	mg/L	250		
8019812	TW1-6 Hrs	Chloride	1260	mg/L	250		
Colour, Apparent (Water, Spectrophotometry)							
8019811	TW1-3 Hrs	Colour (Apparent)	77	TCU	5		
8019812	TW1-6 Hrs	Colour (Apparent)	85	TCU	5		
Hardness (Water, Calculation Only)							
8019811	TW1-3 Hrs	Hardness as CaCO3 (Calculation)	1020	mg/L	80-100		
8019812	TW1-6 Hrs	Hardness as CaCO3 (Calculation)	1000	mg/L	80-100		
Metals Scan (Water, ICP/MS)							
8019811	TW1-3 Hrs	Barium	1.90	mg/L	1		
8019812	TW1-6 Hrs	Barium	1.89	mg/L	1		
8019811	TW1-3 Hrs	Iron	11.0	mg/L	0.3		
8019812	TW1-6 Hrs	Iron	10.9	mg/L	0.3		
8019811	TW1-3 Hrs	Manganese	0.65	mg/L	0.05		
8019812	TW1-6 Hrs	Manganese	0.63	mg/L	0.05		
Metals Scan (Water, ICP/OES)							
8019811	TW1-3 Hrs	Sodium	505	mg/L	200		
8019812	TW1-6 Hrs	Sodium	486	mg/L	200		
TDS (Estimated)							
8019811	TW1-3 Hrs	TDS (Estimated)^	2640	mg/L	500		
8019812	TW1-6 Hrs	TDS (Estimated)^	2630	mg/L	500		
Turbidity (Water, Turbidimeter)							
8019811	TW1-3 Hrs	Turbidity	>100	NTU	5		
8019812	TW1-6 Hrs	Turbidity	>100	NTU	5		

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OFFICIAL CERTIFICATE OF ANALYSIS - RESULTS

Client : Kollaard Associates Inc.
Project : 240728

Reception Date: 2024-09-13

						Eurofins Sample No :	**8019811**	**8019812**		
						Matrix :	Drinking water	Drinking water		
						Sampling Date :	2024-09-12	2024-09-12		
						Client Sample Identification :	TW1-3 Hrs	TW1-6 Hrs		
Anions	**RL**	**Unit**	**Criteria A**	**B**	**C**					
Chloride	0.5	mg/L	250				1280	1260		
Nitrate (as Nitrogen)	0.1	mg/L	10.0				<1.0	<1.0		
Nitrite (as Nitrogen)	0.1	mg/L	1.0				<1.0	<1.0		
Sulphate	1	mg/L	500				86	85		

						Eurofins Sample No :	**8019811**	**8019812**		
						Matrix :	Drinking water	Drinking water		
						Sampling Date :	2024-09-12	2024-09-12		
						Client Sample Identification :	TW1-3 Hrs	TW1-6 Hrs		
Calculations	**RL**	**Unit**								
Ion Balance (Calculation)^	0.1		0.97	0.96						

						Eurofins Sample No :	**8019811**	**8019812**		
						Matrix :	Drinking water	Drinking water		
						Sampling Date :	2024-09-12	2024-09-12		
						Client Sample Identification :	TW1-3 Hrs	TW1-6 Hrs		
General Chemistry	**RL**	**Unit**	**Criteria A**	**B**	**C**					
Alkalinity (as CaCO3)	5	mg/L	500				307	304		
Colour (Apparent)	2	TCU	5				77	85		
Colour (True)	2	TCU					5	<2		
Conductivity @ 25°C	5	µS/cm					4060	4050		
Dissolved Organic Carbon	0.5	mg/L	5				0.9	0.9		
Fluoride	0.1	mg/L	1.5				0.40	0.41		
Hardness as CaCO3 (Calculation)	1	mg/L	80-100				1020	1000		
pH @ 25°C	1		6.5-8.5				7.68	7.69		
Phenols-4AAP	0.001	mg/L					<0.001	<0.001		
Sulphide (S2-)	0.02	mg/L	0.05				<0.02	<0.02		
Tannin and Lignin	0.1	mg/L					0.4	0.2		
TDS (Estimated)^	5	mg/L	500				2640	2630		
Turbidity	0.1	NTU	5				>100	>100		

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OFFICIAL CERTIFICATE OF ANALYSIS - RESULTS

Client : Kollaard Associates Inc.
Project : 240728

Reception Date: 2024-09-13

					Eurofins Sample No :	**8019811**	**8019812**			
					Matrix :	Drinking water	Drinking water			
					Sampling Date :	2024-09-12	2024-09-12			
					Client Sample Identification :	TW1-3 Hrs	TW1-6 Hrs			
Metals	**RL**	**Unit**	**Criteria A**	**B**	**C**					
Metals Scan (Water, ICP/MS)										
Aluminum	0.01	mg/L	0.1				<0.01			
Antimony	0.0005	mg/L	0.006				<0.0005			
Arsenic	0.001	mg/L	0.01				<0.001			
Barium	0.001	mg/L	1			1.90	1.89			
Beryllium	0.0005	mg/L					<0.0005			
Boron	0.01	mg/L	5				0.04			
Cadmium	0.0001	mg/L	0.005				<0.0001			
Chromium	0.001	mg/L	0.05				<0.001			
Cobalt	0.0002	mg/L					<0.0002			
Copper	0.001	mg/L	1				<0.001			
Iron	0.03	mg/L	0.3			11.0	10.9			
Lead	0.001	mg/L	0.01				<0.001			
Manganese	0.01	mg/L	0.05			0.65	0.63			
Mercury	0.0001	mg/L	0.001				<0.0001			
Molybdenum	0.005	mg/L					<0.005			
Nickel	0.005	mg/L					<0.005			
Selenium	0.001	mg/L	0.05				<0.001			
Silver	0.0001	mg/L					<0.0001			
Strontium	0.001	mg/L					1.13			
Thallium	0.0001	mg/L					<0.0001			
Uranium	0.001	mg/L	0.02				0.002			
Vanadium	0.001	mg/L					<0.001			
Zinc	0.01	mg/L	5				<0.01			
Metals Scan (Water, ICP/OES)										
Calcium	1	mg/L				269	259			
Magnesium	1	mg/L				85	86			
Potassium	1	mg/L				14	14			
Sodium	1	mg/L	200			505	486			

			Eurofins Sample No :	**8019811**	**8019812**				
			Matrix :	Drinking water	Drinking water				
			Sampling Date :	2024-09-12	2024-09-12				
			Client Sample Identification :	TW1-3 Hrs	TW1-6 Hrs				
Nutrients	**RL**	**Unit**							
Ammonia (Total, as Nitrogen)	0.02	mg/L		0.152	0.142				
Total Kjeldahl Nitrogen	0.1	mg/L		0.288	0.295				

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OFFICIAL CERTIFICATE OF ANALYSIS - RESULTS

Client : Kollaard Associates Inc.
Project : 240728

Reception Date: 2024-09-13

		Eurofins Sample No :	**8019812**						
		Matrix :	Drinking water						
		Sampling Date :	2024-09-12						
		Client Sample Identification :	TW1-6 Hrs						
Petroleum Hydrocarbons	**RL**	**Unit**							
F1 minus BTEX	20	ug/L	<20.0						
F1 (C6 to C10)	20	ug/L	<20.0						
PHCs F2-F4 (Water, GC-FID)									
F2 (C10 to C16)	20	ug/L	<20						
F3 (C16 to C34)	50	ug/L	<50						
F4 (C34 to C50)	50	ug/L	<50						
5-alpha-Androstane (surrogate)	1	%	126						

		Eurofins Sample No :	**8019811**	**8019812**					
		Matrix :	Drinking water	Drinking water					
		Sampling Date :	2024-09-12	2024-09-12					
		Client Sample Identification :	TW1-3 Hrs	TW1-6 Hrs					
Sample Preparation	**RL**	**Unit**							
Lab Filtration			Y	Y					

