October 13, 2022

PH4600-LET.01

Premier Bus Lines Inc. 135 Cardevco Road Ottawa, Ontario K0A 1L0

Attention: Eric Hochgeschurz

PATERSON GROUP

Consulting Engineers

9 Auriga Drive Ottawa, Ontario K2E 7T9 Tel: (613) 226-7381

Geotechnical Engineering Environmental Engineering Hydrogeology Materials Testing Building Science Rural Development Design Retaining Wall Design Noise and Vibration Studies

Subject: Hydrogeological Assessment and Terrain Analysis 135 Cardevco Road Ottawa (Carp), Ontario

patersongroup.ca

INTRODUCTION

Further to your request, Paterson has conducted a Hydrogeological Assessment and Terrain Analysis in support of a Site Plan Control Application for the proposed commercial building renovation located at 135 Cardevco Road in Ottawa (Carp), Ontario.

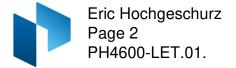
The purpose of this work has been to determine the suitability of the water supply aquifer underlying the site to support the Site Plan Application for a proposed renovation.

The Subject Site consists of a 0.20 ha lot and is currently occupied by a commercial building with associated private infrastructure. The ground surface generally slopes towards the north-east while the general groundwater flow is likely towards the south towards the local watercourse.

The Subject Site is bordered on all sides by commercial properties and fronts onto Cardevco Road to the northeast. The subject site itself and the surrounding commercial areas are zoned RG4 for Rural General Industrial Subzone 4 (GeoOttawa).

A Hydrogeological pre-consultation was completed with a City of Ottawa Hydrogeologist on August 31, 2022. The City Hydrogeologist suggested that additional sampling be completed during the 8 hour pumping test for Petroleum Hydrocarbons (PHC's) in addition to the standard Subdivision Package suite of parameters, trace metals and Volatile Organic Compounds (VOC's) required by the City of Ottawa Hydrogeological and Terrain Analysis Guidelines (HTAG).





DESCRIPTION OF SUBJECT SITE

The subject site is an approximately 0.20 ha lot and is currently occupied by a one story commercial building. The Site Plan application is for a proposed renovation. A portion of the existing building is to be demolished and replaced with a new addition which will be smaller than the existing building. Please refer to Figure-1 Key Plan and Arbaum Architects Drawing A-010, Demolition / New Site Plan dated Jan 21, 2022 attached for the proposed site location and site layout.

The subject site is currently serviced by an onsite sewage system and a private drilled well. A new sewage system is proposed to be located in the same location as the old sewage system. Paterson has completed a replacement sewage system design for the proposed development, due to the nitrate reduction required a part of the Nitrate Impact Assessment (NIA). A septic flow calculation was completed and resulted in a total daily water demand calculation of 1,026 L/day. Please refer to Paterson Drawing PH4600-1(rev.01) – Sewage System Layout Plan dated October 2022 attached for specific details of the new sewage system.

The existing well, hereafter referred to as Test Well 1 (TW1) is the well which is currently servicing the existing building and will continue to service the building following the completion of the proposed renovation.

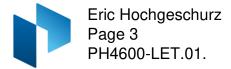
The suitability of the aquifer to supply the subject site was assessed using the methodology provided in City of Ottawa Hydrogeological and Terrain Analysis Guidelines (HTAG).

FIELDWORK PROGRAM

As a means to demonstrate the adequacy of the aquifer underlying the subject lands, with respect to water quality and quantity, the existing drilled well (TW1) on the subject site was tested. TW1 has a Water Well Record (WWR) Well ID of A134668. TW1 has a 152.4 mm diameter steel casing that extends to 6.7 m below ground surface (bgs) with a 0.51 m stick up. The well itself extends to a depth of 30.5 m bgs. Based on available geological mapping, the drift thickness at TW1 varies from 5 to 10 m. Refer to Paterson Drawing PH4600-1(rev.1) – Sewage System Layout Plan, attached, for the approximate location of TW1.

As a means to evaluate the water supply aquifer intercepted by the well, the well was subjected to an 8 hour constant rate pumping test. The pumping test was conducted on September 22, 2022 under the full-time supervision of Paterson personnel. Prior to the pumping test the well was disinfected as per the MECP Disinfection Instruction Sheet (attached), and a data-logger was installed to monitor the background groundwater levels.

The existing submersible pump was used for the 8-hour pumping test. A licensed water well technician (Air Rock) completed the necessary plumbing related activities. The discharge line was placed at a sufficient distance to ensure that the discharge water was



being directed away from the well as well as any septic systems in the area. Upon completion of the test, the system was returned to its normal configuration.

The pumping test was carried out at a pumping rate of 27 L/min for a duration of 8 hours. During the pumping test, the pumping rate was periodically measured using the timed volume correlation method. The pump rate was maintained within 5% of the selected pump rate. The static water level was recorded manually and an electric datalogger (VanEssen TD-Diver) was installed in the test well prior to the start of the pumping test. The selected rate of 27 L/min provides approximately 8.5 times the maximum total daily design volume for the septic system during the 8 hour pumping test. The rate was determined to be representative of a flow rate which would be in excess of what the development would require.

The data logger recorded water levels at 30 second intervals. In addition, manual water level readings were taken at periodic intervals during the test.

Recovery data was collected from the well following the completion of the pumping. The well was noted to have achieved 95% recovery approximately 21 minutes after the completion of pumping.

Groundwater samples were collected at 4 hours and 8 hours after the start of pumping. Prior to collection of the groundwater samples, the free chlorine residual was verified as non-detectable. The water samples were submitted for comprehensive testing of bacteriological, chemical, and physical water quality parameters consistent with the standard "Subdivision Supply" suite of parameters plus trace metals, VOCs, and PHCs.

All samples were collected unfiltered and unchlorinated and were placed directly into clean bottles supplied by the analytical laboratory. Samples were placed immediately into a cooler with ice and were transported directly to Environmental Testing Canada Inc.(Eurofins) laboratory in Ottawa. All samples were received by the laboratory within 24 hours of collection.

A series of field tests of the pumped water were carried out at the well head during the 8 hour pumping test. The parameters tested at the well head included: pH, total dissolved solids, conductivity, turbidity, true colour, and temperature.

Aquifer Analysis

Water Quantity

Pumping test data was analyzed using AQTESOLV Pro Version 4 aquifer analysis software package by HydroSOLVE Inc. Drawdown data was measured using an electronic water level tape and an electronic datalogger unit.

Table 1: SUMMARY OF WATER SUPPL	Y AQUIFER CHARACTERISTICS OF TW1
AQUIFER PARAMETER	RESULT OF ANALYSIS
Transmissivity (m ² /day)	17.2
Pumping Rate (L/min)	27
Pre-test Static Water Level (m)	2.3
Post-test Static Water Level (m)	Max – 4.3, End – 3.7
Available Drawdown (m)	28.2
% Drawdown During Pump Test (%)	7
Specific Capacity (L/min/m drawdown)	13.5

The drawdown data was analyzed using the Theis and Cooper Jacob methods of analysis. Aquifer transmissivity is estimated to be 17.2 m²/day. Refer to the Theis and Cooper Jacob methods of analysis data sheets attached to this report.

As demonstrated by the measured values, the water level in the well was increasing variably as the pumping test was performed. As the water level increased variably during the constant pumping portion of the test, it is expected that the aquifer which TW1 accesses is connected with other wells in the area. The water level variations occurred within the expected commercial operating hours in the immediate surrounding vicinity of the subject site.

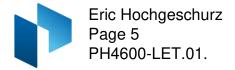
The pumping test results show that TW1 has a high yield to support the water demands that may be required. Overall maximum drawdown at a constant pumping rate for a period of 8 hours was approximately 4.3 m at approximately 2 hours into the pumping test (7% of the available drawdown). The final drawdown at the end of the 8 hour pumping test was 3.7 m (5 % of the available drawdown) 95% recovery was achieved approximately 21 minutes after the end of pumping.

The total volume of water pumped during the 8 hour pumping event was approximately 12,960 L. This is approximately 8.5 times the maximum total daily design volume of water required to support the Site Plan Control Application.

The suitability of the aquifer to supply the proposed Site Plan Application for the proposed commercial modification was assessed using the methodology provided in the City of Ottawa Hydrogeological and Terrain Analysis Guidelines (HTAG).

Based on the information summarized in Table 1, it is readily apparent that the water supply well has intercepted an adequately strong water supply aquifer which has sufficient quantity to service the proposed Site Plan Control Application.

Given the analyses presented and summarized above, it is our opinion that there is an adequate supply of water to support the proposed Site Plan Control Application. Available water well records (WWR) of the neighboring properties on the MECP Well Record

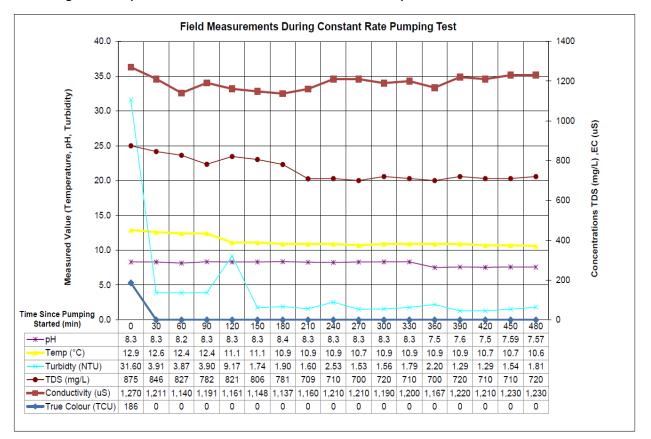


mapping website indicated that the wells were screened in limestone. Surrounding WWR's are attached to this report.

Water Quality

Field Data

Turbidity, electrical conductivity, total dissolved solids (TDS), pH, true color and temperature were measured at the wellhead during the pumping test. The measurements and time intervals for each of these parameters are summarized on the graphical representation below. In addition, a HACH Pocket Colorimeter II chlorine reader was used to measure the free chlorine residual level. No chlorine residual was detected in the discharge water prior to the collection of the water samples.



Laboratory Data

The Subdivision Package suite of parameters and trace metals laboratory water quality obtained from the pumping test of TW1 is provided in Table 2a and 2b below and the laboratory analyses reports can be found attached. VOC and PHC laboratory analytical testing were completed and measured to be non-detect in the sample results. All laboratory test results can be found attached to this report.

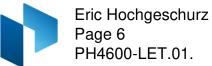


TABLE 2a: GROUNDWATER MICROBIOLOGY & GENERAL GEOCHEMISTRY									
		OD	ws	т١	V1				
PARAMETER	UNITS	LIMIT	TYPE	GW1 (4 hr) 2022-09-22	GW2 (8 hr) 2022-09-22				
MICROBIOLOGICAL									
Escherichia Coli (E.Coli)	ct/100mL	0	MAC	0	0				
Total Coliforms	ct/100mL	0	MAC	0	0				
GENERAL CHEMICAL - HEA	LTH RELAT	D							
Fluoride (F)	mg/L	1.5	MAC	0.41	0.42				
Ammonia (N-NH ₃)	mg/L	-	-	0.14	0.13				
Nitrite (N-NO ₂)	mg/L	1	MAC	<0.10	<0.10				
Nitrate (N-NO ₃)	mg/L	10	MAC	<0.10	<0.10				
Total Kjeldahl Nitrogen	mg/L	-	-	0.36	0.19				
Turbidity (Field)	NTU	1.0 (5.0)	MAC/AO	2.53	1.81				
Turbidity (Laboratory)	NTU	1.0 (5.0)	MAC/AO	13.2	11.6				
GENERAL CHEMICAL - AES	THETIC REL	ATED							
Alkalinity (as CaCO3)	mg/L	30-500	OG	287	289				
Chloride (CI)	mg/L	250	AO	185	191				
Colour (Apparent)	TCU	5	AO	90	86				
Colour (Field - True)	TCU	5	AO	0	0				
Conductivity	uS/cm	-	-	1,160	1,180				
Dissolved Organic Carbon	mg/L	5	AO	3.50	3.20				
Hardness (as CaCO3)	mg/L	100	OG	457	462				
lon Balance	unitless	-	-	1.01	1.01				
рН	unitless	6.5-8.5	AO	8.15	8.15				
Phenols	mg/L	-	-	<0.001	<0.001				
Sulphate (SO ₄)	mg/L	500	AO	75	75				
Sulphide (S ₂)	mg/L	0.05	AO	0.02	0.02				
Tannin & Lignin	mg/L	-	-	1.30	1.20				
Total Dissolved Solids	mg/L	500	AO	754	767				

1. ODWS identifies the following types of parameters:

MAC = Maximum Allowable Concentration

AO = Aesthetic Objective

OG = Operational Guideline

2. Shaded Concentration Indicates an Exceedance of the ODWS Objective

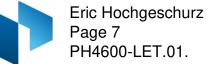


TABLE 2b: GROUNDWATER GEOCHEMISTRY - METALS										
		00	ws	- т\	V1					
PARAMETER	UNITS	LIMIT	TYPE	GW1 (4 hr) 2022-09-22	GW2 (8 hr) 2022-09-22					
Volatiles	•	•		•						
Aluminum (Al)	mg/L	0.1	OG	<0.01	<0.01					
Antimony (Sb)	mg/L	0.006	IMAC	< 0.0005	<0.0005					
Arsenic (As)	mg/L	0.01	IMAC	<0.001	<0.001					
Barium (Ba)	mg/L	1.0	MAC	0.58	0.59					
Beryllium (Be)	mg/L	-	-	< 0.0005	<0.0005					
Boron (B)	mg/L	5.0	IMAC	0.02	0.02					
Cadmium (Cd)	mg/L	0.005	MAC	<0.0001	<0.0001					
Calcium (Ca)	mg/L	-	-	127	129					
Chromium (Cr)	mg/L	0.05	MAC	<0.001	<0.001					
Cobalt (Co)	mg/L	-	-	< 0.0002	<0.0002					
Copper (Cu)	mg/L	1.0	AO	<0.001	<0.001					
Iron (Fe)	mg/L	0.3	AO	1.34	1.21					
Lead (Pb)	mg/L	0.01	MAC	<0.001	<0.001					
Magnesium (Mg)	mg/L	-	-	34	34					
Manganese (Mn)	mg/L	0.05	AO	0.13	0.13					
Mercury (Hg)	mg/L	0.001	MAC	<0.0001	<0.0001					
Molybdenum (Mo)	mg/L	-	-	<0.005	< 0.005					
Nickle (Ni)	mg/L	-	-	< 0.005	<0.005					
Potassium (K)	mg/L	-	-	3	3					
Selenium (Se)	mg/L	0.05	MAC	<0.001	<0.001					
Silver (Ag)	mg/L	-	-	<0.0001	<0.0001					
Sodium (Na)	mg/L	200	AO	79	82					
Strontium (Sr)	mg/L	-	-	0.72	0.724					
Thallium (TI)	mg/L	-	-	<0.0001	<0.0001					
Uranium (U)	mg/L	0.02	MAC	<0.001	<0.001					
Vanadium (V)	mg/L	-	-	<0.001	<0.001					
Zinc (Zn)	mg/L	5.0	AO	< 0.01	< 0.01					

1. ODWS identifies the following types of parameters:

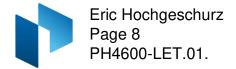
MAC = Maximum Acceptable Concentration

IMAC = Interim Maximum Acceptable Concentration

- AO = Aesthetic Objective
- OG = Operational Guideline

2. Shaded Concentration Indicates an Exceedance of the ODWS Objective

The bacteriological test results (Certificate of Analysis – Report No. 1986671) indicated that the test samples at the 4 and 8 hour interval were non-detect (0 ct/100 mL) for E.Coli and Total Coliforms.



The water quality of the subject water supply well meets all the Ontario Drinking Water Standards maximum acceptable concentrations (MAC). Furthermore, the water meets all of the Aesthetic Objectives (AO) and Operational Guidelines (OG) with the exception of the following.

- □ Hardness (as CaCO₃)
- □ Total Dissolved Solids (TDS)
- □ Iron (Fe)
- □ Manganese (Mn)

Exceedances of the above parameters are not uncommon of the water supply in the subject aquifer. Each of these groundwater parameters are discussed in detail below.

Hardness as CaCO₃

Hardness, expressed as calcium carbonate, is an operation guideline and does not appear in the ODWS. Rather, it appears in the Technical Support Documents for Ontario Drinking Water Standards, Objectives and Guidelines as a parameter with an operational guideline at 100 mg/L. At the measured concentrations of 457 and 462 mg/L, the water is considered to be hard, however, it is below the reasonable treatable limit of 500 mg/L specified in Table 3 of the MOECC guidance document Procedure D-5-5 (1996). The hardness concentration can be treated using conventional softening technologies.

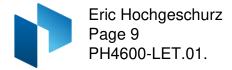
Total Dissolved Solids (TDS)

TDS refers to the concentration of inorganic substances dissolved in water. The main constituents are typically chloride, sulphates, calcium, magnesium, and bicarbonates. There are various levels of the constituents at a low level and it is not anticipated that they will cause an issue with taste. A point of use reverse osmosis unit may be installed if the owner desires for drinking purposes. As such, no taste problems will occur when the system is used.

The Langelier calculation provided an LSI of 1.0. Based on the evaluation of the result, the water is super saturated and tends to precipitate a scale layer of calcium carbonate (scale forming but non-corrosive). Based on the range of stability in the positive direction, there are no mitigative measures needed. See Langelier Saturation Index Calculation attached for calculation details.

Iron

Concentrations of iron above 0.3 mg/L can contribute to staining of fixtures and a metallic taste at higher concentrations. Precipitation of iron can promote the growth of iron bacteria in pipes. The concentration of iron in the groundwater in TW1 was measured to be 1.21 and 1.31 mg/L. The concentration of iron in the groundwater in the test well is considered to be reasonably treatable in accordance with Procedure D-5-5. It is recommended that an iron filter be used to reduce the levels of iron and reduce the potential for excessive precipitate occurring in the water supply system, if desired.



Manganese

The manganese concentration results from the laboratory test samples yielded a value of 0.13 mg/L in the onsite well, which is above the aesthetic objectives in the ODWSOG of 0.05 mg/L. Procedure D-5-5 gives a maximum concentration considered reasonably treatable for manganese as 1.0 mg/L. A conventional water softener or manganese greensand filter can be used to reduce the levels of manganese, if desired.

Colour

Colour may occur in drinking water for several reasons. It may be due to organic substances from the decay of vegetation, or the presence of metals such as iron, manganese, and copper, which are abundant in nature. The provincial aesthetic objective for colour in drinking water is 5 True Colour Units (TCU). The federal (Health Canada) guideline aesthetic objective limit for colour is 15 TCU (Guidelines for Canadian Drinking Water Quality, Health Canada June 2019). Procedure D-5-5 gives a maximum concentration considered reasonably treatable for colour as 7 TCU. As colour is a strictly aesthetic parameter, it can be reduced from the water supply, if desired, through the use of a manganese greensand treatment.

During the field pumping test, a DR900 colorimeter was used to measure true colour in the groundwater at regular intervals. True colour in the groundwater was measured as 0 TCU which is below the aesthetic guidelines of 15 TCU. The elevated colour levels detected in the lab samples is attributed to the precipitation of iron and manganese out of the groundwater.

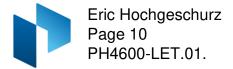
Turbidity

Turbidity, which is generally an aesthetic parameter, was detected in the laboratory test samples at values of 13.2 and 11.6 NTU in the 4 and 8 hours tests, respectively. Field testing detected the samples at values of 2.53 and 1.81 NTU in the 4 and 8 hour field tests, respectively. Continued pumping showed a decrease towards the end of the test. It is expected that continued use of the well would further reduce turbidity values. The elevated turbidity in the laboratory analyzed samples is attributed to the precipitation of iron and manganese.

The ODWS maximum acceptable concentration for turbidity in drinking water entering the distribution system is 1 NTU. The Aesthetic Objective for turbidity in drinking water reaching the consumer is 5 NTU. The field test parameters are below the 5 NTU objective.

Sodium

Sodium (Na), an aesthetic parameter, was detected in the laboratory test sample at concentrations of 79 and 83 mg/L, which does not exceed the ODWS aesthetic objective of 200 mg/L. Although sodium is not toxic and no maximum acceptable concentration has been set, concentrations above 20 mg/L require that the Medical Officer of Health be



notified of the water quality results, so that this information may be passed on to local physicians for use in treatment of those requiring a sodium-restricted diet.

Terrain Analysis

Surficial Geology

A series of test pits were put down on the subject parcel to delineate the subsurface soil conditions as part of the geotechnical investigation (Paterson Report PG6018-1 dated November 30, 2021). On November 12, 2021 five (5) test pits were excavated on the property for the design of the proposed renovation and its associated infrastructure. The test pits were advanced to a maximum depth of 3.5 m below ground surface (bgs). Two test pits were excavated within the vicinity of the proposed southern warehouse expansion, whereas the other three test pits were excavated adjacent to the exterior footings of the northern portion of the existing warehouse The locations of the test pits on the property are delineated on the Test Hole Location Plan, drawing PG6018-1, attached.

The test pit locations were recorded and the subsurface conditions, including the soil morphology and depth to the groundwater table (if encountered), were carefully observed and recorded. The soils encountered were classified texturally in the field, and later reviewed in the laboratory.

Generally, the subsurface profile at the test hole locations were observed to consist of asphalt or topsoil overlying a fill layer consisting of crushed stone and brown silty sand with gravel, occasional cobbles and trace asphalt. A brown silty sand was noted to be underlying the fill layer in all test hole locations, except for TP5-21 which consisted of a brown silty sand with gravel, cobbles and boulders (glacial till). Refusal to excavation was encountered in TP5-21 at a depth of 2.2 m bgs. Groundwater was encountered at TP4-21 at 2.0 m bgs, and at TP5-21 at 1.9 m bgs.

It should be noted that groundwater levels can fluctuate both seasonally and in conjunction with precipitation events. Therefore, the groundwater levels could vary at the time of construction.

Reference should be made to the test pit logs appended to this report for the details of the soil profiles encountered at each test hole location. The client should be aware that any information pertaining to soils are furnished as a matter of general information only and borehole descriptions are not to be interpreted as descriptive of conditions at locations other than those described by the boreholes themselves.

Hydrogeological Sensitivity of the Site

The subject site currently consists of a commercial building, associated infrastructure and private servicing. The subject site is serviced by a private well and septic system. The private well is not used for drinking. The subject site is currently occupied by a one-story commercial building which fronts onto Cardevco Road. The subject site is bordered to the



Eric Hochgeschurz Page 11 PH4600-LET.01.

north, east and west by developed commercial properties and to the south by Cardevco Road followed by additional developed commercial properties. All surrounding properties are on private services. The adjacent properties are serviced by private wells and septic systems.

The overburden at the test hole locations generally consists of a fill overlying a brown silty sand. Refusal to excavation was only encountered in TP5-21 at a depth of 2.2 m bgs. According to available geological mapping, the drift thickness within the site varies from 5 to 10 m bgs.

According to the geotechnical field investigation, the overburden thickness was observed to be greater than 2 m. As the proposed site does not have bedrock within 2 m of the ground surface, the site is not considered hydrogeologically sensitive. Separation distances are not required to be increased between the septic components and the onsite well.

To corroborate our position in this matter, the water quality of the bedrock aquifer targeted by the onsite drilled potable supply well shows no indication of surface water or surface impacts from sewage system effluent.

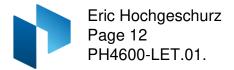
Conceptual Lot Development Plan

It is proposed to renovate the existing building one story commercial building. The location of the existing and proposed structures can be found on the attached Arbaum Architects Drawing A-010, Demolition / New Site Plan dated Jan 21, 2022. The proposed private servicing is outlined in Paterson drawing PH4600-1(rev.01) – Sewage System Layout Plan, attached. It illustrates that the proposed design layout is adequate to accommodate the associated private services and meet all the regulated separation criteria. Please note that the proposed design layout is not meant to restrict the location of the proposed buildings or private services. The design will be reviewed by the Ottawa Septic System Office (OSSO) and will be constructed in accordance with the required regulations. The OSSO requires inspections during construction in order to ensure compliance.

Proposed Sewage System

Paterson has completed a replacement sewage system design for the proposed development due to Site Plan requirements related to the Nitrate Impact Assessment (NIA). A septic flow value was calculated for the proposed building renovation and resulted in a total daily design sewage flow (TDDSF) of 1,026 L/day. A Design Swage flow rate of 1,500 L/day was used for design purposes. Refer to the Paterson Drawing PH4600-1(rev.1) and Paterson Drawing PH4600-2(rev.1) attached for more specific details. The approved OSSO septic permit has been included in the Site Plan application submission package. The septic flow values were calculated in accordance with the OBC and are as follows:

- □ Office space with an area of 90 m² x 75 L/day per 9.3 m² = 726 L/day
- □ Number of loading bays $(2 \times 150 \text{ L/day}) = 300 \text{ L/day}$



The resulting total daily design sewage flow (TDDSF) is 1,026 L/day, however a design sewage flow rate of 1,500 L/day was used for the OSSO application.

Predictive Nitrate Impact Assessment

In order to demonstrate that private services would adequately support the proposed commercial development, a predictive nitrate impact assessment for the subject site was completed. The values shown in the Predictive Nitrate Impact Assessment attached to this report are summarized below.

□ Site area	0.20 ha
Impervious area (%)	47 %
Daily sewage flow	1.026 m ³ /d
 Concentration of nitrate in effluent (Value based on typical effluent concentration) 	40 mg/L
Concentration of nitrate in effluent with treatment (Value based on nitrate reduction system (WaterNOX-LS) with 70% nit	12 mg/L rate reduction)
Surplus Water (The surplus water value was estimated based on Environment Canad values with a soil type comprised of fine sandy loam (Urban Lawns) an sources.)	
 Combined infiltration factor based on: Topography infiltration factor Soil texture infiltration factor Cover infiltration factor 	0.70 0.20 0.40 0.10

The topography infiltration factor of 0.20 is based upon a rolling land with an average slope of 2.8 to 3.8 m/km. The soil texture infiltration factor was based upon an "open sandy loam" with a value of 0.4 which is a reasonable generalization based upon the site investigations and available geological mapping. The "cover infiltration factor" was calculated at 0.1 based upon the minimum value for cultivated land.

The calculation for a conventional septic system results in a predicted nitrate concentration of 22.67 mg/L nitrate for the subject site, using a value of 40 mg /L nitrate concentration within the effluent. This value was based upon a daily sewage flow of 1,026 L/day. It is expected that the actual usage should be lower.

An existing approved tertiary treatment system capable of reducing the nitrate loading in the effluent is the Waterloo Biofilter brand. The system has an available nitrate reduction of 25 to 35% based upon the standard single pass system and 50 to 65% based upon a



Eric Hochgeschurz PH4600-LET.01.

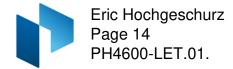
double pass re-circulation system. With the addition of the WaterNOx-LS system, greater than 70% total nitrogen removal can be achieved. This would reduce the nitrate concentration in the effluent from 40 mg/L down to as low as 12 mg/L. Provided the value of 22.67 mg/L of nitrates for the fully sized system, a 70% reduction would provide a value of 6.8 mg/L. A WaterNOx-LS system has been included in the new septic design for the property, as shown in the attached Paterson drawing, PH4600-1(rev.01).

Based on the results of the predicted nitrate impact assessment, it is our opinion that the property can adequately support the proposed renovation without having an adverse impact on the underlying bedrock aquifer.

CONCLUSIONS

Based on the information contained within the body of this report the following conclusions can be drawn:

- 1. The water supply aquifer intercepted by the existing well is considered to be adequate to support the water quantity demands for the proposed renovation.
- 2. As TW1 currently provides potable water to the existing building, the client is familiar with the quality of the groundwater.
- 3. The preferred water supply intercepted by TW1 contains a water supply that is potable, and contains only elevated concentrations of hardness, TDS, iron, and manganese. The noted parameters can be treated with current readily available water conditioning equipment.
- 4. A residential grade water softener is recommended to facilitate the reduction of the hardness concentration. If a water softener is used for the proposed development, the owner should be made aware that additional sodium will be added to the water to reduce hardness. If desired, a point-of-use reverse osmosis system can be used to provide a drinking tap source.
- 5. If desired, the client can use an iron filter to treat the potential iron values.
- 6. If desired, the client can use manganese greensand treatment to treat the potential colour values.
- 7. The sodium concentration was measured to be above the 20 mg/L reporting limit and, as such, the Medical Officer of Health for the City of Ottawa should be informed to assist area physicians in the treatment of local residents on sodium reduced diets.
- 8. The site is not considered hydrogeologically sensitive.



- 9. The predicted nitrate concentrations at the property boundary is calculated to be below the required 10 mg/L threshold when a standard denitrification system such as the Waterloo Biofilter WaterNOx-LS system is used.
- 10. A Sewage System Permit and Building Permit need to be issued prior to the commencement of construction on the proposed warehouse addition or the proposed septic system.
- 11. The results of the Hydrogeological Assessment and Terrain Analysis have provided satisfactory evidence that the subject site can support the proposed renovation with respect to water quality, quantity and sewage system placement.

We trust that the current submission satisfies your immediate requirements.

0

¢.

Best Regards,

Paterson Group Inc.

Alexander Schopf, PhD, EIT

Attachments:

- Key Plan
- Arbaum Architects Drawing A-010, Demolition / New Site Plan dated Jan 21, 2022
- MECP Water Well Records
- Eurofins Certificate of Analysis
- Paterson Test Pit Logs
- AQTESOLV Pumping Test Analysis Reports
- Nitrate Impact Assessment Calculations
- □ Langelier Saturation Index (LSI) Calculation
- MECP Disinfection Instruction Sheet
- Paterson Drawing PG6018-1 Test Hole Location Plan
- Deterson Drawing PH4600-1(rev.1) Sewage System Layout Plan
- Deterson Drawing PH4600-2(rev.1) Sewage System Details and Notes

Ottawa Head Office

9 Auriga Drive Ottawa – Ontario – K2E 7T9 Tel: (613) 226-7381

Ottawa Laboratory

28 Concourse Gate Ottawa – Ontario – K2E 7T7 Tel: (613) 226-7381 Northern Office and Laboratory 63 Gibson Street North Bay – Ontario – P1B 8Z4 Tel: (705) 472-5331