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OFFICIAL CERTIFICATE OF ANALYSIS - RESULTS

Client : Kollaard Associates Inc.
Project : 240728

Reception Date: 2024-09-13

						Eurofins Sample No :	**8019812**			
						Matrix :	Drinking water			
						Sampling Date :	2024-09-12			
						Client Sample Identification :	TW1-6 Hrs			
Volatile Organic Compounds	**RL**	**Unit**	**Criteria**							
			A	**B**	**C**					
VOCs (Water, GC/MS)										
1,1,1,2-Tetrachloroethane	0.5	ug/L				<0.5				
1,1,1-Trichloroethane	0.4	ug/L				<0.4				
1,1,2,2-Tetrachloroethane	0.5	ug/L				<0.5				
1,1,2-Trichloroethane	0.4	ug/L				<0.4				
1,1-Dichloroethane	0.4	ug/L				<0.4				
1,1-Dichloroethene	0.4	ug/L	14			<0.5				
1,2,4-Trichlorobenzene	0.5	ug/L				<0.5				
1,2-Dibromoethane	0.2	ug/L				<0.2				
1,2-Dichlorobenzene	0.4	ug/L	200			<0.4				
1,2-Dichloroethane	0.2	ug/L	5			0.3				
1,2-dichloroethene, cis + trans^	0.5	ug/L				<0.5				
1,2-Dichloropropane	0.5	ug/L				<0.5				
1,3,5-Trimethylbenzene	0.3	ug/L				2.1				
1,3-Dichlorobenzene	0.4	ug/L				<0.4				
1,3-Dichloropropene, cis + trans	0.5	ug/L				<0.5				
1,4-Dichlorobenzene	0.4	ug/L	5			<0.4				
Acetone	5	ug/L				5.7				
Benzene	0.5	ug/L	1			1.0				
Bromodichloromethane	0.3	ug/L				<0.3				
Bromoform	0.4	ug/L				<0.4				
Bromomethane	0.5	ug/L				<0.5				
Carbon tetrachloride	0.2	ug/L	2			<0.2				
Chloroethane	0.2	ug/L				<0.5				
Chloroform	0.5	ug/L				<0.5				
Chloromethane	0.2	ug/L				<0.2				
cis-1,2-Dichloroethene	0.4	ug/L				<0.4				
cis-1,3-Dichloropropene	0.5	ug/L				<0.5				
Dibromochloromethane	0.3	ug/L				<0.3				
Dichlorodifluoromethane	0.5	ug/L				<0.5				
Dichloromethane	4	ug/L	50			<4.0				
Diethyl ether	5	ug/L				<5.0				
Ethylbenzene	0.5	ug/L	140			1.0				
Hexane	5	ug/L				8				
m/p-Xylene	0.4	ug/L				5.3				
Methyl butyl ketone (MBK)	5	ug/L				<5.0				
Methyl ethyl ketone (MEK)	2	ug/L				<2.0				
Methyl isobutyl ketone (MIBK)	5	ug/L				<5.0				
Methyl tert-butyl ether (MTBE)	2	ug/L				<2.0				
Monochlorobenzene	0.5	ug/L	80			<0.5				
o-Xylene	0.4	ug/L				2.1				
Styrene	0.5	ug/L				<0.5				
Tetrachloroethylene (PCE)	0.3	ug/L	10			<0.3				
Toluene	0.4	ug/L	60			25.3				
trans-1,2-dichloroethene	0.4	ug/L				<0.4				

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OFFICIAL CERTIFICATE OF ANALYSIS - RESULTS

Client : Kollaard Associates Inc.
Project : 240728

Reception Date: 2024-09-13

						Eurofins Sample No :	**8019812**			
						Matrix :	Drinking water			
						Sampling Date :	2024-09-12			
						Client Sample Identification :	TW1-6 Hrs			
Volatile Organic Compounds	**RL**	**Unit**	**Criteria**							
			A	**B**	**C**					
trans-1,3-dichloropropene	0.5	ug/L				<0.5				
Trichloroethylene (TCE)	0.3	ug/L	5			<0.3				
Trichlorofluoromethane	0.5	ug/L				<0.5				
Vinyl chloride	0.2	ug/L	1			<0.2				
Xylene (Total)	0.5	ug/L	90			7.4				
1,2-dichloroethane-d4 (surrogate)	0	%				89				
4-bromofluorobenzene (surrogate)	0	%				74				
Toluene-d8 (surrogate)	0	%				96				

Approved by : _____
Emma-Dawn Ferguson, M.Sc.
Environmental Chemist

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OFFICIAL CERTIFICATE OF ANALYSIS - QUALITY CONTROL

Client : Kollaard Associates Inc.
Project : 240728

Reception Date: 2024-09-13

Parameter	Unit	RL	Blank	QC		Matrix Spike		Duplicate	
				Recovery %	Range %	Recovery %	Range %	RPD %	Range %
Alkalinity (Water, Automated)									
Method : Alkalinity (water, titration to pH 4.5, automated). Internal method: OTT-I-AT-WI45398.									
Alkalinity (as CaCO3)	mg/L	5	<5	98	95-105				
Associated Samples : 8019811, 8019812								Prep Date: 2024-09-18 Analysis Date: 2024-09-19	
Ammonia, Total (Water, Colorimetry)									
Method : Ammonia (Water, Colorimetry). Internal method: OTT-I-NUT-WI46201.									
Ammonia (Total, as Nitrogen)	mg/L	0.02	<0.020	102	80-120	119	80-120	3	0-20
Associated Samples : 8019811, 8019812								Prep Date: 2024-09-15 Analysis Date: 2024-09-16	
Chloride (Water, IC)									
Method : Anions (Water, Ion Chromatography). Internal method: OTT-I-IC-WI45985.									
Chloride	mg/L	0.5	<0.5	96	80-120	104	80-120	-	0-20
Associated Samples : 8019811, 8019812								Prep Date: 2024-09-19 Analysis Date: 2024-09-20	
Colour, Apparent (Water, Spectrophotometry)									
Method : Colour (Water, Spectrophotometric). Internal method: OTT-I-SPEC-WI45980.									
Colour (Apparent)	TCU	2	<2	97	39-159			7	0-40
Associated Samples : 8019811, 8019812								Prep Date: 2024-09-16 Analysis Date: 2024-09-16	
Colour, True (Water, Spectrophotometry)									
Method : Colour (Water, Spectrophotometric). Internal method: OTT-I-SPEC-WI45980.									
Colour (True)	TCU	2	<2	97	39-159			-	0-40
Associated Samples : 8019811, 8019812								Prep Date: 2024-09-16 Analysis Date: 2024-09-16	
Conductivity (Water, Automated)									
Method : Conductivity (Water, Autotitrator). Internal Method: OTT-I-AT-WI45398.									
Conductivity @ 25°C	uS/cm	5	<5	101	98-102			0	0-20
Associated Samples : 8019811, 8019812								Prep Date: 2024-09-18 Analysis Date: 2024-09-19	
Fluoride (Water, Auto/ISE)									
Method : Fluoride by autotitrator, ion selective electrode. Internal method: OTT-I-AT-WI45398.									
Fluoride	mg/L	0.1	<0.10	94	90-110				
Associated Samples : 8019811, 8019812								Prep Date: 2024-09-18 Analysis Date: 2024-09-19	