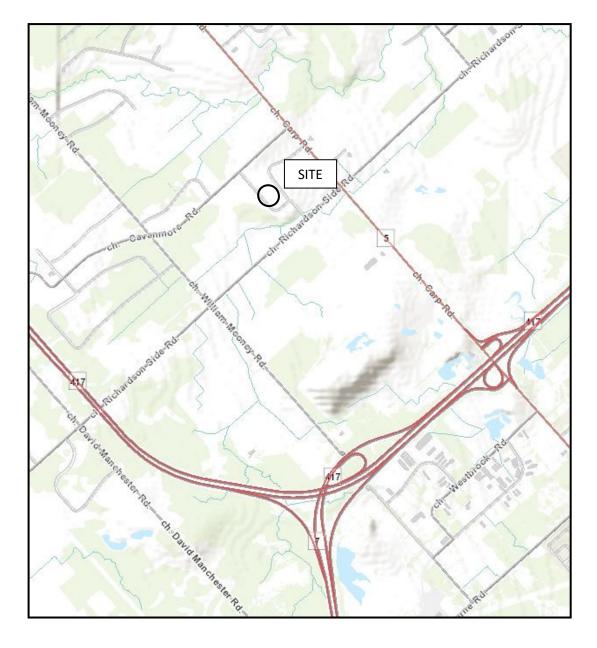


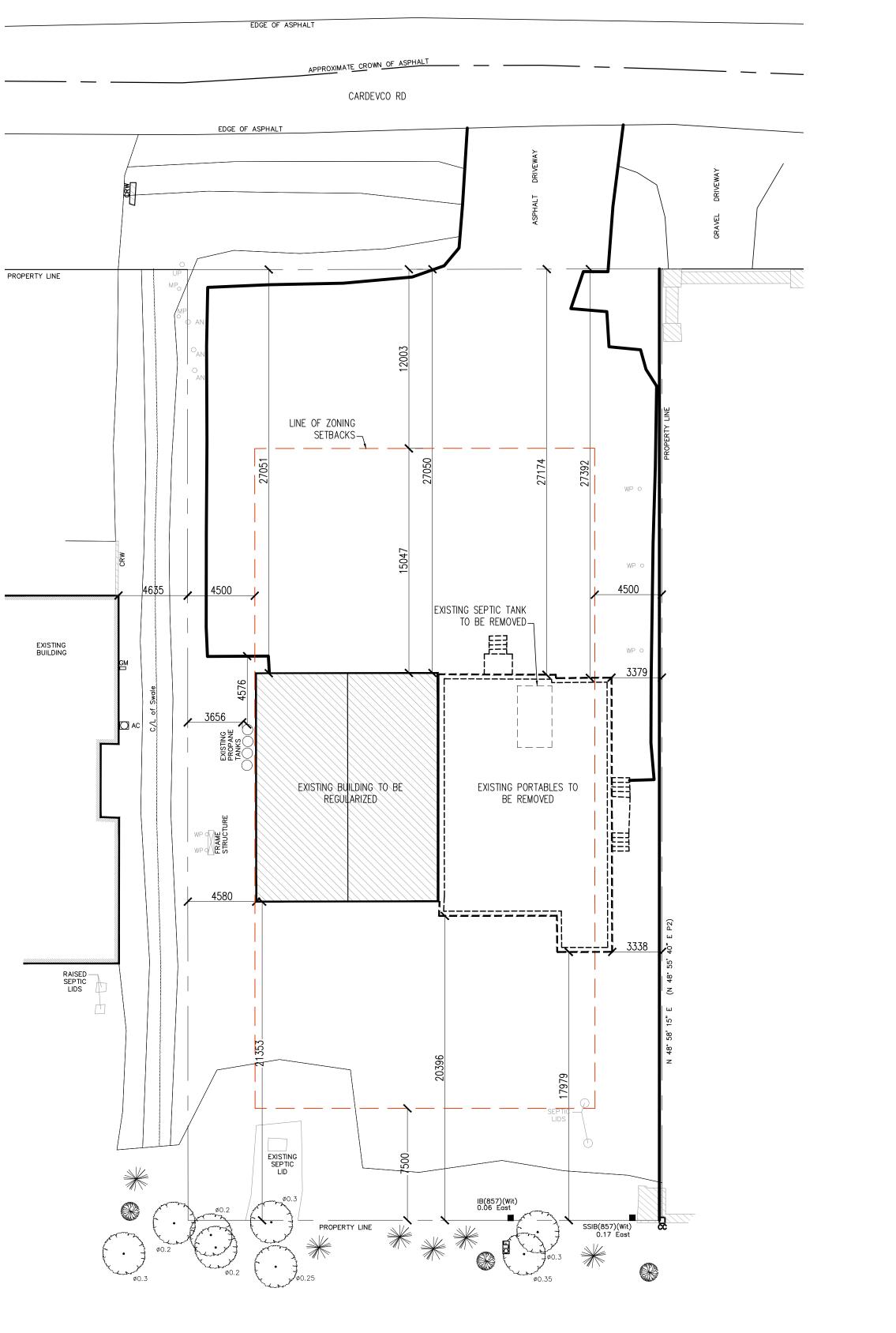


Erik Ardley, P.Geo

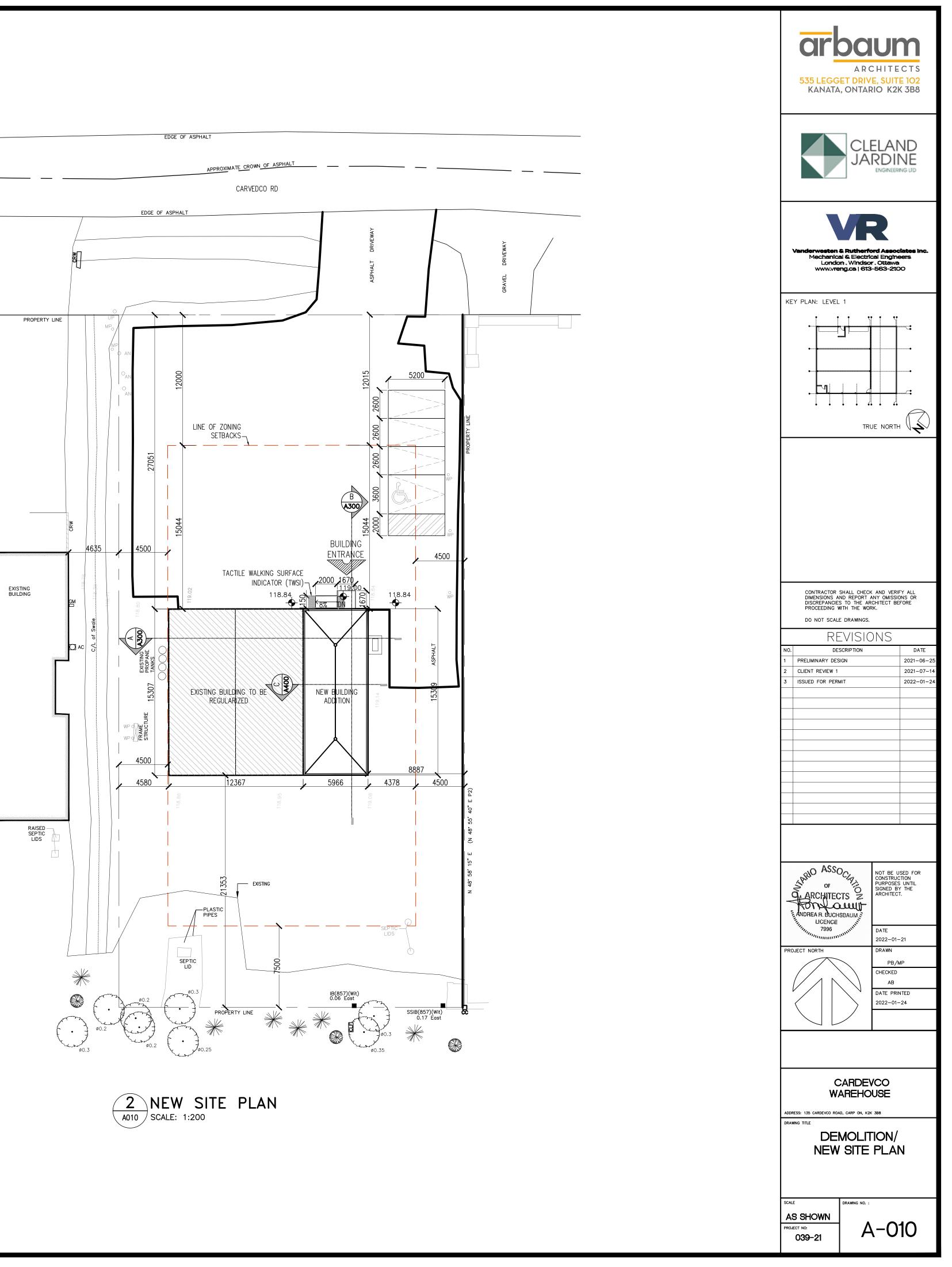
patersongroup -

FIGURE 1 KEY PLAN





1 EXISTING / DEMOLITION SITE PLAN A010 SCALE: 1:200



N					TW			
Ontario	Ministry of the Environment in: □ Metric ☑ Imperial	Δ	Ig No. (F' Sticker = Tag#	nd/or Print Below) : A134668	Regulation	N 903 Ontario W Page	ater Re. I	sources Act
Measurements recorded i			1.601		1		News	
First Name	Last Name / Organizatio	on		E-mail Address		1		Constructed ell Owner
Mailing Address (Street Nu			Municipality	Province	Postal Code		No. (inc	area code)
145 Carde	vco Koad R	82	<u>Carp</u>	<u> </u>	KOH I	h0613.	423	1007
Well Location Address of Well Location (\$		1	Township		Lot 23	Concessio	n 	
135 Corde	vco Road	(City/Town/Village		25	Province	Posta	I Code
OHawa UTM Coordinates Zone E			Carp Municipal Plan and Suble	at Number		Ontario Other	KOP	9140
1	-12 3 12 5 4 50 15		PI 4M356 -		R8368	Part 7ª	+ 10)
Overburden and Bedroo	k Materials/Abandonment Se	ealing Reco	ord (see instructions on the	e back of this form)			De	oth (<i>m/ft</i>)
General Colour M	ost Common Material		ner Materials	Gene	eral Description	l	From	
black	/Sand/stone	<u>.</u> ל					16'	100'
plack LI	mestone						0	
	· · ·			9				
	1							
	Angular Grass				Posults of W	Il Yield Testing		
Depth Set at (<i>m/ft</i>)	Annular Space Type of Sealant Used		Volume Placed	After test of well yield,	water was:	Draw Down	F	Recovery
From To	(Material and Type)	4	(m³/ft³)	Clear and sand Clear and sand Cher, specify		Time Water Lev (min) (m/ft)	ei i ime (<i>min</i>)	Water Level (m/ft)
Udd	2 Bags Cemen 4 Bags quick (appart	0.088	If pumping discontinue	ed, give reason:	Static Level	,	
	I Isugs gater	frear	0.080		/01	1 20.8	1	45.1
	<u>terete en teres en t</u>		leven in the second	Pump intake set at (i 75	π/π)	2 25.9	2	35.2
Method of Constr	uction	Well Us	50	Pumping rate (I/min /		3 29.8	3	27.8
	Diamond Public	Comme		Duration of purroing	om.	4 32.9	4	22.9
Rotary (Reverse)	Driving	Test Ho		hrs + Final water level end o	nin of numning <i>(m/ft</i>)	5 35,4	5	19.7
Air percussion	Industrial		& All Conditioning		n parnping (min)	10 47.	10	13.7
Other, specify	Other, specify		Status of Well	If flowing give rate (//	nin / GPM)	15 53.5	15	12.5
Inside Open Hole OR Diameter (Galvanized, Fit	Material Wall Dept	th (<i>m/ft</i>)	D-Water Supply	Recommended pum	o depth (m/ft)	20 56.1	20	11.75
(cm/in) Concrete, Plasti	ic, Steel) (cm/in) From	То	Replacement Well	80 Recommended pum	o rate	25 56.8	25	11.65
6" Steel	, 480m 0'	22	Recharge Well		m.	30 63.	30 40	11.4
			Observation and/or Monitoring Hole	Well production (<i>Imir</i>		40 67.4	50	11.2
			Alteration (Construction)	Disinfected?		60 67.4	60	11.1
Conch	ruction Record - Screen	1	Abandoned, Insufficient Supply	Yes No	Man of W	ell Location		11.05
Outside Materia	Dept	th (<i>m/ft</i>)	Abandoned, Poor Water Quality	Please provide a map			back.	
(Plastic, Galvaniz	ed, Steel) From	То	Abandoned, other, specify					
			Other, <i>specify</i>		1200	and the second secon		
		tion million and have a manerical and			135			
	Vater Details	j Dept	Iole Diameter th (m/ft) Diameter					
179 (m/ft) Gas G		From	To (cm/in)		Can	devco		-
00	of Water: Fresh 4 0ntested	0	22' 25,Hen	2		1		
	of Water: Fresh Untested	1					1 E.	αm
	Other, specify ontractor and Well Technicia	an Informat	tion			\Box, τ	, די ה.:1	dinc
Business Name of Well Con	tractor	We	ell Contractor's Licence No.			i	JU11	<u> </u>
WILF HALL + S Business Address (Street No	umber/Name)	Mu	inicipality	Comments:				
256 Hall Shore Province Postal	RA RRI McDo Code Business E-mail Add	nald's	Corners					
ON KOK	FIMO wilfhall	Hdeh	ellnet.ca.	1 m m	ackage Delivere		stry Us	e Only
Bus. Telephone No. (inc. area of 1327829)			First Name)	package delivered			154	1051
Well Technician's Licence No.	Signature of Technician and/or C	ontractor		Yes Date V	Vork Completed			1 2012
122228 0506E (2007/12) © Queen's Pri	Mach Hall	2	0120806 Ministry's Copy		YYMM	D D Receive	3J U	1 4412

Ministry of the Environment			r ee fr	MMP	Water Resource EE ILL ILL 45095	REC() fr []
	OF BOX WHERE APPLICABLE	······································	15201	38	(Gran Lile -	- 60 M	<u>з. Ц0</u> З
TTT ALLA CADIETA		CARLE	TON		BLOCK, TRACT, SURVEY	, IETC.	LOT 25-27
	P	HUNTLE	EY MAI	NOR	DRIVE	DATE COMPLETED	9 "*** 185
1 2 10 12	17 10		ELEVATION			. <u></u>	
LO	G OF OVERBURDE	N AND BEDRO	DCK MATERI	ALS (SEE II	ISTRUCTIONS)		
GENERAL COLOUR COMMON MATERIAL	OTHER M/	MERIALS		G E N E RJ	U. DESCRIPTION	DE I FiR O-W	PTH FEET TO
GREY CLAY	SAND	BOUL	<u>)ER'S</u>		ACKED	0	161
GREY GRAVEL							<u> </u>
<u> </u> ↓ 31 ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓					T f I I		
	╌┨╌┨╌┖╌╎╌┧╶┨ ╴┨╶┨╴┨╴┨					L LL	
41 WATER RECORD		OPEN HOLE F			s ⊨otfoppening 31 NO)	6 15 - 35 8 CHANNET ET ET R 25 6 - 31 6	73 100 LIENIGITH (190-440
AT - FEET KIND OF WATER	INSIDE DRAM MATERIAL INCHES	THECKNESS INCHES FR	ORPTH - FEET		IAL AND TYPE	INCHES DEPTH TO TO OF SCREEN	
2 2 3ALTY 4 C MINERAL 13-10 1 C FRESH 3 C SULPHUR 15	19-11/1 26 STEEL 1 0-144/ 2 □ GALVANIZED □ CONCRETE	1.88	0' 35	61]	DI LICCINC	8. SEALING REC	
2 [] SALTY 4 [] MINERAL 20-23 1 [] FRESH 3 [] SULPHUR ²⁴	4 [] OPEN HOLE 17-98 [] STEEL 1 8 [] GALVANIZED	5	210-2.3		ET AT - FEET		PUPILI Ment Grout Packer, etc.)
2 [] SALTY 4 [] MINERAL 25-28 1 [] FRESH 3 [] SULPHUR ²³	³ □ CONCRETE 4 □ OPEN HOLE		:	10-1			
2 [] SALTY 4 [] MINERAL 200-83 1 [] FRESH 3 [] SULPHUR ⁵⁴ 10	24-25 1 □ STEEL 2 1 □ GALVANIZED 1 □ CONCRETE		27~30	10-2 206-2			
2 [] SALTY 4 [] MINERAL	I [] OPEN HOLE	UMPING	······	<u> </u>			
71 1 DEPUMP 2 C BAILER STATIC WATER LEVEL 25	***************************************	16 17-18 URS	IN DI		A SHOW DISTANCES	OF WELL FROM ROAD	AN D
LEVEL END OF WATER LEVE PUMPING 19-29 BR-224 IS MINUTES	30 MINUTES 45 MINUTES	RECOVERY 60 MINUTES	LOT		CATE NORTH BY ARR		AND
7 15 15	15 seer 1.55 .	-344 35-37 6 et 5 FE 61 OF VEST 42		1			
GIVE AATE GL	FEET 1 GKCLEAR	a [] CLOUDY					
C. PRECOMMENDED FUMP TYPE RECOMMENDED 174C SHALLOW ET DEEP SETTING	43-45 RECOMMENDED PUMPING RATE	44-41 5 GPV					
34	s [] ABANDONED. INSU			^ <u> </u>			
FINAL 1 (A WATER SUPPLY STATUS 3 CI OBSERVATION WELL 3 CI TEST HOLE OF WELL 4 CI RECHARGE WELL	6 [] ABANDONED POOR 2 [] UNFINISHED				2.	and in the	
55-56 1 [5]C DOM ESTIC S	EI COMMERCIAL)			3/
WATTER 3 CHARIGATION 7 USE • CHARIGATION 7	EL MORICIPAL EL PUBLIC SUPPLY COOLING OR AIR COND	TIONING				SA 2KM	6
	9 [] NO1 4 [] Edring	USED				60.3 K /1	Ů/
METHOD 2 D ROTARY (CONVENTION OF 3 D ROTARY (REVERSE)	NULL) 7 [] DEAMOND 8 [] JETTING		0.00	9XM	ONTE AD		
DRILLING 4 CP ROTARY (AIR) 3 C AIR PERCUSSION	1 [] DRIVING		DRILLERS REMAR				
NAME OF WELL CONTRACTOR MANE OF WELL CONTRACTOR NAME OF WELL CONTRACTOR	WELL TROULADO	2enide number # 3742	DATA SOURCE		TRAICTOR 59-62 Day		85
ADDRESS ADDRESS ADDRESS R R 35# 2 CARLET MANE OF DRILLER COR ECORER	ON PLAN			C YE CHN	INSPECTOR	- `,	ļ
HAME OF DRILLER OR BORER HENRY MAN	1nus ()	S 6 5 4	. LLI	[l		
S SIGNATURE OF CONTRACTOR		9	OFFIC	WDE	-	CSS.S8	\otimes
MINISTRY OF THE ENVIRONMENT			L			FORM NO. 050	6477 FORM 7

in an in the

.