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OFFICIAL CERTIFICATE OF ANALYSIS - QUALITY CONTROL

Client : Kollaard Associates Inc.
Project : 240728

Reception Date: 2024-09-13

Parameter	Unit	RL	Blank	QC		Matrix Spike		Duplicate	
				Recovery %	Range %	Recovery %	Range %	RPD %	Range %
Metals Scan (Water, ICP/MS)									
Method : Metals (Water, ICP/MS). Internal method: AMMTFQE1.									
Aluminum	mg/L	0.01	<0.01	100	80-120	-	70-130	-	0-20
Antimony	mg/L	0.0005	<0.0005	82	80-120	87	70-130	-	0-20
Arsenic	mg/L	0.001	<0.001	97	80-120	-	70-130	-	0-20
Barium	mg/L	0.001	<0.001	100	80-120	-	70-130	-	0-20
Beryllium	mg/L	0.0005	<0.0005	107	80-120	120	70-130	-	0-20
Boron	mg/L	0.01	<0.01	100	80-120	112	70-130	-	0-20
Cadmium	mg/L	0.0001	<0.0001	98	80-120	-	70-130	-	0-20
Chromium	mg/L	0.001	<0.001	90	80-120	-	70-130	-	0-20
Cobalt	mg/L	0.0002	<0.0002	100	80-120	-	70-130	-	0-20
Copper	mg/L	0.001	<0.001	100	80-120	98	70-130	-	0-20
Iron	mg/L	0.03	<0.03	90	80-120	99	70-130	-	0-20
Lead	mg/L	0.001	<0.001	100	80-120	-	70-130	-	0-20
Manganese	mg/L	0.01	<0.01	100	80-120	-	70-130	-	0-20
Mercury	mg/L	0.0001	<0.0001	100	80-120	94	70-130	-	0-20
Molybdenum	mg/L	0.005	<0.005	90	80-120	90	70-130	-	0-20
Nickel	mg/L	0.005	<0.005	100	80-120	-	70-130	-	0-20
Selenium	mg/L	0.001	<0.001	98	80-120	-	70-130	-	0-20
Silver	mg/L	0.0001	<0.0001	104	80-120	96	70-130	-	0-20
Strontium	mg/L	0.001	<0.001	100	80-120	92	70-130	-	0-20
Thallium	mg/L	0.0001	<0.0001	102	80-120	87	70-130	-	0-20
Uranium	mg/L	0.001	<0.001	90	80-120	86	70-130	-	0-20
Vanadium	mg/L	0.001	<0.001	90	80-120	-	70-130	-	0-20
Zinc	mg/L	0.01	<0.01	100	80-120	-	70-130	-	0-20
Associated Samples : 8019811, 8019812								Prep Date: 2024-09-16 Analysis Date: 2024-09-13	
Metals Scan (Water, ICP/OES)									
Method : Metals (Water, ICP/OES). Internal method: OTT-I-MET-WI48491.									
Calcium	mg/L	1	<1	102	86-115	96	70-130	1	0-20
Magnesium	mg/L	1	<1	100	91-109	99	70-130	2	0-20
Potassium	mg/L	1	<1	106	87-113	107	70-130	-	0-20
Sodium	mg/L	1	<1	105	85-115	101	70-130	-	0-20
Associated Samples : 8019811, 8019812								Prep Date: 2024-09-18 Analysis Date: 2024-09-13	
Nitrate (Water, IC)									
Method : Anions (Water, Ion Chromatography). Internal method: OTT-I-IC-WI45985.									
Nitrate (as Nitrogen)	mg/L	0.1	<0.1	99	80-120	99	80-120	1	0-20
Associated Samples : 8019811, 8019812								Prep Date: 2024-09-17 Analysis Date: 2024-09-18	
Nitrite (Water, IC)									
Method : Anions (Water, Ion Chromatography). Internal method: OTT-I-IC-WI45985.									
Nitrite (as Nitrogen)	mg/L	0.1	<0.1	103	80-120	98	80-120	-	0-20
Associated Samples : 8019811, 8019812								Prep Date: 2024-09-17 Analysis Date: 2024-09-18	
pH (25°C) (Water, Automated)									
Method : pH (Water, Automated Meter). Internal method: OTT-I-AT-WI45398.									
pH @ 25°C		1	5.68	100	97-103			0	0-20
Associated Samples : 8019811, 8019812								Prep Date: 2024-09-18 Analysis Date: 2024-09-19	

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OFFICIAL CERTIFICATE OF ANALYSIS - QUALITY CONTROL

Client : Kollaard Associates Inc.
Project : 240728

Reception Date: 2024-09-13

Parameter	Unit	RL	Blank	QC		Matrix Spike		Duplicate	
				Recovery %	Range %	Recovery %	Range %	RPD %	Range %
PHCs F1 (Water, GC-FID)									
Method : Petroleum Hydrocarbons (Water, GC-FID). Internal method: OTT-O-PHC-WI45386.									
F1 (C6 to C10)	ug/L	20	<20	89	70-130	81	70-130	-	0-30
Associated Samples : 8019812								Prep Date: 2024-09-18 Analysis Date: 2024-09-20	
PHCs F2-F4 (Water, GC-FID)									
Method : Petroleum Hydrocarbons (Water, GC-FID). Internal method: OTT-O-PHC-WI45386.									
F2 (C10 to C16)	ug/L	20	<20	108	60-140				
F3 (C16 to C34)	ug/L	50	<50	108	60-140				
F4 (C34 to C50)	ug/L	50	<50	108	60-140				
Associated Samples : 8019812								Prep Date: 2024-09-13 Analysis Date: 2024-09-20	
Phenols (Water, Colorimetry)									
Method : Phenols (Water, Colorimetry). Internal method: OTT-I-4AAP-WI46150.									
Phenols-4AAP	mg/L	0.001	<0.001	111	80-120	104	70-130	0	0-20
Associated Samples : 8019811, 8019812								Prep Date: 2024-09-16 Analysis Date: 2024-09-16	
Sulphate (Water, IC)									
Method : Anions (Water, Ion Chromatography). Internal method: OTT-I-IC-WI45985.									
Sulphate	mg/L	1	<1	90	90-110	94	80-120		
Associated Samples : 8019811, 8019812								Prep Date: 2024-09-17 Analysis Date: 2024-09-18	
Sulphide (Water, Colorimetry)									
Method : Sulphide, S2- (Water, Colorimetry). Internal method: OTT-I-SPEC-WI45931.									
Sulphide (S2-)	mg/L	0.01	<0.01	102	80-120			-	0-20
Associated Samples : 8019811, 8019812								Prep Date: 2024-09-17 Analysis Date: 2024-09-17	
Tannin and Lignin (Water, Spec)									
Method : Tannin and Lignin (Water, Spec), Internal method: OTT-I-SPEC-WI57693.									
Tannin and Lignin	mg/L	0.1	<0.1	96	80-120			-	0-20
Associated Samples : 8019811, 8019812								Prep Date: 2024-09-18 Analysis Date: 2024-09-18	
Total Kjeldahl Nitrogen (Water, Colorimetry)									
Method : TKN (Water, colorimetry). Internal method: OTT-I-NUT-WI46201.									
Total Kjeldahl Nitrogen	mg/L	0.1	<0.100	73	70-130	85	70-130	11	0-20
Associated Samples : 8019811, 8019812								Prep Date: 2024-09-16 Analysis Date: 2024-09-17	
Turbidity (Water, Turbidimeter)									
Method : Turbidity (Water, Turbidimeter). Internal method: OTT-I-TUR-WI46288.									
Turbidity	NTU	0.1	<0.1	104	80-120			3	0-30
Associated Samples : 8019811, 8019812								Prep Date: 2024-09-14 Analysis Date: 2024-09-14	

OFFICIAL CERTIFICATE OF ANALYSIS - QUALITY CONTROL

Client : Kollaard Associates Inc.
Project : 240728

Reception Date: 2024-09-13

Parameter	Unit	RL	Blank	QC		Matrix Spike		Duplicate	
				Recovery %	Range %	Recovery %	Range %	RPD %	Range %
VOCs (Water, GC/MS)									
Method : Volatile Organic Compounds (Water, GC/MS). Internal method: AMVOMSE8.									
1,1,1,2-Tetrachloroethane	ug/L	0.5	<0.5	108	70-130	119	70-130	-	0-30
1,1,1-Trichloroethane	ug/L	0.4	<0.4	121	70-130	104	70-130	-	0-30
1,1,2,2-Tetrachloroethane	ug/L	0.5	<0.5	127	70-130	112	70-130	-	0-30
1,1,2-Trichloroethane	ug/L	0.4	<0.4	86	70-130	121	70-130	-	0-30
1,1-Dichloroethane	ug/L	0.4	<0.4	96	70-130	87	70-130	-	0-30
1,1-Dichloroethene	ug/L	0.4	<0.4	104	70-130	96	70-130	-	0-30
1,2,4-Trichlorobenzene	ug/L	0.5	<0.5	112	70-130	123	70-130	-	0-30
1,2-Dibromoethane	ug/L	0.2	<0.2	112	70-130	123	70-130	-	0-30
1,2-Dichlorobenzene	ug/L	0.4	<0.4	114	70-130	75	70-130	-	0-30
1,2-Dichloroethane	ug/L	0.2	<0.2	106	70-130	90	70-130	-	0-30
1,2-dichloroethene, cis + trans^	ug/L	0.5	<0.5				-		-
1,2-Dichloropropane	ug/L	0.5	<0.5	88	70-130	108	70-130	-	0-30
1,3,5-Trimethylbenzene	ug/L	0.3	<0.3	97	70-130	92	70-130	-	0-30
1,3-Dichlorobenzene	ug/L	0.4	<0.4	113	70-130	124	70-130	-	0-30
1,3-Dichloropropene, cis + trans	ug/L	0.5	<0.5				-		-
1,4-Dichlorobenzene	ug/L	0.4	<0.4	115	70-130	88	70-130	-	0-30
Acetone	ug/L	5	<5	109	70-130	64	70-130	-	0-30
Benzene	ug/L	0.5	<0.5	114	70-130	100	70-130	-	0-30
Bromodichloromethane	ug/L	0.3	<0.3	127	70-130	103	70-130	-	0-30
Bromoform	ug/L	0.4	<0.4	120	70-130	108	70-130	-	0-30
Bromomethane	ug/L	0.5	<0.5	119	70-130	115	70-130	-	0-30
Carbon tetrachloride	ug/L	0.2	<0.2	108	70-130	121	70-130	-	0-30
Chloroethane	ug/L	0.2	<0.2	97	70-130	93	70-130	-	0-30
Chloroform	ug/L	0.5	<0.5	123	70-130	97	70-130	-	0-30
Chloromethane	ug/L	0.2	<0.2	114	70-130	114	70-130	-	0-30
cis-1,2-Dichloroethene	ug/L	0.4	<0.4	111	70-130	86	70-130	-	0-30
cis-1,3-Dichloropropene	ug/L	0.5	<0.5	106	70-130	78	70-130	-	0-30
Dibromochloromethane	ug/L	0.3	<0.3	109	70-130	106	70-130	-	0-30
Dichlorodifluoromethane	ug/L	0.5	<0.5	103	70-130	115	70-130	-	0-30
Dichloromethane	ug/L	4	<4	124	70-130	112	70-130	-	0-30
Diethyl ether	ug/L	5	<5	83	70-130	143	70-130	-	0-30
Ethylbenzene	ug/L	0.5	<0.5	91	70-130	95	70-130	-	0-30
Hexane	ug/L	5	<5	79	70-130	18	70-130	-	0-30
m/p-Xylene	ug/L	0.4	<0.4	53	70-130	22	70-130	-	0-30
Methyl butyl ketone (MBK)	ug/L	5	<5	109	70-130	124	70-130	-	0-30
Methyl ethyl ketone (MEK)	ug/L	2	<2	111	70-130	78	70-130	-	0-30
Methyl isobutyl ketone (MIBK)	ug/L	5	<5	128	70-130	84	70-130	-	0-30
Methyl tert-butyl ether (MTBE)	ug/L	2	<2	106	70-130	102	70-130	-	0-30
Monochlorobenzene	ug/L	0.5	<0.5	107	70-130	113	70-130	-	0-30
o-Xylene	ug/L	0.4	<0.4	114	70-130	97	70-130	-	0-30
Styrene	ug/L	0.5	<0.5	122	70-130	102	70-130	-	0-30
Tetrachloroethylene (PCE)	ug/L	0.3	<0.3	116	70-130	89	70-130	-	0-30
Toluene	ug/L	0.4	<0.4	109	70-130	-139	70-130	-	0-30
trans-1,2-dichloroethene	ug/L	0.4	<0.4	116	70-130	120	70-130	-	0-30
trans-1,3-dichloropropene	ug/L	0.5	<0.5	114	70-130	82	70-130	-	0-30
Trichloroethylene (TCE)	ug/L	0.3	<0.3	127	70-130	76	70-130	-	0-30
Trichlorofluoromethane	ug/L	0.5	<0.5	95	70-130	124	70-130	-	0-30