in the second second

				· -	n di anci ya si	* * ** * *			
	istry tl	UNTLEY MANOR			tario Wate	r Resourc	es Act	~~	
of th	ne ironment		NAI		VEL		KE	CO	RD
Ontario	1. PRINT ONLY IN SP		11	152027	9. I	ici e	CON.		
COUNTY OR DISTRICT		T BOX WHERE APPLICABLE				14 TRACT, SURVEY	ETC		22 23 74 OT 25-27
Ottawa-	-Carleton	ADDRESS	st Carleto	on-Huntery		Conc. 3	DATE COMPL	ETED 4	<u>6</u> ه.s3
Pri-Tec	Construction L	td. Box 13090		Ontario. K			DAY 16	10	v85
21	ZONE EASTING T 1 1 1			ELEVATION	RC. BASIN C		<u></u>	- <u></u>	
	LOC	G OF OVERBURDEN A	ND BEDROO	K MATERIALS	SEE INSTRUC	TIONS)			
GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATER	RIALS		GENERAL DESC	RIPTION		DEPTH FROM	· FEET TO
Brown	Sand	Boulders						0	10
Gray	Limestone			Medium	Soft			10	200
Gray			State Tree					200	230
					<u></u>				
						· · · · ·			
					<u></u>				
31 32									
		51 CASING & O			SIZE (S) OF OPE	NING 3	1-33 DIAMET	ER 34-38 L	75 80 ENGTH 39-40
WATER FOUND AT - FEET	KIND OF WATER	INSIDE DIAM. MATERIAL	WALL DE	PTH - FEET	Z (SLOT NO)	TYPE		INCHES	FEET 41-44 30
] FRESH ³ [] SULPHUR ¹⁴] SALTY ⁴ [] MINERAL	10-11 1 X STEEL 12		13-16	S			OF SCREEN	FEET
220 ¹ ²	FRESH 3 SULPHUR 19	$5 \frac{1}{4} \stackrel{2}{\square} GALVANIZED i \square CONCRETE i \square OPEN HOLE$	188 0	22		LUGGING	& SEAL	ING RECO	RD
20-23 1	FRESH 3 [] SULPHUR 24	17-18 1 🗆 STEEL 19 2 🗋 GALVANIZED	22	200	DEPTH SET AT -	FEET M	ATERIAL AND		NT GROUT, CKER, ETC.)
25-28 1	3 SALTY 4 [] MINERAL 3 FRESH 3 [] SULPHUR ²⁹	8 3 □ CONCRETE 4 □ OPEN HOLE 24-25 1 □ STEEL 26		27-30	10-13	14-17			
30-33 1] SALTY 4 [] MINERAL] FRESH 3 [] SULPHUR 34 0		200		26-29	30-33 80			
		11-14 DURATION OF PUMI			I				
71	2 🔲 BAILER	7 GPM 1 15-16 HOURS	17-18			TION O			
STATIC LEVEL	PUMPING	ELS DURING 1 00 PI 2 1 R1 30 MINUTES 45 MINUTES		IN DIAGR LOT LINE	AM BELOW SHO	W DISTANCES		ROM ROAD A	ND
	150 150	30 MINUTES 29-31 150 _{FEET} 45 MINUTES 32-34 150 _{FEET}	35-37		-C	arp	Rd.	$\left(0 \right)^{3}$	* 3)
C IF FLOWING. GIVE RATE	38-41 PUMP INTAKE SET	TAT WATER AT END OF	TEST 42		· · · · · · · · · · · · · · · · · · ·				
U IF FLOWING, GIVE RATE	GPN. MP TYPE RECOMMENDED PUMP	FEET 1 CLEAR 43-45 RECOMMENDED PUMPING	46-49		Z				
SI SHALLOW	V CX DEEP SETTING	175FEET RATE	5 брм	-2'	6				
FINAL	54 1 WATER SUPPLY	5 🔲 ABANDONED, INSUFFI		[m]	Q V				
STATUS OF WELL	2 OBSERVATION WELL 3 TEST HOLE 4 RECHARGE WELL	g 🗌 ABANDONED POOR QI 7 🗍 UNFINISHED	UALITY	Zhy					
\$5		5 🗌 COMMERCIAL 6 🔲 MUNICIPAL			:		· ~ ^ `	4.	
WATER USE	3 IRRIGATION	DINICIPAL DUBLIC SUPPLY COOLING OR AIR CONDIT!	ONING	A	7	16'2"/	730		
	D OTHER	9 🗆 NOT U	SED	Q			ł		
METHOD	1 CABLE TOOL 2 ROTARY (CONVENTIO 3 ROTARY (REVERSE)	€ ☐ BORING DNAL) 7 ☐ DIAMOND ■ ☐ JETTING		ľ					
DRILLING	4 C ROTARY (REVERSE) 4 ROTARY (AIR) 5 R AIR PERCUSSION	P DRIVING		TRILLERS REMARKS:	€#L				i
NAME OF WELL	CONTRACTOR		ICE NUMBER		58 CONTRACTO	R 59-62 D	ATE RECEIVED	<u>^</u>	86"
ADDRESS	l Water Supply L		58	D DATE OF INSPECTIO	IN	INSPECTOR	21	UI	
BOX 49	O; Stittsville, ER OR BORER		ICE NUMBER						
	ler / B. Moore	SUBMISSION DATE		OFFICE	*				
		DAY 16 MO.	10,85	Ō				<u> </u>	ES
MINISTRY OF	F THE ENVIRONMEN	IT COPY				_	F	ORM NO. 0506-	-4-77 FORM 7

Min of ti	histry he							ources Act		
X X / /	vironment	WA							.00	RD
		RECT BOX WHERE APPLICABLE		15211	69		L	14 15		22 73 74
COUNTY OR DISTRICT	Carloton	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE		ley)		CON BL	OCK. TRACT, SU	Conc. 3		LOT 25-27
		s C 2 Boyce Ave.;	0tt	tawa. On	t.K	2B 6J	12	DATE COM	рсетер мо 12	48-53 YR. 86 -
			RC	ELEVATION						
3 2		17 18 24 DG OF OVERBURDEN AND BEDF	25 200	K MATERI	ALS (s	SEÉ INST	RUCTIONS)			<u>4</u> 7
GENERAL COLOUR	MOST	OTHER MATERIALS			GI	ENERAL	DESCRIPTION	I	DEPTH FROM	· FEET
Brown	Sand, Gravel	& Boulders							0	8
Gray	Limestone			La	yere	d			8	15
Gray	Limestone			Me	dium	Soft			15	380
							L			
					÷.,					
-									-	
		·								
31	<u> </u>									<u> </u> .
32						ت ب با ليا				
41 WA	TER RECORD	51 CASING & OPEN HOLE			EEN	SIZEISI O ISLOT NO	F DPENING I	31-33 DIAME	TER 34-38	75 80 Ength 39-40
WATER FOUND AT - FEET	KIND OF WATER	INSIDE WALL DIAM MATERIAL THICKNESS INCHES INCHES	DE FROM		L L L	MATERIAL	L AND TYPE	Î	INCHES DEPTH TO TOP OF SCREEN	FEET 41-44 30
205 2 [SALTY 4 C MINERAL	10-11 1 STEEL 12 614 2 GALVANIZED 1 CONCRETE -188	0) 22						FEET
2 [FRESH 3 SULPHUR ¹⁹ SALTY 4 MINERAL 24	4 OPEN HOLE		20-2	· · · · · · · · · · · · · · · · · · ·	EPTH SET	PLUGG	MATERIAL AN		NT GROUT
Z [FRESH 3 SULPHUR 24 SALTY 4 MINERAL	6 2 GALVANIZED 3 CONCRETE 4 DOPEN HOLE	22	2 275	F	ROM 10-13	TO 14-17		LEAD P	CKER. ETC.)
2	FRESH 3 _ SULPHUR ²⁹ SALTY 4 _ MINERAL	24-25 1 STEEL 26	275	5 380	,	18-21	22-25			
	□ FRESH 3 □ SULPHUR ^{34 0} □ SALTY <u>4</u> □ MINERAL	3 CONCRETE 4 🗭 OPEN HOLE	275	5 500		26-29	30-33	80		
71 PUMPING TEST ME	ETHOD 10 PUMPING RATI	4 9 15-16 17-11				LO	CATION	OF WEL	L	
STATIC LEVEL	WATER LEVEL 25	EVELS DURING 2 RECOVERY	5		IAGRAM LINE.		SHOW DISTAN	NCES OF WELL Y ARROW.	FROM ROAD A	ND
	22-24 15 MINUTES	30 MINUTES 45 MINUTES 60 MINUTES 8 29-31 32-34 35-3			\mathcal{C}	7		\frown	0.1	
	T 175 FEET 150 FE					QU	uhn s	Side	<u>Ka.</u>	-
U O FEE GVE RATE GVE RATE RECOMMENDED PU				6					Ň.	
	W DEEP SETTING	300 FEET RATE 5 GPM	4	*						
FINAL	5.4 : WATER SUPPLY	5 ABANDONED, INSUFFICIENT SUPPLY	-	\mathcal{A}					P	
STATUS OF WELL	2 1 OBSERVATION WEL 3 1 TEST HOLE 4 1 RECHARGE WELL	LL S ABANDONED, POOR QUALITY 7 UNFINISHED		ų.						
	55-56 1 DOMESTIC 2 STOCK	S COMMERCIAL						itless		
WATER USE	3 C IRRIGATION 4 C INDUSTRIAL	8 DEVICEPAL 7 PUBLIC SUPPLY 8 COOLING OR AIR CONDITIONING						adapter		
	0 OTHER	יאסז USED			\bigcap	Id	Ala	onto	Rd	
METHOD	CABLE TOOL 27			4		<u>'u</u>	_/1111	<u>n 11 cv</u>	<u> </u>	<u> </u>
DRILLING	4 🗆 ROTARY (AIR) 5 🐙 AIR PERCUSSION	9 🔲 DRIVING		DRILLERS REMA	RKS				04	681
NAME OF WELL	CONTRACTOR	LICENCE NUMBER	ק ה			58 CONT	RACTOR 59	-62 DATE RECEIVED	0502	8 ² ^{°°} ^{°°}
ADDRESS	tal Water Suppl	-		SOURCE	ECTION		INSPECTO	R	~) ~ 2	97
ANAME OF DRILL	490: Stittsvill	e, Ont. KOA 360	-							
NAME OF DRILL NAME OF DRILL SIGNATURE OF	iller/J. Moore		7	OFFICE						
LMU	Trulana,	ph) DAY_1 NO 2 YRC	3	ō						ES
MINISTRY	Y OF THE ENVIRON	MENT COPY							FORM NO. 0506	-4-// FORM 7

Minis of the	e			Ontario Water Re			RD
Ontario Envir	Onment	SPACES PROVIDED	15223				
COUNTY OR DISTRICT		TOWNSHIP, BOROUGH, CITY, TOWN VILLAGE		TO CON. BLOCK. TRACT.	14 15 SURVEY, ETC		Partipau
		Bux 13090 K		DNT. KZK I	H3 DAY	2_ MO	2 YR 8
i 2	10 12	17 18 25		RC ANSIN CODE			
	LC	DG OF OVERBURDEN AND BEDRO	CK MATERI			DEPTH	- FEET
GENERAL COLOUR	COMMON MATERIAL	STONE'S		GENERAL DESCRIPTI		FROM	то <i>9</i> ·
GREY	LIMESTONE	510102 5		//(9.	70'
GREY BLAC			~			70'	130'
				<u>.</u>			
							
						<u> </u>	
	······································						
31 32							
	ER RECORD	51 CASING & OPEN HOLE F	RECORD	SIZE (S) OF OPENING (SLOT NO)	31-33 DIAM	ETER 34-38	75 80 LENGTH 39-40
WATER FOUND AT - FEET	KIND OF WATER	DIAN MATERIAL THICKNESS	CM TO	MATERIAL AND TYPE		INCHES DEPTH TO TOP OF SCREEN	FEET 41-44 30
128 20	SALTY 4 1 MINERALS 6 3 GAS FRESH 3 SULPHUR 19	3 CONCRETE)' 22 ^{13,16}		GING & SEA		
20.23 1	A □ MINERALS 6 □ GAS FRESH 3 □ SULPHUR 24		20-21		MATERIAL AN	D TYPE (CEME	ENT GROUT ACKER. ETC)
25-28 []	SALTY 4 Iminerals 6 Gas Gas FRESH 3 Sulphur 29 4 Minerals 1 1	3 CONCRETE 4 DOPEN HOLE 5 PLASTIC 24-25 26	27-30	10-13 14-1			
30-33 1	SALTY 4 MINERALS SALTY 6 GAS FRESH 3 JSULPHUR 34 SALTY 6 GAS	1 □ STEEL 2 □ GALVANIZED 3 □ CONCRETE 4 □ OPEN HOLE			3 80		
PUNPING TEST METH				LOCATIO	N OF WEL	. L	
1 DUMP 4	WATER LEVEL 23 END OF WATER L	12 GPN 215-16 17-18 HOURS 17-18 HOURS 1 □ PUMPING		IAGRAM BELOW SHOW DIS		FROM ROAD A	ND 7
L S 19-21	PUMPING 22-24 15 MINUTES 26-1	8 29-31 32-34 35-37				×	
	80 FEET 80 FEI 38-41 PUMP INTAKE	SET AT WATER AT END OF TEST 42	010	ALMONTE R	UAD X		
U FEET IF FLOWING. GIVE RATE	PUMP	FEET 1 CLEAR & CLOUDY D 43-45 RECOMMENDED 44-49 PUMPING C	CARP PARK		XL		
50-53	DEEP SETTING	100 FEET RATE GPM			142		
FINAL STATUS	1 🗗 WATER SUPPLY 2 🗋 OBSERVATION WEI		QUEENS WAY- JNDUSTRIAL	0.	איאביכ		
OF WELL	3 TEST HOLE 4 RECHARGE WELL	7 UNFINISHED 9 Dewatering	QUE JNJ	×	m		
WATER	2 STOCK 3 IRRIGATION	S COMMERCIAL G MUNICIPAL 7 PUBLIC SUPPLY			No		
USE	4 INDUSTRIAL OTHER 	COOLING OR AIR CONDITIONING			0		
METHOD	57 1 💢 CABLE TOOL 2 🗌 ROTARY (CONVEN) 3 🔲 ROTARY (REVERSE						+
-	N 4 C ROTARY (AIR) S AIR PERCUSSION	DRIVING DIGGING OTHER	CON DRILLERS REMA	IAN SOE ROAD		REAL	ROAD
NAME OF WELL C		FIL RILLING 3142		SA CONTRACTOR	33-62 DATE RECEIVED	JUN 13	1988
ADDRESS ADDRESS AR2 (NAME OF WELL)	AGH ESON W. CARLETON	PLACE		PECTION			
NAME OF WELL	ATECHNICLAN	64 WELL TECHNICIANS LICENCE NUMBER T-0194	D REMARKS				
SIGNATURE OF	ALL TOLOGY	10 MISSION DATE	OFFICE				ssifer
MINICTRY	F THE ENVIRONI		· · · ·		F	DRM NO. 0506 (1	11/86) FORM 9

			т	* []}	. Mar					
Mini	•						Water Resou			
of th Envi	ie ironment		W	∆`	ER	W	ELL	RE	CO	R
Intario		SPACES PROVIDED	[11	ר ד	5225	96		5 .		
OUNTY OR DISTRICT	2. CHECK 🔀 CORF	TOWNSHIP, BOP	ROUGH CITY, TOWN, VI				BLOCK, TRACT, SURV			22 23 LOT 25-2
Ottas	va-Carleton	West	Carleton -	Huntl	ey		Conc.	DATE COMP	PLETED	6
			017 Route :				· · · · ·	DAY	мо	<u>YR.</u> 88
1 2	10 12	17 10	47NG		ELEVATION			" 		
• • • •		OG OF OVERE	URDEN AND B	EDROCI		LS (SEE)	NSTRUCTIONS)			
GENERAL COLOUR	MOST COMMON MATERIAL		THER MATERIALS			GENER	AL DESCRIPTION		DEPTH FROM	- FEET TO
Brown	Clay				Pa	cked			0	6
Gray	Clay	Boulder	s		Pa	cked			6	9
Gray	Clay	Sand &	· · · · · · · · · · · · · · · · · · ·			cked			9	16
Gray	Limestone	Brown]	layers		Me	dium			16	125
				<u> </u>						
			10 - 10 - 10	· · · · · · · · · · · · · · · · · · ·						
								<u></u>		
31										
			32		<u></u>			31-33 DIAME	TER 34-38 L	75 [
WATER FOUND		INSIDE	SING & OPEN H	DEP	CORD		TNOI		INCHES	FE
	FRESH 3 SULPHUR	INCHES	TERIAL THICKNESS INCHES	FRUM	TO 13-16	S CR	RIAL AND TYPE		DEPTH TO TOP OF SCREEN	41-44 FEET
15-10 I	6 □ GAS		LVANIZED NCRETE EN HOLE	0	22	[61]	PLUGGIN	G & SEAL		
	FRESH 3 . SULPHUR 24	17-18 1 D STE	19		20-23	DEPTH	SET AT - FEET	MATERIAL AND		NT GROUT
	SALTY 4 CIMINERALS 6 CIGAS FRESH 3 SULPHUR	1 ≤ 3 □ co	NCRETE EN HOLE Istic	22	125	1	0-13 14-17			
2 []	SALTY 4 □ MINERALS 6 □ GAS FRESH 3 □ SULPHUR	24-25 1 🗆 STE 2 🗆 GAI 3 🗆 COI	26 EL LVANIZED NCRETE		27-30		8-21 22-25			
	A □ MINERALS SALTY 6 □ GAS	4 0 0 PL	EN HOLE							
71 PUMPING TEST NET	HOD 10 PUMPING RAT	е 11-14 du 20 gpm _	RATION OF PUMPING 15-16 2 HOURS	17-18		L	OCATION (OF WEL	L	
STATIC LEVEL	WATER LEVEL 25	LEVELS DURING	1 PUMPING 2 RECOVERY		LOT LI		OW SHOW DISTANC DICATE NORTH BY A		FROM ROAD A	ND
	22-24 15 MINUTES 26-	28 29-31	45 MINUTES 60 MIN 31-34	UTES 35-37	Conc. H		1. the a			
	20 FEET 20 FE 38-41 PUMP INTAKE	ET 20 FEET	20 FEET 20) FEET			A lis	ne		
GIVE RATE	GPN MP TYPE RECOMMENDE		CLEAR 1 CL	OUDY					0.00	
G SHALLOW	DEEP SETTING	60 FEET RA	mping te 5	GPM		ď.	4	- 90m	-	
	S4 1 CL WATER SUPPLY	- [] ARAND	DNED. INSUFFICIENT SU			Z	5°'6"\.	AA OI + 10	es ,	
FINAL STATUS	2 DOBSERVATION WE		NED POOR QUALITY			d-		a	daptor.	
OF WELL	RECHARGE WELL S-S6 1 T DOMESTIC	9 🗆 DEWATE 5 🗌 COMMERCIA	·····		0	ġ				
WATER	2 🗌 STOCK 3 🗍 IRRIGATION	6 🗌 MUNICIPAL 7 🗍 PUBLIC SUF	PLY		(m ^{.3} .	27				
USE	4 I INDUSTRIAL		AIR CONDITIONING		C.	\sim	N#5			
METHOD	57 1 CABLE TOOL 2 ROTARY (CONVEN		BORING DIAMOND							
OF CONSTRUCTIO	3 C ROTARY (REVERSE	E) • 🗆	JETTING DRIVING						38	189
NAME OF WELL	AIR PERCUSSION	<u> </u>	DIGGING OTHER		DRILLERS REMARK			DATE RECEIVE		63-68
1	L Water Supply	Ltd.	LICENCE NUMB	ER	DATA SOURCE		1558	SEP	01 198	8
Capita ADDRESS BOX 49	0; Stittsville	, Ont. KOA	3G0	11.	u l	CTION	INSPECTOR			
S. Mil	L TECHNICIAN		WELL TECHNIC LICENCE NUME							
SIGNATURE OF	TECHNICIAN/CONTRACTOR	SU BMISS	ПОN DATE 24 мо. С. т.	- PU	OFFICE					Gr
	Y OF THE ENVIRO							FO	CSS. RM NO. 0506 (1	1/86) FORM

of the	histry he	,				ater Resource		
Ontario Env	vironment	SPACES PROVIDED	1	5232				
COUNTY OR DISTRICT		TOWNSHIP BOROUGH, CITY.			CON. BI	10 14	15	LOT 23-27
()-rai	In (DPLET	VI ILES	ST CARL	ETOU		#3	DATE COMPLETED	6
		RA	t 2	Ca	np			, <u>9</u> , <u>88</u>
		інс <u>1 1 1</u>		ELEVATION		ASIN CODE		
	i2	OG OF OVERBURDEN	AND BEDROCH	MATERIA		ST TRUCTIONS 1		47
GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATE	ERIALS		GENERAL	DESCRIPTION	FR	DEPTH - FEET
BROWN	Brusil				Pac	KED		γ 1^{\prime}
BRANN	Sand	·			Fin			10
BROVEN	SPAN	BOULDER	SGRAUE	2	LOOSE	-	10	5 16
GREY	LIMESTONE	BLACKLIMES	TONE & QU	nerz)	Ma	D. HARI	0 10	5 45
			Z			<i>v_f,,,,</i> ,,		
	_		¢					
			~					
		51 CASING & C					-33 DIAMETER	75 80 34-38 LENGTH 39-40
WATER FOUND AT - FEET	KIND OF WATER	INSIDE DIAM MATERIAL						CHES FEET
A / 10-13 ' B		INCHES		10	H MATERIA	AND TYPE	DEPTH OF SCR	TO TOP 41-44 30 LEN FEET
11, 15-16 1 0	FRESH 3 C SULPHUR	2 GALVANIZED 3 CONCRETE 4 OPEN HOLE	,108 0	17	[61]	PLUGGING	& SEALING I	
		1 5 PLASTIC	100	20-22	DEPTH SEL	AT FEET MA	ERIAL AND TYPE	(CEMENT GROUT LEAD PACKER ETC)
	4 C MINERALS 5 SALTY 6 G GAS FRESH 3 C SULPHUR 29	G 3 D CONCRETE 4 DOPEN HOLE 5 D PLASTIC	19	45	Ø ¹⁰⁻¹³	19"	FMENT	GROAT
2 [SALTY 6 GAS	Z4-Z5 1 STEEL 2 GALVANIZED 3 CONCRETE		27-30	18-21	¥22-25		
1 1 1	☐ FRESH 3 ☐ SULPHUR 34 ☐ MINERALS ☐ SALTY 6 □GAS	4 OPEN HOLE 5 DPLASTIC			26-29	30-33 80]
71 PUMPING TEST ME	THOD 10 PUMPING RATI		s 17-18		LO	CATION OF	WELL	
STATIC LEVEL	WATER LEVEL 25	EVELS DURING	PUMPING RECOVERY	IN DIA LOT L		SHOW DISTANCES		IOAD AND
		30 MINUTES 45 MINUTES	60 MINUTES -	<u> </u>	CARP		์ร	
	T FEET FEET FE		ET FEET	~ 10				
d Give Rate			•••		CHAP	REG	5	
			2 CLOUDY		<u>, Caxp</u>	KEg	<u>s</u>	1
S C FEE IF FLOWING. GIVE RATE RECOMMENDED PL RECOMMENDED PL SHALLOW	JNP TYPE RECOMMENDED							FAN
RECOMMENDED PU	JMP TYPE RECOMMENDED PUMP W DEEP SETTING	D 43-45 RECOMMENDED PUMPING	2 CLOUDY			NE U		FAN
SHALLOW	JNP TYPE RECOMMENDED PUMP W DEEP SETTING S4 1 WATER SUPPLY 2 DOBSERVATION WEI	A3-A3 RECOMMENDED JUMPING FEET RATE ABANDONED, INSUFF ABANDONED, INSUFF	CLOUDY				~ 7	KAN A
FINAL STATUS OF WELL	JNP TYPE RECOMMENDED PUMP W DEEP SETTING 4 1 WATER SUPPLY 2 0BSERVATION WED 3 TEST HOLE 4 RECHARGE WELL		CLOUDY					KAN A
FINAL STATUS OF WELL	JNP TYPE RECOMMENDED PUMP W DEEP SETTING S4 1 WATER SUPPLY 2 OESERVATION WEI 3 TEST HOLE 4 RECHARGE WELL 55-54 1 DOMESTIC 2 STOCK		CLOUDY				~ 7	KAN A
FINAL STATUS OF WELL	JNP TYPE RECOMMENDED PUMP W DEEP SETTING 4 1 WATER SUPPLY 2 OBSERVATION WEI 3 TEST HOLE 4 RECHARGE WELL 55-56 1 DOMESTIC	A3-45 RECOMMENDED A3-45 RECOMMENDED PUMPING FEET RATE ABANDONED. INSUFF ABANDONED POOR (7 UNFINISHED 9 DEWATERING 5 COMMERCIAL	CLOUDY				~ 7	KAN A
FINAL STATUS OF WELL WATER USE	JMP TYPE RECOMMENDED PUMP W DEEP SETTING S4 1 WATER SUPPLY 2 OBSERVATION WEL 3 TEST HOLE 4 RECHARGE WELL S5-54 1 DOMESTIC 2 STOCK 3 IRRIGATION 4 INDUSTRIAL		CLOUDY			NEW	House	
FINAL STATUS OF WELL WATER USE METHOD OF	JNP TYPE RECOMMENDED PUMP W DEEP SETTING 4 1 WATER SUPPLY 2 OESERVATION WEI 3 TEST HOLE 4 RECHARGE WELL 55-54 1 DOMESTIC 2 STOCK 3 IRRIGATION 4 INDUSTRIAL 0 OTHER 57 1 CABLE TOOL 2 ROTARY (CONVEN) 3 ROTARY (REVERSE	A3-43 RECOMMENDED A3-44 RECOMMENDED PUMPING FEET RATE RATE B ABANDONED. INSUFF LL ABANDONED POOR (Y UNFINISHED 9 DEWATERING 5 COMMERCIAL 6 MUNICIPAL 7 PUBLIC SUPPLY 0 COOLING OR AIR CONDIT Y NOT 6 BORING TIONAL) 7 DIAMOND 1	CLOUDY			NEW	House	
FINAL STATUS OF WELL WATER USE METHOD	JNP TYPE RECOMMENDED PUMP W DEEP SETTING 4 1 WATER SUPPLY 2 OESERVATION WEI 3 TEST HOLE 4 RECHARGE WELL 55-54 1 DOMESTIC 2 STOCK 3 IRRIGATION 4 INDUSTRIAL 0 OTHER 57 1 CABLE TOOL 2 ROTARY (CONVEN) 3 ROTARY (REVERSE	A3-43 RECOMMENDED A3-43 RECOMMENDED PUMPING PUMPING FEET RATE B ABANDONED. INSUFF LL ABANDONED POOR (7 UNFINISHED 9 DEWATERING 5 COMMERCIAL 6 MUNICIPAL 7 PUBLIC SUPPLY • COOLING OR AIR CONDIT • BORING TIONAL) 7 DIAMOND E) 4	CLOUDY		LA	NEW	House	39003
FINAL STATUS OF WELL WATER USE METHOD OF CONSTRUCTI	JNP TYPE RECOMMENDED W DEEP RECOMMENDED St 1 WATER SUPPLY 2 OBSERVATION WEI 3 TEST HOLE 4 RECHARGE WELL SS-S6 1 DOMESTIC 2 STOCK 3 3 IRRIGATION 4 INDUSTRIAL 57 1 CABLE TOOL 2 ROTARY (CONVEN) 3 ROTARY (AIR) 57 ICABLE TOOL 2 ROTARY (CONVEN) 3 ROTARY (AIR) 5 IAIR PERCUSSION	Image: Contract of the second method of the second method of the second method of the second method of the second of the seco	CONTRACTOR'S	IRILLERS REMAR)	L A 4	NE W	House	39003
FINAL STATUS OF WELL WATER USE METHOD OF CONSTRUCTI	JNP TYPE RECOMMENDED W DEEP RECOMMENDED St 1 WATER SUPPLY 2 OBSERVATION WEI 3 TEST HOLE 4 RECHARGE WELL SS-S6 1 DOMESTIC 2 STOCK 3 3 IRRIGATION 4 INDUSTRIAL 57 1 CABLE TOOL 2 ROTARY (CONVEN) 3 ROTARY (AIR) 57 ICABLE TOOL 2 ROTARY (CONVEN) 3 ROTARY (AIR) 5 IAIR PERCUSSION		CONTRACTOR'S	IRILLERS REMAR)	لم الم الم الم	NE W	House House	39003
FINAL STATUS OF WELL WATER USE METHOD OF CONSTRUCTI	JNP TYPE RECOMMENDED W DEEP RECOMMENDED St 1 WATER SUPPLY 2 OBSERVATION WEI 3 TEST HOLE 4 RECHARGE WELL SS-S6 1 DOMESTIC 2 STOCK 3 3 IRRIGATION 4 INDUSTRIAL 57 1 CABLE TOOL 2 ROTARY (CONVEN) 3 ROTARY (AIR) 57 ICABLE TOOL 2 ROTARY (CONVEN) 3 ROTARY (AIR) 5 IAIR PERCUSSION	A J-45 RECOMMENDED D AJ-45 RECOMMENDED DUMPING PLL RATE ABANDONED. INSUFF ABANDONED. INSUFF ABANDONED POOR (7 UNFINISHED 9 DEWATERING 3 COMMERCIAL 1 MUNICIPAL 7 DUBLIC SUPPLY 1 COOLING OR AIR CONDIT 1 DIAMOND 1 DIGGING 1 DIGGING WELL LICENT	CONTRACTOR'S	IRILLERS REMAR)	لم الم الم الم	NE W XE XE XE ZZZ	House House	39003
FINAL STATUS OF WELL WATER USE METHOD OF CONSTRUCTI	JMP TYPE RECOMMENDED W DEEP PUMP St 1 WATER SUPPLY 2 OBSERVATION OBSERVATION 3 TEST HOLE 4 RECHARGE WELL 35-34 1 DOMESTIC 2 STOCK 3 3 IRRIGATION 4 INDUSTRIAL 1 OTHER 37 1 2 ROTARY (COVVEN) 3 BOTARY (COVVEN) 3 BOTARY (AIR) 1 AIR PERCUSSION	A J-45 RECOMMENDED D AJ-45 RECOMMENDED DUMPING PLL RATE ABANDONED. INSUFF ABANDONED. INSUFF ABANDONED POOR (7 UNFINISHED 9 DEWATERING 3 COMMERCIAL 1 MUNICIPAL 7 DUBLIC SUPPLY 1 COOLING OR AIR CONDIT 1 DIAMOND 1 DIGGING 1 DIGGING WELL LICENT	CONTRACTOR'S	IRILLERS REMAR)	L A 54 CON 54 CON	NE W XE XE XE ZZZ	-well JAN 09	39003
FINAL STATUS OF WELL WATER USE METHOD OF CONSTRUCTI	JNP TYPE RECOMMENDED PUMP W DEEP SETTING S4 1 WATER SUPPLY 2 OBSERVATION WEL 3 TEST HOLE 4 RECHARGE WELL 35-56 1 B DOMESTIC 2 STOCK 3 IRRIGATION 4 INDUSTRIAL 0 OTHER S7 1 CABLE TOOL 2 ROTARY (CONVEN 3 ROTARY (COVVEN 3 ROTARY (COVVEN 3 ROTARY (COVVEN 3 ROTARY (CAVERSE 0 N BOTARY (CAVERSE 0 N GOVEN CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR	Image: Contract of the second method of the second of the seco	CONTRACTOR'S	IRILLERS REMAR)	L A 54 CON 54 CON	NE W XE XE XE ZZZ	-well JAN 09	39003