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OFFICIAL CERTIFICATE OF ANALYSIS - QUALITY CONTROL

Client : Kollaard Associates Inc.
Project : 240728

Reception Date: 2024-09-13

Parameter	Unit	RL	Blank	QC		Matrix Spike		Duplicate	
				Recovery %	Range %	Recovery %	Range %	RPD %	Range %
VOCs (Water, GC/MS)									
Method : Volatile Organic Compounds (Water, GC/MS). Internal method: AMVOMSE8.									
Vinyl chloride	ug/L	0.2	<0.2	87	70-130	107	70-130	-	0-30
Xylene (Total)	ug/L	0.5	<0.5				-		-
Associated Samples : 8019812								Prep Date: 2024-09-18 Analysis Date: 2024-09-19	

Where RPD % is reported as "-" the calculation is not available because one or both of the duplicates is within 5 times the RL.

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DRINKING WATER CHAIN-OF-CUSTODY

146 Colonnade Road, Unit #8, Ottawa, ON, K2E 7Y1 - Phone: 613-727-5692, Fax: 613-727-5222

100312251

Printed On : 2024-09-13 15:55:16

CLIENT INFORMATION		WATERWORKS INFORMATION	
Company: Kollaard Associates Inc.		Waterworks Name:	
Contact: Colleen Vermeersch		Waterworks #:	
Address: 210 Prescott St, Kemptville, On K0G 1J0		Contact:	
Telephone: 613-860-0923 ext230	Fax:	Address:	
Email #1:	#2:	Telephone:	Fax:
Project: 240728		Cell Phone:	
PO #:	Quote #: 170314	Email #1:	#2:

REGULATION/GUIDELINE REQUIRED

☐ O. Reg 170 ☐ O. Reg 170 15.1 ☑ ODWSOG ☑ Private Well ☐ None
☐ O. Reg 318/319 ☐ O. Reg 243 ☐ GCDWQ ☐ Other:

TURN-AROUND TIME (Business Days)

☐ 1 Day* (100%) ☐ 2 Day** (50%) ☐ 3-5 Days (25%) ☑ 5-7 Days (Standard)

Please contact the laboratory in advance to determine rush availability. Surcharges may apply to rush service. Note that some tests (i.e. O. Reg. 170 Schedule 24 pesticides may take up to 3 weeks to analyze). Please see notes (on reverse) about TAT policies.

The optimal temperature conditions during transport must be less than 10°C. Sample(s) cannot be frozen. Note that for drinking water samples, all exceedances will be reported where (and how) the application legislation requires.
The COC must be complete upon submission of the samples, there will be a $25 surcharge if required information is missing (required fields are shaded in grey).

Sample Details									Sample Analysis Required							Field Measurements			
Sample ID	Date/Time Collected	Sample Type Code (see below)	Resample? Y = Yes N = No	MDE/MOH Reportable? Y = Yes N = No	# of Containers	SPL Code/Watertrax	Sample Location (i.e. Kitchen, POE)	Subdivision parameters	Kollaard Subdivisionbacteria	Kollaard Special Metals	true colour	VOCs inc BTEX	PHC F1-F4		Total Chlorine	Free Chlorine	Field Turbidity	Sample RN# (Lab Use Only)
TW1-3 hrs	09-12 / 12:30	PW	N	N	8		wellhead	✓	✓		✓				-	-	-	8019811
TW1-6 hrs	09-12 / 13:30	PW	N	N	12		wellhead	✓	✓	✓	✓	✓	✓		-	-	-	12

Sample Type Codes for Drinking Water: RW = Raw Water, TW = Treated Water at Point of Entry to distribution, TW-NT = Untreated Water at Point of Entry to distribution, DW = Distribution, RP = Residential Plumbing, NRP = Non-Residential Plumbing, S = Standing, F = Flushed, PW = Private Well

	PRINT	SIGN	DATE/TIME	TEMP (°C)	COMMENTS:
Sampled By:	Shawn Beaton				
Relinquished By:	K. Hallett S. Situ				
Received By:			9/13/24 11:45	16.9	

Copies: White - Laboratory, Yellow - Sampler

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OFFICIAL CERTIFICATE OF ANALYSIS : 4105085

WORK REQUEST : 100315899

Report Date : 2024-10-03

Kollaard Associates Inc.
210 Prescott St., Box 189
Kemptville, ON
K0G 1J0
Attention : Colleen Vermeersch

Reception Date : 2024-09-26
Project : 240728
Sampler : NA
PO Number : Not Applicable
Temperature : 15 °C

Analysis	Quantity	External Method
Alkalinity (Water, Automated)	1	Modified from SM 2320 B
Ammonia, Total (Water, Colorimetry)	1	Modified from EPA 350.1
BTEX (Water, GC/MS)	1	Modified from EPA 8260
Chloride (Water, IC)	1	Modified from SM 4110 B and C
Colour, Apparent (Water, Spectrophotometry)	1	Modified from SM 2120 C
Colour, True (Water, Spectrophotometry)	1	Modified from SM 2120 C
Conductivity (Water, Automated)	1	Modified from SM 2510 B
DOC (Water, IR)	1	Modified from SM 5310 B
Fluoride (Water, Auto/ISE)	1	Modified from SM 4500-F A and 4500-F C
Hardness (Water, Calculation Only)	1	SM 2340 B
Ion Balance (Water, Calculation)	1	Modified from SM1030 E
Metals Scan (Water, ICP/MS)	1	Modified from EPA 200.8
Metals Scan (Water, ICP/OES)	1	Modified from SM 3120 B
Nitrate (Water, IC)	1	Modified from SM 4110 B and C
Nitrite (Water, IC)	1	Modified from SM 4110 B and C
pH (25°C) (Water, Automated)	1	Modified from SM 4500-H+ B
Phenols (Water, Colorimetry)	1	Modified from EPA 420.2
Sulphate (Water, IC)	1	Modified from SM 4110 B and C
Sulphide (Water, Colorimetry)	1	Modified from SM 4500-S2 D
Tannin and Lignin (Water, Spec)	1	Modified from SM 5550 B
TDS (Estimated)	1	Modified from SM 2510 A
Total Kjeldahl Nitrogen (Water, Colorimetry)	1	Modified from EPA 351.2
Turbidity (Water, Turbidimeter)	1	Modified from SM 2130 B

Criteria :
A : Ontario Regulation 169/03 (Non-Regulated Drinking Water)

Sample status upon receipt :
8063467
Compliant

Certificate Comments :
8063467
Anions and S2- MRL increase due to matrix interference. Hg and Ag spike not available due to matrix interference in the mother sample.