Minis of the Envir	•	WAT		o Water Resources Act	CO	RD
Ontario	1. PRINT ONLY IN 2. CHECK 🗵 CORR	SPACES PROVIDED	1523820		N	03
COUNTY OR DISTRICT		TOWNSHIP, BOROUGH, CITY, TOWN VILLAGE	c	ON BLOCK TRACT SURVEY ETC		ot 25-27 6
		. #3 Carp,Onta	rio KON 110	DATE COM		
					i l	
	M 10 12	G OF OVERBURDEN AND BEDRO			<u> </u>	47
GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS		NERAL DESCRIPTION	DEPTH -	FEET
Brown	Sand	Stones]	Loose	0	6
Gray	Sand	Boulders	1	Packed	6	20
Gray	Limestone	Black Layers	1	Medium Soft	20	260
1						
				11 Et 1 1 1 1		
31 <u>111</u> 32 111		<u>└╷╷╷╷╷╷╷╷╷╷╷╷</u>		Ĵ <mark>└╻╷╷╎</mark> ╷╽╻╵╷╵╵		
1 2 10		51 CASING & OPEN HOLE F	RECORD	54 65 SIZE(S) OF OPENING 31-33 DIAM (SLOT NO.)	ETER 34-38 LI	75 80 ENGTH 39-40
WATER FOUND AT - FEET	KIND OF WATER	INSIDE WALL DIAM MATERIAL THICKNESS INCHES INCHES FR		MATERIAL AND TYPE	INCHES DEPTH TO TOP OF SCREEN	FEET 41-44 30
22 2	U L GAS	6 1/4 1 STEEL 12 2 GALVANIZED -188 3 CONCRETE	0 22 [°]	er -		FEET
110	SALTY 6 CI GAS	4 DOPEN HOLE 5 DPLASTIC 17-18 1 DSTEEL	20-23 DE	PLUGGING & SEA		NT GROUT
2 🗆	FRESH 3 DSULPHUR 4 DMINERALS 5ALTY 6 DGAS	5 7/8 5 CONCRETE 5 000000000000000000000000000000000000	22 260	ROM TO 10-13 14-17		CKER. ETC)
2 [] 30-33 1 []	FRESH 3 □ SULPHUR 29 4 ■ MINERALS 6 □ GAS FRESH 3 □ SULPHUR 34 4 ■ MINERALS SALTY 6 □ GAS	24-25 1 STEEL 26 2 GALVANIZED	27-30	Grouted Ce 26-29 30-33 90	ment	
71 PUMPING TEST MET				LOCATION OF WE	LL	
I PUMP STATIC LEVEL 19-21	WATER LEVEL 25	Z GPM HOURS MINS LEVELS DURING 1 PUMPING 2 1 RECOVERY 30 MINUTES 45 MINUTES 60 MINUTES 18 29-31 32-34 35-37	IN DIAGRAM LOT LINE	BELOW SHOW DISTANCES OF WELL INDICATE NORTH BY ARROW.	FROM ROAD AI	ND
	1255EET 120FE 38-61 PUMP INTAKE					
S FEET IF FLOWING, GIVE RATE				τ		
C SHALLOW	DEEP SETTING	250 FEET RATE 2 GPM			2	
FINAL	S4 WATER SUPPLY	S ABANDONED, INSUFFICIENT SUPPLY		/ ご う	A	
STATUS OF WELL	2 DOBSERVATION WE 3 D TEST HOLE 4 D RECHARGE WELL	LL 6 ABANDONED POOR QUALITY 7 UNFINISHED Dewatering		ardevco	Carp Rd	
1			75'	Ú Ú		
WATER USE	3 IRRIGATION 4 INDUSTRIAL 0 OTHER	PUBLIC SUPPLY COOLING OR AIR CONDITIONING	98'			
METHOD OF CONSTRUCTIO	CABLE TOOL CABLE TOOL CONVER CONVER CONVER CONVER CONVER CONVER		R & O	nardson side R	× 50	876
	Water Supply		DATE OF INSPECTION	SE CONTRACTOR SP-62 DATE RECEIVA		63-68 80
Box 490) Stittsville,	Ontario K2S 1A6				
J. MOOT	TECHNICIAN / CONTRACTOR		OFFICE			-
	OF THE ENVIRON			Jan State F	ORM NO. 0506 (1	

	nistry		The	Ontario Water Resour	ces Act	
of t	he			WELL		RD
Ontario	vironment			799 NUNICIP	CON,	
	and the second se	ECT BOX WHERE APPLICABLE	2		4 15	
	. C	TOWNSHIP, BOROUGH, CITY, TOWN, V	///	UTLEV CON # 3	Y, EIC	LOT 23-27
		s II	. 0		DATE COMPLETED	
		HING	RC. ELEVATION		11 11 114	
1 2	M 10 12					
	MOST	OG OF OVERBURDEN AND		GENERAL DESCRIPTION	·····	- FEET
GENERAL COLOUR					FROM	το 2′·
BROWN	0	PILA		PACKED		3
1DROWN		Doulders.		hoose	N R'	17'
DROWN	GRAVEL	Doulders.	· · · · · · · · · · · · · · · · · · ·	MED	12'	50'
GREY	6 IMESTONE				· · · ·	-0
	A .	,				· ·
				5		
						ļ
	┙┽┼╍┽┲┽┥╎┲╍╍	┼┼╍┼╍┤╹┥╹			<u>↓</u> ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓	
				SIZE-5: OF OPENING	5 31-33 DIAMETER 34-38	LENGTH 39-40
41 W	ATER RECORD	51 CASING & OPEN	DEPTH - FEET	W MATERIAL AND TYPE	INCHES	FEET
2 19-12 1	FRESH 3 SULPHUR 14	INCHES INCHE	S FROM TO	NATERIAL AND TYPE	DEPTH TO TOP OF SCREEN	41-44 30 FEET
/15-10 1	FRESH 3 USULPHUR	Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concre	3 0 22**	61 PLUGGIN	G & SEALING RECO	
112	G GAS	5 UPLASTIC	1 1	1101	d d SEAEnid neod	ן טחע
	FRESH 3 SULPHUR 24	17-18 1 STEEL 19	20-2	DEPTH SET AT - FEET		ENT GROUT
7	SALTY 6 GAS	0 0 0 0 0 0 0 0 0 0 0 0 0 0	22' 50'	DLPTH SET AT - FEET		ENT GROUT ACKER, ETC)
25-28 1 1 1 1 1 2 2 2 2	□ SALTY 4 □ MINERALS 6 □ GAS □ FRESH 3 □ SULPHUR 29 □ SALTY 4 □ MINERALS 6 ⊕ □ GAS	6 11 1 STEEL 2 □ GALVANIZED 3 □ CONCRETE 4 OFFEN HOLE 5 □ PLASTIC 24-25 1 □ STEEL 2 □ GALVANIZED 24-26 1 2 □ SALVANIZED		DEPTH SET AT FEET FROM TO 00 10-13 20 4-17 10 10 10 10 10 10 10 10 10 10 10 10 10	MATERIAL AND TYPE	ENT GROUT ACKER, ETC)
25-28 1 2 2 2 2 2 2 2 2 2 2 3 2 0-33 1	SALTY 4 IMINERALS 6 GAS GAS FRESH 3 ISULPHUR 4 OMINERALS 29	6 11 1 STEEL 2 □ GALVANIZED 3 □ CONCRETE 4 OFFEN HOLE 5 □ PLASTIC 24-25 1 □ STEEL 2 □ GALVANIZED 24-26 1 2 □ SALVANIZED	22' 50'	DEPTH SET AT - FEET FROM TO 010-13 20 4-17 (MATERIAL AND TYPE	ENT GROUT ACKER, ETC)
25-28 1 30-33 1 2 71 PULIFING TEST N	SALTY 4 MINERALS G GAS SULPHUR FRESH 3 SULPHUR SALTY 4 MINERALS FRESH 3 SULPHUR SALTY 6 GAS SALTY 6 GAS	6 11 1 STEEL 3 □ GONCRETE 3 □ CONCRETE 4 □ GOPEN HOOLE 5 □ PLASTIC 24-23 1 □ STEEL 2 □ GALVANIZED 3 □ GONCRETE 4 □ OPEN HOLE 5 □ PLASTIC E 11-14 OURATION OF PUMPING 15-16	22' 50'	DEPTH SET AT FEET FROM TO 00 10-13 20 4-17 10 10 10 10 10 10 10 10 10 10 10 10 10	MATERIAL AND TYPE LEAD P	ENT GROUT ACKER, ETC)
25-28 1 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2	SALTY 4 ÚMINERALS G GAS FRESH 3 SULPHUR 29 A MINERALS SALTY 4 ÚMINERALS SALTY 4 ÚMINERALS SALTY 6 GAS SALTY 6 GAS SALTY 6 GAS SALTY 6 ØAS SALTY 6 ØAS		22' 50' 27-3 17-18 MINS	DEPTH SET AT - FEET FROM TO 10-13 20 4-17 10-13 22-25 26-20 30-33 60 LOCATION (DIAGRAM BELOW SHOW DISTANC)	MATERIAL AND TYPE LEAD P CEMENT GAC DF WELL ES OF WELL FROM ROAD	ENT GROUT ACKER ETC ;
71 PUMPING TEST A STATIC LEVEL	SALTY 4 MINERALS FRESH 3 SULPHUR SALTY 4 MINERALS SALTY 4 MINERALS FRESH 3 SULPHUR SALTY 6 GAS SALTY 6 GAS MINERALS 6 GAS METHOD 10 PUMPING RATION VATER LEVEL 25 WATER LEVEL 25	1 STEEL 2 GALVANIZED 3 CONCRETE 4 OPEN HOLE 5 PLASTIC 2 GALVANIZED 3 CONCRETE 4 OPEN HOLE 5 PLASTIC 2 GALVANIZED 3 CONCRETE 4 OPEN HOLE 5 PLASTIC 4 OPEN HOLE 600 IS-IG 600 IS-IG 90 IS-IG	22' 50' 27-3 17-18 MINS	DEPTH SET AT FEET FROM TO 10-13 20 4-17 10-13 20 4-17 10-22-25 24-29 30-33 60 LOCATION C DIAGRAM BELOW SHOW DISTANCE	MATERIAL AND TYPE LEAD P CEMENT GAC DF WELL RROW T T T T T T T T T T T T T	ENT GROUT ACKER ETC ;
25-28 1 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2	SALTY 4 MINERALS G GAS 5 GAS FRESH 3 SULPHUR SALTY 4 MINERALS G GAS 5 GAS FRESH 3 SULPHUR SALTY 6 GAS FRESH 3 SULPHUR SALTY 6 GAS FRESH 3 SULPHUR SALTY 6 GAS MATER LEVEL 25 WATER LEVEL 25 WATER LEVEL 25 PUMPING 15 MINUTES	6 1 STEEL 2 GAUVANIZED 3 CONCRETE 4 OPEN HOLE 5 PLASTIC 24-23 I 3 CONCRETE 4 OPEN HOLE 5 PLASTIC 2 GAUVANIZED 3 CONCRETE 4 OPEN HOLE 5 PLASTIC 16 OURATION OF PUMPING 17 HOURS LEVELS DURING 1 18 20-31 30 MINUTES 45 MINUTES 18 20-31 19-34 S2-34 60 / FEET	22' 50' 27-3 17-10 MINS 11N LOT LOT	DEPTH SET AT - FEET FROM TO 10-13 20 4-17 10-13 22-25 26-20 30-33 60 LOCATION (DIAGRAM BELOW SHOW DISTANC)	MATERIAL AND TYPE LEAD P CEMENT GAC DF WELL ES OF WELL FROM ROAD	ENT GROUT ACKER ETC ;
25-28 1 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2	SALTY 4 MINERALS SALTY 4 MINERALS GAS FRESH 3 SULPHUR SALTY 4 MINERALS SALTY 4 MINERALS SALTY 6 GAS SALTY 6 G	1 0 STEEL 2 GALVANIZED 3 CONCRETE 4 OPEN HOLE 5 0 24-25 1 3 CONCRETE 4 OPEN HOLE 5 0 3 CONCRETE 4 OPEN HOLE 5 DASTIC 2 GALVANIZED 3 CONCRETE 4 OPEN HOLE 5 DLASTIC 2 RECOVEF 30 MINUTES 30 SUBATIC 45 MINUTES	22 50 27-3 17-18 MINS 1NUTES 35-37 FEET 42 CLOUDY	DEPTH SET AT - FEET FROM TO 10-13 20 4-17 10-13 22-25 26-20 30-33 60 LOCATION (DIAGRAM BELOW SHOW DISTANC)	MATERIAL AND TYPE LEAD P CEMENT GAC DF WELL RROW T T T T T T T T T T T T T	ENT GROUT ACKER ETC ;
71 PULIFING TEST A TO -33 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1	SALTY 4 UMINERALS SALTY 4 UMINERALS G GAS SALTY 4 UMINERALS SALTY 4 UMINERALS SALTY 4 UMINERALS SALTY 6 GAS S	1 0 STEEL 2 GALVANIZED 3 CONCRETE 4 OPPEN HOLE 5 0 24-25 1 3 CONCRETE 4 OPPEN HOLE 5 0 3 CONCRETE 4 OPPEN HOLE 5 DASTIC 24-25 SENTIC 24-25 DURATION OF PUMPING 3 CONCRETE 4 OPPEN HOLE 5 DASTIC 2 RECOVEF 4 OPPEN HOLE 5 DASTIC 2 RECOVEF 4 OPPEN HOLE 2 RECOVEF 30 MINUTES 30 MINUTES 30 MINUTES 30 SET AT WATER AT END OF TEST 6 FEET 1 CLEAR	22 50 27-3 17-10 MINS MINUTES ,35-37 FEET 42	DEPTH SET AT - FEET FROM TO 10-13 20 4-17 10-13 22-25 26-20 30-33 60 LOCATION (DIAGRAM BELOW SHOW DISTANC)	MATERIAL AND TYPE LEAD P CEMENT GAC DF WELL RROW IS I 15	ENT GROUT ACKER. ETC) DCCT -
71 PULIFING TEST A TOPUM TOPUM STATIC LEVEL IF FLOWING GIVE RATE RECOMMENDED	□ SALTY 4 UMINERALS □ SALTY 4 UMINERALS □ FRESH 3 USULPHUR 29 ↓ MINERALS □ SALTY 4 UMINERALS □ SALTY 6 GAS □ FRESH 3 USULPHUR 34 ↓ MINERALS □ SALTY 6 GAS WATER LEVEL 25 WATER LEVEL 26-2 FEET FEET FE 0 GPM 0 PUMP TYPE RECOMMENDE PUMP TYPE RECOMMENDE PUMP SETTING	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	22 50 27-3 17-18 MINS MINTES 35-37 FEET 42 CLOUDY 46-49 GPM	DEPTH SET AT - FEET FROM TO 10-13 20 4-17 10-13 22-25 26-20 30-33 60 LOCATION (DIAGRAM BELOW SHOW DISTANC)	MATERIAL AND TYPE LEAD P CEMENT GAC DF WELL RROW IS I 15	ENT GROUT ACKER. ETC) DCCT -
71 PULIFING TEST A TO -33 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1	□ SALTY 4 UMINERALS □ SALTY 4 UMINERALS □ FRESH 3 USULPHUR 29 □ SALTY 4 UMINERALS □ SALTY 4 UMINERALS □ SALTY 6 GAS □ FRESH 3 USULPHUR 34 □ MINERALS □ SALTY 6 GAS ■ MINERALS ■ MINERALS ■ SALTY 6 GAS ■ MINERALS ■ SALTY 6 GAS ■ MINERALS ■ MINERALS ■ MINERALS ■ MINERALS ■ MINERALS ■ SALTY 6 GAS ■ MINERALS ■		22 50' 27-3 17-16 MINS IN C UDT AINUTES 35-32 FEET 42 CLOUDY 46-49 GPM SUPPLY	DEPTH SET AT - FEET FROM TO 10 10 10-13 20 10-13 20 10 10-13 20 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-2	MATERIAL AND TYPE LEAD P CEMENT GAC DF WELL RROW IS I 15	AND
25-28 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1		ABANDONED, INSUFFICIENT ABANDONED, INSUFFICIENT ABANDONED, INSUFFICIENT ABANDONED, INSUFFICIENT ABANDONED, INSUFFICIENT ABANDONED, INSUFFICIENT	22 50' 27-3 17-16 MINS IN C UDT AINUTES 35-32 FEET 42 CLOUDY 46-49 GPM SUPPLY	DEPTH SET AT - FEET FROM TO 10-13 20 4-17 10-13 22-25 26-20 30-33 60 LOCATION (DIAGRAM BELOW SHOW DISTANC)	MATERIAL AND TYPE LEAD P CEMENT GAC DF WELL RROW IS I 15	AND
25-28 1 2 12 10-33 1 2 71 PULIFING TEST A STATIC LEVEL STATIC LEVEL STATIC LEVEL BU GIVE RATE RECOMMENDED STALL STATUS	□ SALTY 4 MINERALS □ FRESH 3 SULPHUR 29 □ SALTY 4 MINERALS 21 □ FRESH 3 SULPHUR 34 □ BAILER 1 WATER LEVEL ■ FRESH 22-24 15 NINUTES 20 FEET FEET FEET 9 FEET FEET FEET 9 FEET FEET FEET 9 GPM MATER SUPPLY 2 0 DESERVATION WEI 3 1 34 1 WATER SUPPLY 2 0 DESERVATION WEI 3 1 35-36 1 MATER SUPPLY 2 OBSERVATION WEI 3 35-36 1 SATION		22 50' 27-3 17-16 MINS IN C UDT AINUTES 35-32 FEET 42 CLOUDY 46-49 GPM SUPPLY	DEPTH SET AT - FEET FROM TO 10 10 10-13 20 10-13 20 10 10-13 20 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-2	MATERIAL AND TYPE LEAD P CEMENT GAC DF WELL RROW IS I 15	AND
Z5-24 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1	□ SALTY 4 MINERALS □ FRESH 3 SULPHUR 29 □ SALTY 4 MINERALS □ FRESH 3 SULPHUR 34 □ BAILER 15 MINUTES 2 BAILER 26-2 WATER LEVEL 25 WATER L PUMPING FEET FEET 20 FEET FEET 20 FEET FEET 0 DEEP SETTING 34 1 WATER SUPPLY 2 OBSERVATION WEI 3 TEST HOLE 4 RECHARGE WELL		22 50 27-3 17-16 MINUTES 35-32 FEET 42 CLOUDY 46-69 GPM SUPPLY	DEPTH SET AT - FEET FROM TO 10 10 10-13 20 10-13 20 10 10-13 20 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-2	MATERIAL AND TYPE LEAD P CEMENT GAC DF WELL RROW IS I 15	AND
25-24 1 2 12 12 14 15 15 15 15 15 15 15 15 15 15 15 15 15	□ SALTY 4 MINERALS □ FRESH 3 SULPHUR 29 □ SALTY 4 MINERALS □ FRESH 3 SULPHUR 34 □ BAILER WATER LEVEL 25 WATER LEVEL 25 WATER LEVEL 26-2 21 20 FEET FEET 220 FEET FEET FEET 24 20 FEET FEET 90 DEEP SETTING 90 90 DEEP SETTING 90 90 TEST HOLE 4 RECOMMENDE 90 TEST HOLE 4 RECHARGE WELL 53-54 1 FREGHARGE WELL 53-54 1 ROMESTIC 2 STOCK 3 IRRIGATION 4 INDUSTRIAL OTHER		22 50 27-3 17-16 MINUTES 35-32 FEET 42 CLOUDY 46-69 GPM SUPPLY	DEPTH SET AT - FEET FROM TO 10 10 10-13 20 10-13 20 10 10-13 20 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-2	MATERIAL AND TYPE LEAD P CEMENT GAC DF WELL RROW IS I 15	AND
Z5-24 1 2 12 12 12 12 12 12 12 12 12	□ SALTY 4 MINERALS □ FRESH 3 SULPHUR 29 □ SALTY 4 MINERALS □ FRESH 3 SULPHUR 34 □ FRESH 6 GAS GAS ■ WATER LEVEL 25 WATER LEVEL ET PUMPING FEET FE 0 FEET FE FE 0 FEET FE FE 0 BSSERVATION WEI 5 1 2 OBSERVATION WEI 3 TEST HOLE 4 INDUSTRIAL INDUSTRIAL 2 CABLE TOOL 2 3 INDUSTRIAL OTHER		22 50 27-3 17-16 MINUTES 35-32 FEET 42 CLOUDY 46-69 GPM SUPPLY	DEPTH SET AT - FEET FROM TO 10 10 10-13 20 10-13 20 10 10-13 20 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-25 22-2	MATERIAL AND TYPE LEAD P COMENT GAC DF WELL ES OF WELL FROM ROAD A RROW. IS 15 15 15 15 15 15 15 15 15 15	AND
25-24 1 2 0-33 1 2 71 PULIFING TEST A TIC LEVEL STATIC LEVEL B STATIC LEVEL B FINAL STATUS OF WELL WATER USE METHOD	□ SALTY 4 MINERALS □ FRESH 3 SULPHUR 29 □ SALTY 4 MINERALS □ FRESH 3 SULPHUR 34 □ FRESH 6 GAS GAS ■ WATER LEVEL 25 WATER LEVEL ET PUMPING FEET FE 0 FEET FE FE 0 FEET FE FE 0 BSSERVATION WEI 5 1 2 OBSERVATION WEI 3 TEST HOLE 4 INDUSTRIAL INDUSTRIAL 2 CABLE TOOL 2 3 INDUSTRIAL OTHER		22 50 27-3 17-18 MINS IN I LOT LOT 41NUTES 35-37 FEET 42 CLOUDY 46-69 GPM SUPPLY BUPPLY DRILLERS REM	DEPTH SET AT - FEET FROM TO DI-13 204-17 22,225 26-29 30-33 60 LOCATION C DIAGRAM BELOW SHOW DISTANCI LINE INDICATE NORTH BY A YARD. GARAGE.	MATERIAL AND TYPE LEAD P COMENT GAC DF WELL ES OF WELL FROM ROAD A RROW. IS 15 15 15 15 15 15 15 15 15 15	AND
23-24 1 2 20-33 1 2 71 PULYING TEST A TIC LEVEL 17 FLOWING GIVE RATE BU RECOMMENDED GIVE RATE BO-33 FINAL STATUS OF WELL WATER USE METHOC OF CONSTRUCT	□ SALTY 4 MINERALS □ FRESH 3 USULPHUR 29 □ SALTY 4 MINERALS 60 □ FRESH 3 USULPHUR 34 □ BAILER 15 MINUERALS □ BAILER 15 MINUERALS □ FEET FEET FEET □ 72.22 15 MINUES 15 MINUES 21 20 FEET FEET FEET □ 72.24 15 MINUES 15 MINUES 22 72.24 15 MINUES 15 MINUES 22 72.24 15 MINUES 10 MINERALS 0 MATER SUPPLY 2 0 BSERVATION WEI		22 50 27-3 17-16 MINS IN I LOT ACTOR'S CER ACTOR'S COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMENTED COMMEN	ARKS	MATERIAL AND TYPE LEAD P COMENT GAC DF WELL ES OF WELL FROM ROAD A IS IS IS IS IS IS IS IS IS IS	AND AND D552
23-24 1 2 20-33 1 2 71 PULYING TEST A TIC LEVEL 17 FLOWING GIVE RATE BU RECOMMENDED GIVE RATE BO-33 FINAL STATUS OF WELL WATER USE METHOC OF CONSTRUCT	□ SALTY 4 MINERALS □ FRESH 3 USULPHUR 29 □ SALTY 4 MINERALS 60 □ FRESH 3 USULPHUR 34 □ BAILER 15 MINUERALS □ BAILER 15 MINUERALS □ FEET FEET FEET □ 72.22 15 MINUES 15 MINUES 21 20 FEET FEET FEET □ 72.24 15 MINUES 15 MINUES 22 72.24 15 MINUES 15 MINUES 22 72.24 15 MINUES 10 MINERALS 0 MATER SUPPLY 2 0 BSERVATION WEI		12.10 12.10 12.10 MINS IN I LOT AINUTES 35-32 FEET 42 CLOUDY 46-49 GPM SUPPLY IN C LOT ACTOR'S MEER DRICLERS FEM DATA SOURCE DATE OF IN U	$\frac{1}{10} \frac{1}{0} \frac{1}{10} $	IS IS IS A CONTRACT OF WELL FROM ROAD	AND AND D552
Z5-24 1 2 12 12 12 12 12 12 12 12 12	□ SALTY 4 MINERALS □ FRESH 3 USULPHUR 29 □ SALTY 4 MINERALS 60 □ FRESH 3 USULPHUR 34 □ BAILER 15 MINUERALS □ BAILER 15 MINUERALS □ FEET FEET FEET □ 72.22 15 MINUES 15 MINUES 21 20 FEET FEET FEET □ 72.24 15 MINUES 15 MINUES 22 72.24 15 MINUES 15 MINUES 22 72.24 15 MINUES 10 MINERALS 0 MATER SUPPLY 2 0 BSERVATION WEI		17-18 MINS TRY AINUTES 35-37 FEET 42 CLOUDY 46-49 GPM SUPPLY AGER DRIELERS REM ACTOR'S MEER DRIELERS REM DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE	$\frac{1}{10} \frac{1}{0} \frac{1}{10} $	MATERIAL AND TYPE LEAD P COMENT GAC DF WELL ES OF WELL FROM ROAD A IS IS IS IS IS IS IS IS IS IS	AND AND D552
23-24 1 2 20-33 1 2 71 PULYING TEST A TIC LEVEL 17 FLOWING GIVE RATE BU RECOMMENDED GIVE RATE BO-33 FINAL STATUS OF WELL WATER USE METHOC OF CONSTRUCT	□ SALTY 4 MINERALS □ FRESH 3 USULPHUR 29 □ SALTY 4 MINERALS 60 □ FRESH 3 USULPHUR 34 □ BAILER 15 MINUERALS □ BAILER 15 MINUERALS □ FEET FEET FEET □ 72.22 15 MINUES 15 MINUES 21 20 FEET FEET FEET □ 72.24 15 MINUES 15 MINUES 22 72.24 15 MINUES 15 MINUES 22 72.24 15 MINUES 10 MINERALS 0 MATER SUPPLY 2 0 BSERVATION WEI		17-18 MINS TRY AINUTES 35-37 FEET 42 CLOUDY 46-49 GPM SUPPLY AGER DRIELERS REM ACTOR'S MEER DRIELERS REM DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE	$\frac{1}{10} \frac{1}{0} \frac{1}{10} $	MATERIAL AND TYPE LEAD P COMENT GAC DF WELL ES OF WELL FROM ROAD A IS IS IS IS IS IS IS IS IS IS	AND AND D552
Z5-28 1 2 2 2 2 2 2 2 2 2 2 2 2 2	SALTY 4 UMINERALS G GAS G GAS G GAS SALTY 4 UMINERALS SALTY 4 UMINERALS SALTY 4 UMINERALS SALTY 6 GAS G GAS G GAS SALTY 6 GAS GAS SALTY 6 GAS SALTY	ABANDONED, INSUFFICIENT MUNICIPAL	12-16 12-16 MINS IN C 12-16 MINS IN C LOT ACTOR'S MBER ACTOR'S MBER DRILLERS FEM DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE DATA SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SOURCE SO	$\frac{1}{10} \frac{1}{0} \frac{1}{10} $	MATERIAL AND TYPE LEAD P COMENT GAC DF WELL ES OF WELL FROM ROAD A IS IS IS IS IS IS IS IS IS IS	AND AND AND AND AND AND AND AND AND AND

Ministry o Environm and Ener	nent				Ontario Wate WATER W		
Print only in spa Mark correct bo	aces provided. x with a checkmark, where applica	able. [11]	15297	797	Municipality 15005	Con. C.O.N.	2 23 24
County or District	t	Township/Borough/City	/Town/Village		Con block tract	survey, etc. Lot	25 27
		West Carle	eton - Huntle	<u> </u>	3 Date		6 48-53
		R.R. #3, 1-24	17 Westbrook	Rd. Carp	Ontario		
21	r I I I I I I I I I I I I I I I I I I I	KOA 1L) Northing		evation RC	Basin Code		iv
		2 17 18 DF OVERBURDEN AND BEL	DROCK MATERIALS	s (see instruct	tions)	Denti	
General colour	Most common material	Other materials		Genera	I description	From	h – feet To
Brown	Sandy Soból	Stones		Dry		0	4
Brown	Sandy Clay			Wet		. 4	9
Gray	Sand & Gravel			Wet		9	12
Gray	Limestone	ł		Medi	1000	12	75
31							
32				54	opening ³¹⁻³³ Di	65 ameter 34-38 Length	75
41 WA Water found at - feet	Kind of water diam	Wall Material thickness	Depth – feet From To	(Slot No	.)	inches	fee
10-13 1	□ Fresh 3 □ Sulphur ¹⁴ □ Salby 4 □ Minerals 6 1 ¹⁹		0 22.		and type	Depth at top of	f screen 41-44
	Gas	3 Concrete					feet
6 2 ²	□ Fresh 4 □ Minerals □ Salty 6 □ Gas □ Fresh 24 17-1		20-23	61	PLUGGING & S Annular space	EALING RECORD	
	□ Fresh 4 □ Minerals □ Salty 6 □ Gas 6	2 Galvanized 3 Concrete 4 🙀 Open hole	22.5 75	Depth set at From	To Material and	type (Cement grout, ber	ntonite, etc
	Fresh 3 Sulphur 29 Solby 4 Minerals	A Copen hole 5 Plastic 25 1 Steel 26	27.30	- - - - - - - - - - - - - - - - - - -	5 Groutin	g - Cement	(3)
	□ Salty 6 Gas 24.3 □ Fresh 3 □ Sulphur 34 60 1 □ Salty 6 □ Minerals	2 Galvanized 3 Concrete 4 Open hole		5 26-29	-OROCK CU	ittings	
2		5 🗌 Plastic					
Pumping test	method 10 Pumping rate 1 2 Bailer 25 G	Duration of pumping			CATION OF WELI		
Static level	Water level 25 end of pumping Water levels during	Pumping 2 Recovery	In diagra	north by arrov	v distances of well fi v.	rom road and iol iir	1
	22-24 15 minutes 30 minute 28-28	29-31 45 minutes 60 minutes 32-34 35-3	37		$\langle \rangle$		
U <u>4100</u> Z If flowing give	30 feet 514Ret 4111 e rate 38-41 Pump intake set at	Water at end of test 42					
M M	GPM	feet Clear Cloudy					
C. □ Shallow	pump setting	pump rate feet 5 GPM		\sim Ca	rdeuco		4
50-53				1		ł	
1 🙀 Water s	supply 5 Abandoned, insuffici ration well 6 Abandoned, poor qu	ent supply 🤋 🔲 Unfinished ality 💦 📋 Replacement well		1	84	ب م	đ –
₃ □ Test hol ₄ □ Recharg			-	1	ha l	X	8
WATER USE		9 🗌 Not used	-1	1	33'	1 1	9
1 Domes 2 D Stock 3 D Irrigatio	6 D Municipal on 7 D Public supply	16 🗌 Other		1	i	1 - 1	
₄ 🗌 Industr				1			407
, 🗌 Cable 1	CONSTRUCTION 57 tool 5 G Air percussion r (conventional) 6 Boring	9 🗇 Driving			of 159	. ()	-
2 ☐ Rotary 3 ☐ Rotary 4 ☐ Rotary	r (reverse) 7 🗌 Diamond	10 Digging 11 Dother		1 *		18278	ל
Name of Well Co	ontractor	Well Contractor's Licence N	lo. Data	58 Contracct	59-62 59-62	Date received	63-68
	Water Supply Ltd.	1558	Ource		558	JAN 0 8 1	998
	x 490 Stittsville,O	ntario K2S 1A6	Date of inspect	uon	Inspector		
Name of Well Te	chnician	Well Technician's Licence h	lo. 🔁 Remarks				\sim
S. Mille	er hnician/Contractor	TOO97 Submission date					
	man	d_{av} 16 12_{yr} 9	71121				