Notes :
- All analysis is completed at Eurofins Environment Testing Canada Inc. (Ottawa, Ontario) unless otherwise stated.
- Eurofins Environment Testing Canada Inc. is accredited by CALA, Canadian Association for Laboratory Accreditation to ISO/IEC 17025 for tests which appear on the scope of accreditation. The scope is available at https://directory.cala.ca/
- Please note: Field data, where presented on the report, has been provided by the client and is presented for informational purposes only. Guideline or regulatory limits listed on this report are provided for ease of use (informational purposes) only. Eurofins recommends consulting the official guideline or regulation as required. Unless otherwise stated, measurement uncertainty is not taken into account when determining guideline or regulatory exceedances.

Legend :
RL : Reporting limit
QC : Reference material (QC)
N/A : Not applicable
1 : Results in annex
* : Analysis conducted by external subcontracting
^ : Analysis not accredited

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OFFICIAL CERTIFICATE OF ANALYSIS - EXCEEDENCE SUMMARY

Client : Kollaard Associates Inc.
Project : 240728

Reception Date : 2024-09-26

Eurofins Sample No	Client Sample Identification	Analyte	Result	Units	Exceeded Criteria		
					A	B	C
Chloride (Water, IC)							
8063467	2742 Dubrobin Rd	Chloride	1220	mg/L	250		
Colour, Apparent (Water, Spectrophotometry)							
8063467	2742 Dubrobin Rd	Colour (Apparent)	16	TCU	5		
Hardness (Water, Calculation Only)							
8063467	2742 Dubrobin Rd	Hardness as CaCO3 (Calculation)	966	mg/L	80-100		
Metals Scan (Water, ICP/MS)							
8063467	2742 Dubrobin Rd	Barium	1.76	mg/L	1		
8063467	2742 Dubrobin Rd	Iron	31.0	mg/L	0.3		
8063467	2742 Dubrobin Rd	Manganese	1.02	mg/L	0.05		
Metals Scan (Water, ICP/OES)							
8063467	2742 Dubrobin Rd	Sodium	504	mg/L	200		
Nitrite (Water, IC)							
8063467	2742 Dubrobin Rd	Nitrite (as Nitrogen)	<2.0	mg/L	1.0		
TDS (Estimated)							
8063467	2742 Dubrobin Rd	TDS (Estimated)^	2650	mg/L	500		
Turbidity (Water, Turbidimeter)							
8063467	2742 Dubrobin Rd	Turbidity	>100	NTU	5		

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OFFICIAL CERTIFICATE OF ANALYSIS - RESULTS

Client : Kollaard Associates Inc.
Project : 240728

Reception Date: 2024-09-26

					Eurofins Sample No :	**8063467**				
					Matrix :	Drinking water				
					Sampling Date :	2024-09-26				
					Client Sample Identification :	2742 Dubrobin Rd				
Anions	**RL**	**Unit**	**Criteria A**	**B**	**C**					
Chloride	0.5	mg/L	250			1220				
Nitrate (as Nitrogen)	0.1	mg/L	10.0			<2.0				
Nitrite (as Nitrogen)	0.1	mg/L	1.0			<2.0				
Sulphate	1	mg/L	500			87				

			Eurofins Sample No :	**8063467**						
			Matrix :	Drinking water						
			Sampling Date :	2024-09-26						
			Client Sample Identification :	2742 Dubrobin Rd						
Calculations	**RL**	**Unit**								
Ion Balance (Calculation)^	0.1		1.00							

					Eurofins Sample No :	**8063467**				
					Matrix :	Drinking water				
					Sampling Date :	2024-09-26				
					Client Sample Identification :	2742 Dubrobin Rd				
General Chemistry	**RL**	**Unit**	**Criteria A**	**B**	**C**					
Alkalinity (as CaCO3)	5	mg/L	500			270				
Colour (Apparent)	2	TCU	5			16				
Colour (True)	2	TCU				<2				
Conductivity @ 25°C	5	µS/cm				4080				
Dissolved Organic Carbon	0.5	mg/L	5			2.7				
Fluoride	0.1	mg/L	1.5			0.38				
Hardness as CaCO3 (Calculation)	1	mg/L	80-100			966				
pH @ 25°C	1		6.5-8.5			7.48				
Phenols-4AAP	0.001	mg/L				<0.001				
Sulphide (S2-)	0.05	mg/L	0.05			<0.05				
Tannin and Lignin	0.1	mg/L				0.3				
TDS (Estimated)^	5	mg/L	500			2650				
Turbidity	0.1	NTU	5			>100				

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OFFICIAL CERTIFICATE OF ANALYSIS - RESULTS

Client : Kollaard Associates Inc.
Project : 240728

Reception Date: 2024-09-26

					Eurofins Sample No :	**8063467**				
					Matrix :	Drinking water				
					Sampling Date :	2024-09-26				
					Client Sample Identification :	2742 Dubrobin Rd				
Metals	**RL**	**Unit**	**Criteria A**	**Criteria B**	**Criteria C**					
Metals Scan (Water, ICP/MS)										
Aluminum	0.01	mg/L	0.1			<0.01				
Antimony	0.0005	mg/L	0.006			<0.0005				
Arsenic	0.001	mg/L	0.01			<0.001				
Barium	0.001	mg/L	1			1.76				
Beryllium	0.0005	mg/L				<0.0005				
Boron	0.01	mg/L	5			0.03				
Cadmium	0.0001	mg/L	0.005			<0.0001				
Chromium	0.001	mg/L	0.05			<0.001				
Cobalt	0.0002	mg/L				<0.0002				
Copper	0.001	mg/L	1			<0.001				
Iron	0.03	mg/L	0.3			31.0				
Lead	0.001	mg/L	0.01			<0.001				
Manganese	0.01	mg/L	0.05			1.02				
Mercury	0.0001	mg/L	0.001			<0.0001				
Molybdenum	0.005	mg/L				<0.005				
Nickel	0.005	mg/L				<0.005				
Selenium	0.001	mg/L	0.05			<0.001				
Silver	0.0001	mg/L				<0.0001				
Strontium	0.001	mg/L				1.16				
Thallium	0.0001	mg/L				<0.0001				
Uranium	0.001	mg/L	0.02			<0.001				
Vanadium	0.001	mg/L				<0.001				
Zinc	0.01	mg/L	5			<0.01				
Metals Scan (Water, ICP/OES)										
Calcium	1	mg/L				245				
Magnesium	1	mg/L				86				
Potassium	1	mg/L				14				
Sodium	1	mg/L	200			504				

			Eurofins Sample No :	**8063467**						
			Matrix :	Drinking water						
			Sampling Date :	2024-09-26						
			Client Sample Identification :	2742 Dubrobin Rd						
Nutrients	**RL**	**Unit**								
Ammonia (Total, as Nitrogen)	0.02	mg/L	0.167							
Total Kjeldahl Nitrogen	0.1	mg/L	0.500							

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OFFICIAL CERTIFICATE OF ANALYSIS - RESULTS

Client : Kollaard Associates Inc.
Project : 240728

Reception Date: 2024-09-26

						Eurofins Sample No :	**8063467**			
						Matrix :	Drinking water			
						Sampling Date :	2024-09-26			
						Client Sample Identification :	2742 Dubrobin Rd			
Volatile Organic Compounds	**RL**	**Unit**	**Criteria**							
			A	**B**	**C**					
BTEX (Water, GC/MS)										
Benzene	0.5	ug/L	1				<0.5			
Ethylbenzene	0.5	ug/L	140				<0.5			
m/p-Xylene	0.4	ug/L					<0.4			
o-Xylene	0.4	ug/L					<0.4			
Toluene	0.4	ug/L	60				<0.4			
Xylene (Total)	0.5	ug/L	90				<0.5			
Toluene-d8 (surrogate)	0	%					81			

Approved by : _____
Emma-Dawn Ferguson, M.Sc.
Environmental Chemist

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OFFICIAL CERTIFICATE OF ANALYSIS - QUALITY CONTROL

Client : Kollaard Associates Inc.
Project : 240728

Reception Date: 2024-09-26

Parameter	Unit	RL	Blank	QC		Matrix Spike		Duplicate	
				Recovery %	Range %	Recovery %	Range %	RPD %	Range %
Alkalinity (Water, Automated)									
Method : Alkalinity (water, titration to pH 4.5, automated). Internal method: OTT-I-AT-WI45398.									
Alkalinity (as CaCO3)	mg/L	5	<5	98	95-105			0	0-20
Associated Samples : 8063467								Prep Date: 2024-09-27 Analysis Date: 2024-09-30	
Ammonia, Total (Water, Colorimetry)									
Method : Ammonia (Water, Colorimetry). Internal method: OTT-I-NUT-WI46201.									
Ammonia (Total, as Nitrogen)	mg/L	0.02	<0.020	112	80-120	112	80-120	-	0-20
Associated Samples : 8063467								Prep Date: 2024-09-29 Analysis Date: 2024-10-01	
BTEX (Water, GC/MS)									
Method : Volatile Organic Compounds (Water, GC/MS). Internal method: AMVOMSE8.									
Benzene	ug/L	0.5	<0.5	92	70-130	74	70-130	-	0-30
Ethylbenzene	ug/L	0.5	<0.5	84	70-130	80	70-130	-	0-30
m/p-Xylene	ug/L	0.4	<0.4	89	70-130	82	70-130	-	0-30
o-Xylene	ug/L	0.4	<0.4	85	70-130	83	70-130	-	0-30
Toluene	ug/L	0.4	<0.4	90	70-130	74	70-130	-	0-30
Xylene (Total)	ug/L	0.5	<0.5				-		-
Associated Samples : 8063467								Prep Date: 2024-09-30 Analysis Date: 2024-10-03	
Chloride (Water, IC)									
Method : Anions (Water, Ion Chromatography). Internal method: OTT-I-IC-WI45985.									
Chloride	mg/L	0.5	<0.5	92	80-120	94	80-120	-	0-20
Associated Samples : 8063467								Prep Date: 2024-09-30 Analysis Date: 2024-10-01	
Colour, Apparent (Water, Spectrophotometry)									
Method : Colour (Water, Spectrophotometric). Internal method: OTT-I-SPEC-WI45980.									
Colour (Apparent)	TCU	2	<2	89	39-159			12	0-40
Associated Samples : 8063467								Prep Date: 2024-10-02 Analysis Date: 2024-10-02	
Colour, True (Water, Spectrophotometry)									
Method : Colour (Water, Spectrophotometric). Internal method: OTT-I-SPEC-WI45980.									
Colour (True)	TCU	2	<2	89	39-159			-	0-40
Associated Samples : 8063467								Prep Date: 2024-10-02 Analysis Date: 2024-10-02	
Conductivity (Water, Automated)									
Method : Conductivity (Water, Autotitrator). Internal Method: OTT-I-AT-WI45398.									
Conductivity @ 25°C	uS/cm	5	<5	101	98-102				
Associated Samples : 8063467								Prep Date: 2024-09-27 Analysis Date: 2024-09-30	
DOC (Water, IR)									
Method : Organic carbon (water, IR, combustion). Internal method: OTT-I-DEM-WI46148.									
Dissolved Organic Carbon	mg/L	0.5	<0.5	100	84-116	85	80-120	-	0-15
Associated Samples : 8063467								Prep Date: 2024-09-30 Analysis Date: 2024-10-01	
Fluoride (Water, Auto/ISE)									
Method : Fluoride by autotitrator, ion selective electrode. Internal method: OTT-I-AT-WI45398.									
Fluoride	mg/L	0.1	<0.10	99	90-110				
Associated Samples : 8063467								Prep Date: 2024-09-27 Analysis Date: 2024-09-30	

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OFFICIAL CERTIFICATE OF ANALYSIS - QUALITY CONTROL

Client : Kollaard Associates Inc.
Project : 240728

Reception Date: 2024-09-26

Parameter	Unit	RL	Blank	QC		Matrix Spike		Duplicate	
				Recovery %	Range %	Recovery %	Range %	RPD %	Range %
Metals Scan (Water, ICP/MS)									
Method : Metals (Water, ICP/MS). Internal method: AMMTFQE1.									
Aluminum	mg/L	0.01	<0.01	100	80-120	-	70-130	-	0-20
Antimony	mg/L	0.0005	<0.0005	84	80-120	89	70-130	-	0-20
Arsenic	mg/L	0.001	<0.001	96	80-120	105	70-130	-	0-20
Barium	mg/L	0.001	<0.001	90	80-120	98	70-130	-	0-20
Beryllium	mg/L	0.0005	<0.0005	104	80-120	116	70-130	-	0-20
Boron	mg/L	0.01	<0.01	100	80-120	109	70-130	-	0-20
Cadmium	mg/L	0.0001	<0.0001	100	80-120	96	70-130	-	0-20
Chromium	mg/L	0.001	<0.001	100	80-120	107	70-130	-	0-20
Cobalt	mg/L	0.0002	<0.0002	100	80-120	97	70-130	-	0-20
Copper	mg/L	0.001	<0.001	100	80-120	89	70-130	0	0-20
Iron	mg/L	0.03	<0.03	100	80-120	102	70-130	-	0-20
Lead	mg/L	0.001	<0.001	100	80-120	86	70-130	-	0-20
Manganese	mg/L	0.01	<0.01	100	80-120	100	70-130	-	0-20
Mercury	mg/L	0.0001	<0.0001	107	80-120			-	0-20
Molybdenum	mg/L	0.005	<0.005	90	80-120	101	70-130	-	0-20
Nickel	mg/L	0.005	<0.005	100	80-120	99	70-130	-	0-20
Selenium	mg/L	0.001	<0.001	95	80-120	94	70-130	-	0-20
Silver	mg/L	0.0001	<0.0001	85	80-120			-	0-20
Strontium	mg/L	0.001	<0.001	90	80-120	96	70-130	0	0-20
Thallium	mg/L	0.0001	<0.0001	101	80-120	85	70-130	-	0-20
Uranium	mg/L	0.001	<0.001	90	80-120	91	70-130	-	0-20
Vanadium	mg/L	0.001	<0.001	100	80-120	109	70-130	-	0-20
Zinc	mg/L	0.01	<0.01	100	80-120	87	70-130	-	0-20
Associated Samples : 8063467								Prep Date: 2024-09-30 Analysis Date: 2024-10-01	
Metals Scan (Water, ICP/OES)									
Method : Metals (Water, ICP/OES). Internal method: OTT-I-MET-WI48491.									
Calcium	mg/L	1	<1	101	86-115	78	70-130	1	0-20
Magnesium	mg/L	1	<1	98	91-109	107	70-130	1	0-20
Potassium	mg/L	1	<1	110	87-113	112	70-130	-	0-20
Sodium	mg/L	1	<1	107	85-115	108	70-130	0	0-20
Associated Samples : 8063467								Prep Date: 2024-10-02 Analysis Date: 2024-09-26	
Nitrate (Water, IC)									
Method : Anions (Water, Ion Chromatography). Internal method: OTT-I-IC-WI45985.									
Nitrate (as Nitrogen)	mg/L	0.1	<0.1	96	80-120	99	80-120	-	0-20
Associated Samples : 8063467								Prep Date: 2024-09-30 Analysis Date: 2024-10-01	
Nitrite (Water, IC)									
Method : Anions (Water, Ion Chromatography). Internal method: OTT-I-IC-WI45985.									
Nitrite (as Nitrogen)	mg/L	0.1	<0.1	97	80-120				
Associated Samples : 8063467								Prep Date: 2024-09-30 Analysis Date: 2024-10-01	
pH (25°C) (Water, Automated)									
Method : pH (Water, Automated Meter). Internal method: OTT-I-AT-WI45398.									
pH @ 25°C		1	5.75	99	97-103			0	0-20
Associated Samples : 8063467								Prep Date: 2024-09-27 Analysis Date: 2024-09-30	

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OFFICIAL CERTIFICATE OF ANALYSIS - QUALITY CONTROL

Client : Kollaard Associates Inc.
Project : 240728

Reception Date: 2024-09-26

Parameter	Unit	RL	Blank	QC		Matrix Spike		Duplicate	
				Recovery %	Range %	Recovery %	Range %	RPD %	Range %
Phenols (Water, Colorimetry)									
Method : Phenols (Water, Colorimetry). Internal method: OTT-I-4AAP-WI46150.									
Phenols-4AAP	mg/L	0.001	<0.001	114	75-125	118	70-130	-	0-20
Associated Samples : 8063467								Prep Date: 2024-09-27 Analysis Date: 2024-09-27	
Sulphate (Water, IC)									
Method : Anions (Water, Ion Chromatography). Internal method: OTT-I-IC-WI45985.									
Sulphate	mg/L	1	<1	90	90-110	92	80-120	1	0-20
Associated Samples : 8063467								Prep Date: 2024-09-30 Analysis Date: 2024-10-01	
Sulphide (Water, Colorimetry)									
Method : Sulphide, S2- (Water, Colorimetry). Internal method: OTT-I-SPEC-WI45931.									
Sulphide (S2-)	mg/L	0.01	<0.01	100	80-120			-	0-20
Associated Samples : 8063467								Prep Date: 2024-10-03 Analysis Date: 2024-10-03	
Tannin and Lignin (Water, Spec)									
Method : Tannin and Lignin (Water, Spec), Internal method: OTT-I-SPEC-WI57693.									
Tannin and Lignin	mg/L	0.1	<0.1	92	80-120			-	0-20
Associated Samples : 8063467								Prep Date: 2024-09-30 Analysis Date: 2024-09-30	
Total Kjeldahl Nitrogen (Water, Colorimetry)									
Method : TKN (Water, colorimetry). Internal method: OTT-I-NUT-WI46201.									
Total Kjeldahl Nitrogen	mg/L	0.1	<0.100	98	70-130	111	70-130	3	0-20
Associated Samples : 8063467								Prep Date: 2024-09-27 Analysis Date: 2024-09-29	
Turbidity (Water, Turbidimeter)									
Method : Turbidity (Water, Turbidimeter). Internal method: OTT-I-TUR-WI46288.									
Turbidity	NTU	0.1	<0.1	102	80-120			-	0-30
Associated Samples : 8063467								Prep Date: 2024-09-27 Analysis Date: 2024-09-27	

Where RPD % is reported as "-" the calculation is not available because one or both of the duplicates is within 5 times the RL.

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DRINKING WATER CHAIN-OF-CUSTODY

146 Colonnade Road, Unit #8, Ottawa, ON, K2E 7Y1 - Phone: 613-727-5692, Fax: 613-727-5222

100315899

Printed On : 2024-09-26 15:21:41

CLIENT INFORMATION

Company: Kollaard Associates Inc.
Contact: Colleen Vermeersch
Address: 210 Prescott St, Kemptville, On K0G 1J0
Telephone: 613-860-0923 ext230 Fax:
Email #1: #2:
Project: 240728
PO #: Quote #: 170314

WATERWORKS INFORMATION

Waterworks Name:
Waterworks #:
Contact:
Address:
Telephone: Fax:
Cell Phone:
Email #1: #2:

REGULATION/GUIDELINE REQUIRED

☐ O. Reg 170 ☐ O. Reg 170 15.1 ☑ ODWSOG ☑ Private Well ☐ None
☐ O. Reg 318/319 ☐ O. Reg 243 ☐ GCDWQ ☐ Other:

TURN-AROUND TIME (Business Days)

☐ 1 Day* (100%) ☐ 2 Day** (50%) ☐ 3-5 Days (25%) ☑ 5-7 Days (Standard)

Please contact the laboratory in advance to determine rush availability. Surcharges may apply to rush service. Note that some tests (i.e. O. Reg. 170 Schedule 24 pesticides may take up to 3 weeks to analyze). Please see notes (on reverse) about TAT policies.

The optimal temperature conditions during transport must be less than 10°C. Sample(s) cannot be frozen. Note that for drinking water samples, all exceedances will be reported where (and how) the application legislation requires.
The COC must be complete upon submission of the samples, there will be a $25 surcharge if required information is missing (required fields are shaded in grey).

Sample Details								Sample Analysis Required							Field Measurements			
Sample ID	Date/Time Collected	Sample Type Code (see below)	Resample? Y = Yes N = No	MOE/MOH Reportable? Y = Yes N = No	# of Containers	SPL Code/Watertrax	Sample Location (i.e. Kitchen, POE)	Subdivision parameters (except bacteria)		Kollaard Special Metals	BTEX				Total Chlorine	Free Chlorine	Field Turbidity	Sample RN# (Lab Use Only)
2742 Dunrobin rd	Sept 26	PW	N	N	8		wellhead	✓		✓	✓				-	-	-	8063467
															-	--	-	

Sample Type Codes for Drinking Water: RW = Raw Water, TW = Treated Water at Point of Entry to distribution, TW-NT = Untreated Water at Point of Entry to distribution, DW = Distribution, RP = Residential Plumbing, NRP = Non-Residential Plumbing, S = Standing, F = Flushed, PW = Private Well

	PRINT	SIGN	DATE/TIME	TEMP (°C)
Sampled By:	Katie Linton			
Relinquished By:				
Received By:	Shirley Yin	SY	9/26/24 12	15

COMMENTS:

AFCOCDW.8

Copies: White - Laboratory, Yellow - Sampler

Ryznar Stability Index

RSI = 2(pH_s) - pH

RSI << 6 → the scale tendency increases as the index decreases
RSI >> 7 → the calcium carbonate formation probably does not lead to a protective corrosion inhibitor film
RSI >> 8 → mild steel corrosion becomes an increasing problem

Langelier Saturation Index

LSI = pH - pH_s

If LSI is negative → no potential to scale, the water will dissolve $CaCO_3$
If LSI is positive → scale can form and $CaCO_3$ precipitation may occur
If LSI is close to zero → borderline scale potential, water quality or temperature change or evaporation could change the index

where pH measured from sample
pH_s = pH at saturation in calcite or calcium carbonate

$$pH_s = (9.3 + A + B) - (C + D)$$

$$A = \frac{\log_{10}[TDS] - 1}{10}$$

$$B = -13.12 \times \log_{10}(°C + 273) + 34.55$$

$$C = \log_{10}[Ca^{2+} as CaCO_3] - 0.4$$

$$D = \log_{10}[alkalinity as CaCO_3]$$

	TW1-3hr	TW1-6hr	TW1 - Sept 26, 2024
pH	7.68	7.69	7.48
hardness [mg/l as $CaCo_3$]	1020	1000	966
Alkalinity [mg/l as $CaCo_3$]	307	304	270
total dissolved solids [mg/l]	2640	2630	2650
temperature (°C)	17	17	15
→→ RSI	5.70	5.71	6.14
→→ LSI	0.99	0.99	0.67

ATTACHMENT D

SEWAGE EFFLUENT DILUTION CALCULATIONS AND CLIMATE DATA

Sept 2024 240728

SEPTIC EFFLUENT DILUTION CALCULATIONS

Number of Lots	1	
Gross Site Area	4021	m^2
Env. Can. Water Surplus (NPI-silty clay)	312.4	mm

Hard Surface Area (Post-Development)

Roofs	28	
Permeable Parking Lot (asphalt, 0.9 factor)	1332	
Total	1360	m^2

Net Infiltration Area = Gross Site Area - Hard Surface Area (Post-Development)

2661 m^2

Maximum annual sewage flow 82 m^3/year

Infiltration Reduction Factor:

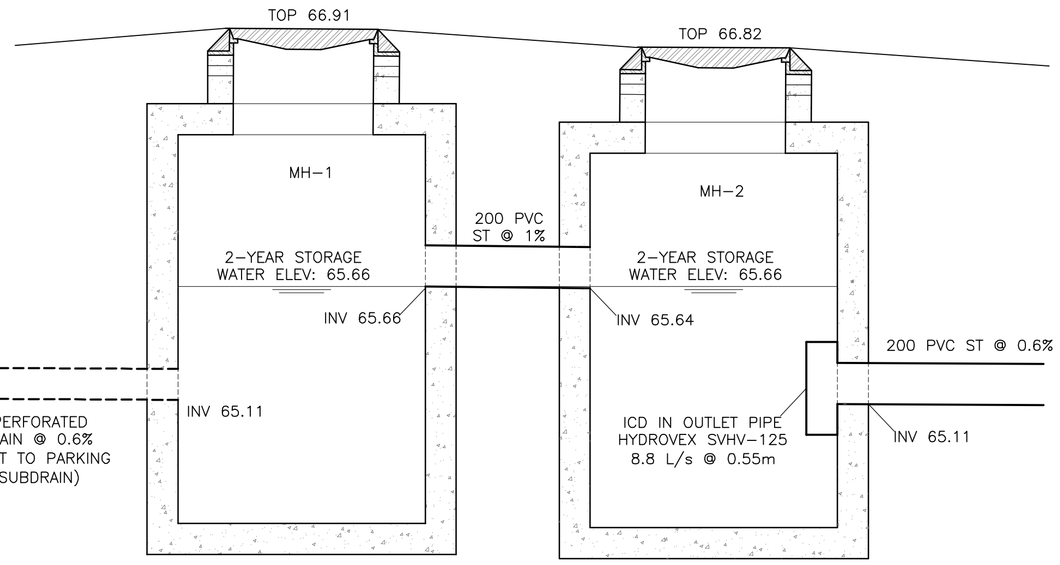
Topography (Rolling)	0.20
Soil (Tight impervious clay)	0.10
Cover (cultivated)	0.10
Total IRF	0.40

Treated Effluent Nitrate Level 40 mg/L

$$\frac{\text{Volume of Effluent Per Year x Nitrate mg/L } NO_3}{\text{Number of Lots x Volume Effluent Per Year + (Net Infiltration Area x NPI x IRF)}} = 7.9 \text{ mg/L } NO_3\text{-N}$$

ATTACHMENT E

SITE PLAN (PROVIDED BY OTHERS)

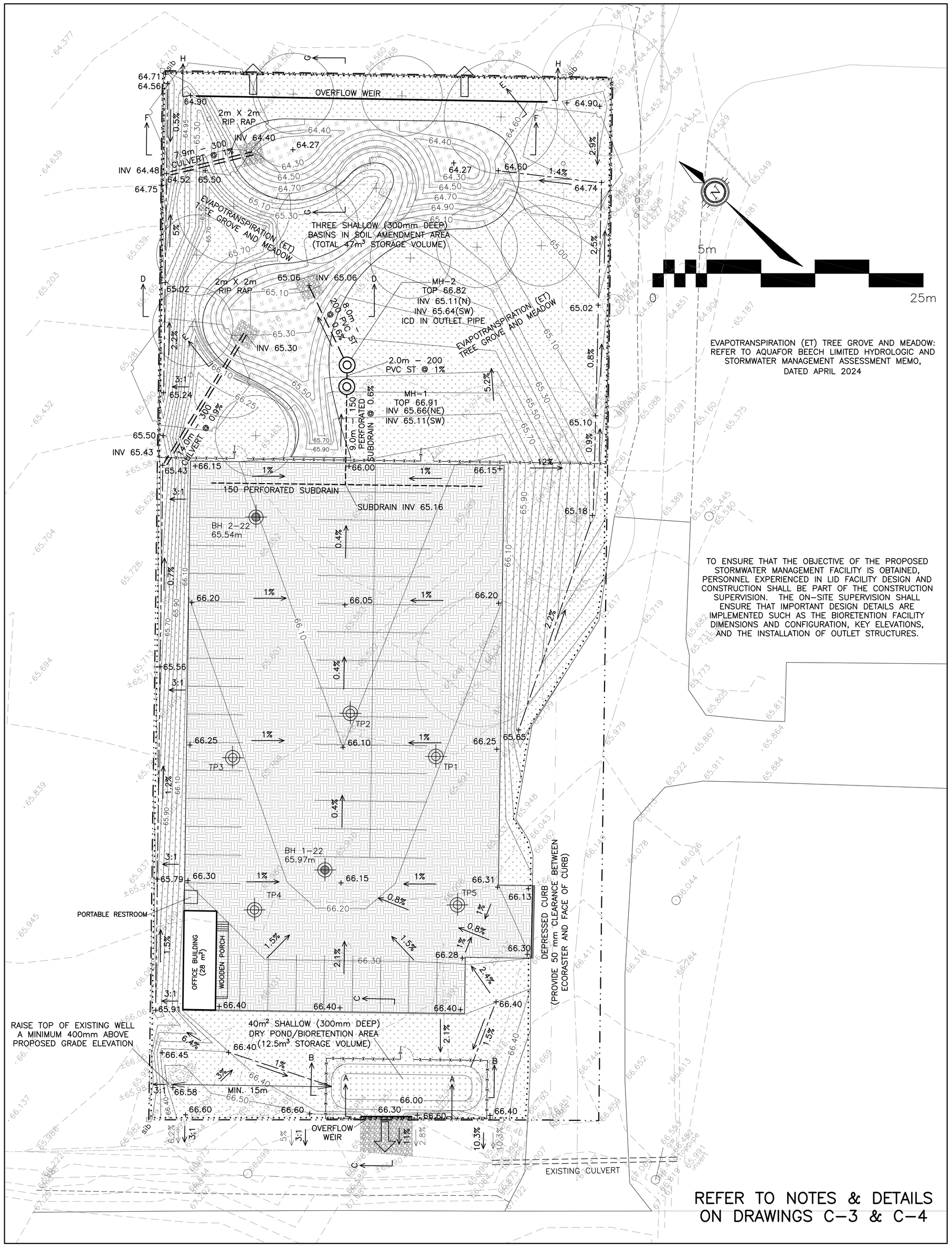


MANHOLES MH–1 & MH–2 DETAIL
N.T.S.

CATCH BASIN & MANHOLE SCHEDULE

(SUBMIT SHOP DRAWINGS OF ALL CATCH BASINS & MANHOLES TO ENGINEER FOR APPROVAL)

REF	TOP	SIZE	TYPE	INVERT AT INLET	INVERT AT OUTLET	NOTES
STORM SEWER						
MH–1	66.91	1200mm	PRECAST CONCRETE MANHOLE	65.11(SW)	65.66(NE)	TO OPSD 701.010 & CITY OF OTTAWA STANDARDS – FRAME & COVER TO CITY OF OTTAWA DRAWING No. S25 & S24.1 OR OPSD 401.010 WITH 600mm SUMP
MH–2	66.82	1200mm	PRECAST CONCRETE MANHOLE	65.64(SW)	65.11(N)	TO OPSD 701.010 & CITY OF OTTAWA STANDARDS – FRAME & COVER TO CITY OF OTTAWA DRAWING No. S25 & S24.1 OR OPSD 401.010 WITH 600mm SUMP



EVAPOTRANSPIRATION (ET) TREE GROVE AND MEADOW: REFER TO AQUAFOR BEECH LIMITED HYDROLOGIC AND STORMWATER MANAGEMENT ASSESSMENT MEMO, DATED APRIL 2024

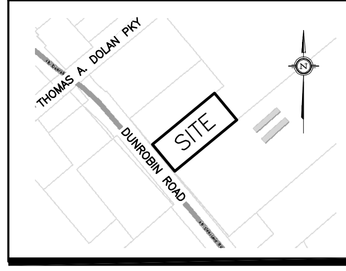
TO ENSURE THAT THE OBJECTIVE OF THE PROPOSED STORMWATER MANAGEMENT FACILITY IS OBTAINED, PERSONNEL EXPERIENCED IN LID FACILITY DESIGN AND CONSTRUCTION SHALL BE PART OF THE CONSTRUCTION SUPERVISION. THE ON–SITE SUPERVISION SHALL ENSURE THAT IMPORTANT DESIGN DETAILS ARE IMPLEMENTED SUCH AS THE BIORETENTION FACILITY DIMENSIONS AND CONFIGURATION, KEY ELEVATIONS, AND THE INSTALLATION OF OUTLET STRUCTURES.

REFER TO NOTES & DETAILS ON DRAWINGS C–3 & C–4

LEGEND

- PROPERTY LINE
- MH — STORM MANHOLE
- ST — STORM SEWER
- INV — INVERT OF PIPE
- BH — BOREHOLE
- TP — TEST PIT
- +99.99 — EXISTING GRADE ELEVATION
- +99.99 — PROPOSED GRADE ELEVATION
- 2% — EXISTING SLOPE OF GRADE
- 2% — PROPOSED SLOPE OF GRADE
- EMERGENCY OVERLAND FLOW
- CENTERLINE OF SWALE
- SILT FENCE BARRIER
- ECORASTER E40 PERMEABLE PAVEMENT
- LANDSCAPE
- SOIL AMENDMENT AREA
- BIORETENTION AREA

KEY PLAN



No.	DATE	REVISION
2	JUN 25–24	ISSUED FOR APPROVAL
1	MAY 24–24	ISSUED FOR REVIEW & COORDINATION

D. B. GRAY ENGINEERING INC.
Stormwater Management · Grading & Drainage · Storm & Sanitary Sewers · Watermains
700 Long Point Circle 613-425-8044
Ottawa, Ontario d.gray@dbgrayengineering.com

Project

2742 DUNROBIN ROAD
OTTAWA, ONTARIO

Drawing Title

GRADING AND EROSION & SEDIMENT CONTROL PLAN

Engineer's Seal

LICENSED PROFESSIONAL ENGINEER
D.B. GRAY
17016502
JUN 25–24
PROVINCE OF ONTARIO
NOT VALID UNLESS SIGNED & DATED

Drawn	D.B.G
H. Scale	1:200
V. Scale	
Date	MAY 24–24
Job No.	21097

Drawing No.
C–1
of 4