1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -

Ministry of Environme and Energy	nt					The	e Onta WA	rio Wa ER W	<i>ter Reso</i> /ELL R	urces Ad ECOR
int only in space ark correct box v	es provided. with a checkmark, where	e applicable.	11	1 5	53034	0		icipality 5095		22 23
ounty or District			Township/Boroug	n/City/Town/Villag	e		Con	block tract	survey, etc.	Lot 2
	3		Address	: Carleton	n - Huntl	ey		3 Date		6
			154 Colon	ade Road	RC Elevatio	Ontar:		2 7 3 5 ode	ileted 21 iay	
12	т м 10	12	17 18	24	25 26		31			
T			ERBURDEN AND		ATERIALS (S		al descrip	tion		Depth – fee
General colour	Most common materi								Frc	
Brown	Sand		Boulders	& Gravel						0 11'
	.	<u> </u>								
32									65	
	ER RECORD	51	CASING & OPEN		RD h - feet		of opening o.)	31-33 [Diameter 34-38	Length
Vater found t - feet	Kind of water	Inside diam inches	Material thick inch	(ness	То		al and type		2 inches Depth	6*6* at top of screer
10–13 1 [] 2 []	Fresh ³ Sulphur ¹⁴ ⁴ Minerals Salty ₆ Gas	2	Steel ¹² Galvanized Concrete		13-16	S	vel L	arad		5 feet
	Fresh ³ Sulphur ¹⁹ ⁴ Minerals Salty ⁶ Gas	4	Open hole Plastic	0	11'6"	61		GGING &	SEALING RE	CORD
20-23 1	Fresh ³ 🗋 Sulphur ²⁴	2	Steel ¹⁹ Galvanized Concrete		20-23	Depth set a	Annular at – feet		☐ Aba	
	Salty 6 Gas	4	Open hole Plastic			From 10-13	To 14-17			
	Salty 6 Gas	2	Steel ²⁶ Galvanized Concrete		27-30	11,8-29 3 28-29	• Q-25 		l Packe	9
ם ין	Fresh ³ C Sulphur ³⁴ ⁶⁰ 4 C Minerals 5 Salty ₆ C Gas	4 0] Open hole] Plastic			26-29	30-33	80		
Pumping test m	ethod ¹⁰ Pumping rate		uration of pumping	17-18		L	OCATIO	N OF WEI		
	Vater level	GPM GPM	umping 2 Rec		In diagram Indicate no	below sho rth by arro	w distan	ces of well	from road ar	nd lot line.
	22-24 15 minutes 26-28		5 minutes 60 min		malcale no	in by are				
If flowing give ra	feet teet	feet	feet	feet						
If flowing give ra	ate ^{38–41} Pump intake se GPM	etat V feet	√ater at end of test □ Clear _ □ Cl	oudy						
	pump setting		ecommended ump rate	46-49						
□ Shallow 50-53		feet		GPM						
FINAL STATU	poly 5 🗌 Abandone		oly ⁹ Unfinished							
2 🗌 Observati 3 🗋 Test hole 4 📕 Recharge	ion well 6 Abandone 7 Abandone	d (Other)	Replacement	weil						
	55-56									
VATER USE 1 Domestic 2 Stock			9 ☐ Not used 10 ☐ Other							
3 Irrigation 4 Industria	7 🔲 Public sur	oply								
METHOD OF C	CONSTRUCTION 57									
1 🗌 Cable to 2 🗌 Rotary (d	ol 5 🔲 Air percus conventional) 6 📥 Boring	ssion	9 Driving 10 Digging						10	9476
3 ☐ Rotary (r 4 ∏ Rotary (a X	reverse) 7 Diamond air) 8 Jetting		11 🗌 Other						· ــــــــــــــــــــــــــــــــــــ	
Name of Well Cont	ractor		Well Contractor's Lic	ence No.	ata s	58 Contract	tor	0 59-62	Date received	C 1008
Capital	Water Supply L	tđ.	1558		ate of inspection		inspect	ð	DEC 0	8 19 98
			tio K2S 1AC	N	lemarks					
Name of Woll 1905	190 Stittsvi		Well Technician's Li	ence No.	CHIGINS					
S. MT11e			T0097						000	ES9

2 - MINISTER OF ENVIRONMENT & ENERGY COPY

Ario and Energy		1		ter Resources Ad /ELL RECOR
nt only in spaces provided. rk correct box with a checkmark, where applicable.	<u>[11]</u> 1 - 2	1530341	Municipality 15005	Con.
punty or District	Township/Borough/City/T	own/Village	Con block tract	survey, etc. Lot 25
Obtain Carloton	Address	con - Huntley	3_	
	54 Colonnade	Rd Nepean Ontari	O K2B 7J5 com	ii iii iii iv
		24 25 26	30 31	
LOG OF OV	Other materials	ROCK MATERIALS (see ins	eneral description	Depth – fee From To
	Boulders &	Gravel		0 11
Brown Sand	BOUTGELS C			
2 1 14 15 21 51 51				65 75 Diameter ^{34–38} Length
/ater found - feet Kind of water linkies	Material Wall thickness inches	Depth - feet	lot No.)	2 inches 6 6 6
10-13 1 □ Fresh 3 □ Sulphur 14 10-11 1 □ 2 □ Salty € □ Cart] Steel ¹²] Galvanized	13-16	aterial and type	Depth at top of screer
15-18 1 🛛 Fresh 3 🗋 Sulphur 19 4	Concrete Open hole Plastic	0 11'6"	PLUGGING &	SEALING RECORD
	Steel ¹⁹ Galvanized Concrete	20-23	Annular space	Abandonment
2 Salty 6 Gas 25-23 1 Fresh 3 Sulphur 29] Open hole] Plastic		n To -13 14-17	d type (Cement grout, bentonite,
6 Gas 2] Steel ²⁶] Galvanized] Concrete	27-30 27-30 3 26	-21 - 22-23	Packed
] Open hole] Plastic		-29 30=33 80	
Pumping test method ¹⁰ Pumping rate ¹¹⁻¹⁴ D	Duration of pumping 17-18 Hours Mins		LOCATION OF WEI	
Static level Water level end of pumping Water levels during 1 P		In diagram below Indicate north by a	show distances of well arrow.	from road and lot line.
19-21 22-24 15 minutes 30 minutes 28-28 30 minutes 29-31	45 minutes 60 minutes 32-34 35-37			
In norming give rate	feet feet Vater at end of test 42			
GPM feet Recommended pump type Recommended 43-45 F pump setting F	Clear Cloudy Recommended 48-49 pump rate			
Shallow Deep feet feet	GPM			
FINAL STATUS OF WELL 54 1 Water supply 5 Abandoned, insufficient sup	ply 9 🛛 Unfinished			
Observation well Observation well Observation well Abandoned, poor quality Abandoned (Other) Becharge well Dewatering	10 🗋 Replacement well			
NATER USE 55-56				
1 Domestic 5 Commercial 2 Stock 6 Municipal	9 🗌 Not used 10 🔲 Other			
Irrigation / □ Public supply /□ Industrial / □ Public supply /□ Industrial / □ Cooling & air conditioning				
METHOD OF CONSTRUCTION 57	9 Driving			
2 Rotary (conventional) 6 Boring 3 Rotary (reverse) 7 Diamond 4 Rotary (air) 8 Jetting	10 Digging 11 D Other			194770
	Well Contractor's Licence No	Data 58 Cont	raccior 59-62	Date received 63-
Name of Well Contractor	1558	Source	558	DEC 0 8 1998
		U Date of inspection	Inspector	
P.O. Box 490 Stittsville, Onta	Well Technician's Licence No TOO97 Submission date	Remarks		CSS. ES
Signature of Technician/Contractor,)	13.8.04			فالباسل والبالية المحاصي

Ontario Ministry o Environmand Energy	ent			Ontario Water Resources Act WATER WELL RECORD
Print only in space Mark correct box	ces provided. < with a checkmark, where applicabl	e. [1]	1530342	$\begin{array}{c} \text{Municipality} \\ \overbrace{10}^{1} 5 \circ 0 5 \\ 10 \end{array} \begin{array}{c} \text{Con.} \\ \overbrace{12}^{1} \circ 0 5 \\ 15 \end{array} \begin{array}{c} \overbrace{13}^{1} \circ 0 \\ 15 \end{array} \begin{array}{c} \overbrace{22}^{1} 23 \\ 22 \\ 23 \\ 24 \end{array} \begin{array}{c} 23 \\ 24 \\ 24 \end{array}$
County or District		Township/Borough/City/To		Con block tract survey, etc. Lot 25-27
	9 b c c c	Address		Date 48-53
01		54 Colonnade F	RC Elevation RC	C2E 7J5 completed 21 day 10 month 98 ear Basin Code ii iii iv
21 12			OCK MATERIALS (see instruction	21 47 DNS)
General colour	Most common material	Other materials		description Depth - feet From To
Brown	Sand	Boulders & G	cavel	0 11'6'
31				
	4 15 21 TER RECORD 51	CASING & OPEN HOLE	43 RECORD Sizes of or Sizes of or	bening 31-33 Diameter 34-38 Length 39-40
Water found at - feet	Kind of water diam	Material Wall thickness inches	Depth - feet Z (Slot No.) From To U	2 inches 616# feet
10-13 1	Fresh ³ Sulphur ¹⁴ inches Fresh ⁴ Minerals 10-11 Salty 6 Gas 10-11	1 🗌 Steel 12 2 🗌 Galvanized	13-16	a type Deput at top of screen
15-18 1	Fresh ³ Sulphur ¹⁹	3 □ Concrete 4 □ Open hole 5 👽 Plastic	0 11'6" Grave	PLUGGING & SEALING RECORD
20-23 1	Salty ← □ Minerals ← □ Gas ← □ Gas ← □ Sulphur ²⁴ ← □ Minerals ← □ Minerals	Steel 19 Galvanized Gorcrete	20-23	Annular space Abandonment
	☐ Salty 6 ☐ Gas ☐ Fresh 3 ☐ Sulphur ²⁹	Open hole Plastic	From 10-13	To Material and type (Cement grout, bentonite, etc.)
2 [□ Salty ⁴ □ Minerals 24-25 6 □ Gas 24-25	1 Steel 26 2 Galvanized 3 Concrete	27-30 1186 M	Gravel Packed
1 [□ Fresh ³ □ Sulphur ³⁴ ⁶⁰ ▲ □ Minerals □ Salty ₆ □ Gas	4 Open hole 5 Plastic	8	3053 80
71 Pumping test n		15-16 17-18	LOC	CATION OF WELL
	All-tax lawal 25	Pumping 2 Recovery	In diagram below show Indicate north by arrow.	distances of well from road and lot line.
	22-24 15 minutes 28-28 30 minutes 29-3	45 minutes 1 32-34 60 minutes 35-37		
If flowing give AW Recommended	feet feet feet rate 38-41 Pump intake set at	t feet feet feet 42		
Recommended	GPM fee			
	pump setting	pump rate		
FINAL STATU	JS OF WELL 54			
1 🗌 Water su 2 🗌 Observa 3 🗍 Test hole 4 🛎 Recharg	upply 5 Abandoned, insufficient ition well 6 Abandoned, poor qualit e 7 Abandoned (Other)			
WATER USE	55-56			
1 🗌 Domesti 2 🛄 Stock 3 🗍 Irrigation 4 🗍 Industria	⁶ □ Municipal n ⁷ □ Public supply	9 🗌 Not used 10 🗍 Other		
i 🗌 Cable to		9 🗋 Driving		
	(conventional) € □ Boring (reverse) 7 □ Diamond	¹⁰ Digging 11 D Other		194768
Name of Well Con	ntractor	Well Contractor's Licence No.	Data 54 Contractor Source	58 ⁵⁹⁻⁶² Date received ⁶³⁻⁶⁶ 00 DEC 0 3 1998
Address	Water Supply Ltd.	1558	Date of inspection	Inspector
	o<u>x 490</u> Stittsville, (MnRCian	Ontario K2S 1A6 Well lechnician's Licence No. T0097	Remarks	000 705
S. Mill Signature of Techn	ler nician/Contractor	Submission date day23 mo 10 yr 98	MINISTR	CSS. ES9

2 - MINISTER OF ENVIRONMENT & ENERGY COPY

Ministry of Environmen and Energy	t						Th				<i>esource</i> L REC	
Print only in spaces flark correct box w	s provided. /ith a checkmark, where ap	plicable.	. 1	11 2	15	3034	43		nicipality 5005 14	Con.	N:	2 2 23 24
County or District			Township/E	lorough/City/T				Con	block trac	ct survey	/, etc. Lot	25-27 C
Otherse Con			Address		arleto				Dat			48-53
1	T +		<u>54 Co</u>]	Northing	<u>Rđ Ne</u>	C Elevati	ion R	C Basin	Code	· <u> </u>	lday 10 mc	iv
2	т м 10 L(DG OF OV	IT /ERBURDEN		24 29 ROCK MAT	ERIALS (see instru	31 Ictions)				47
General colour	Most common material		Oth	er materials			Gene	ral descrip	tion		From	th – feet To
Brown	Sand		Boul	ders &	Gravel		<u> </u>				0	11•
											-	
										,		
												<u> </u>
] [,		
		51		OPEN HOL				of opening	31-33	65 Diameter	34-38 Leng	th 39
Vater found t – feet	Kind of water	nside liam nches	Material	Wall thickness inches	Depth – From	То		ial and type		2	Depth at top	6 te
10-13 1 🗌 F 2 🗌 S	Fresh ³ Sulphur ¹⁴ 4 Minerals Salty ₆ Gas	2	Steel ¹² Galvanized Concrete			13-16	SC	vel P	acked		5	feet
15-18 1 🗌 1 2 🗌 3	Fresh ³ Sulphur ¹⁹ 4 Minerals Salty 6 Gas	4 [Open hole Plastic		0	<u>_11,'6</u> "		PLU	GGING &	SEALI		
20-23 1	Fresh ³ Gulphur ²⁴ 4 Minerals Salty 6 Gas	17-18 1 [2 [3 [4 [Galvanized				Depth set From	Annula t at - feet To		nd type (C	Abandonm	
	Fresh ³ Sulphur ²⁹ Salty ⁴ Minerals] Plastic			2730	10-13 11+6 18-21	14-17	Grave	el Pac	ked	
30-33	Fresh ³ Sulphur ³⁴ ⁶⁰	2 [3 [4 [Concrete				3-29		"Hole	Plug		
Pumping test met			Plastic	ng 17-18					N OF WE			
1 Pump 2	anping toto	GPM	Hours			In diagram Indicate no	below sh	ow distar			bad and lot	line.
10.01	d of pumping			60 minutes 35-37		Indicate no	or in by an	ow.				
g feet	feet feet e ^{38–41} Pump intake set at	feet	feet Nater at end of te	feet								
5 feet 5 feet 1 flowing give rate 4 Recommended p	GPM	feet	Clear Recommended	Cloudy 46-49								
🗋 Shallow	Deep		oump rate	GPM								
FINAL STATUS		10 - i h	-lu 9 🖂 Linfinio	hod								
1 🔲 Water supp 2 🔲 Observation 3 🛄 Test hole	n well 6 C Abandoned, p 7 C Abandoned (C	oor quality	¹⁰ C Replac	ement well								
Recharge v	well ⁸ Dewatering											
VATER USE 1 Domestic 2 Stock	5 Commercial 6 O Municipal		9 ☐ Notus 10 ☐ Other	ed								
3 🗌 Irrigation 4 🗋 Industrial	 Public supply Cooling & air of 	conditioning										
METHOD OF CO			9 🗋 Driving]								
	onventional) 6 🗌 Boring verse) 7 🗍 Diamond		10 🛛 Diggin 11 🗌 Other	g							194	769
X			Well Contract	or's Licence Na	Data	······	58 Contrac	ctor	5 9-6	2 Date re	ceived	63-68
Name of Well Contra	actor Water Supply Ltd	•	155]	55 Inspect	8	DE	<u>C 0 8 1</u>	998
						arks						
Name of Weil lechni					NINININI					C	SS. I	ES9
Signature of Technic	lian/Contractor	0	TOO97 Submission c day 23 mg		NIW							

ñ

2 - MINISTER OF ENVIRONMENT & ENERGY COPY

14

· ...

int only in space	AFIO Ministry of the Environme ces provided. with a checkmark, when		ie. [11	1 [5311	т	Municipality	ELL RE	
County or District			Township	/Borough/City/	Town/Village	•	52	Con block tract surv		_
)wner's surname	c Construction	rst Name	Address	Carleto			ntario ation RC	Basin Code	5 day 6m	6 onth ()(1)
	M to	LOG OF				25 28 FERIALS (s	see instruc	tions)		
eneral colour	Most common mate	rial	Oth	er materials		T	Gener	al description	Depth	- feet To
Drove	Cand- e (******				1	Loos	20	0	
Brown	Sandy & C	raver						-	3	יו
Brown	Clay						Pacl			
Gray	Sandy_Cla	-	St	ones			Loos		15	2'
Gray	Limestone	<u> </u>		.,				ium Hard	27	3
Gray	Limeston	<u>></u>					Bad	ley Broken	33	4(
Gray	Limestone	a				-	Medi	ium Hard	40	7
ter found feet	15 21 RECORD 21 Kind of water Fresh 3 Sulphur 14 Minerals Satty 6 Gas	51 Inside diam inches 6 '1'/4	CASING & O Material	PEN HOLE Wati thickness inches •188	RECORD Depth From	- feet To 31 ¹⁶	N (Slot N	of opening 3*-33 Diamete	r ³⁴ ³⁸ Lengt inches	fe f screen 41-44
15-18 1 N	Fresh PESTISUphur		 Concrete Open hole Plastic 							feet
20.23	Salty 6 🗍 Gas	17-18	1 19 19 19 2 Galvanized			26-23	61	PLUGGING & SEALIN	Abandonme	ant
2	∃ Flesh ₄ ☐ Minerals ∃ Salty [⊕] ☐ Gas	6	 ³ Concrete ⁴ Gropen hole 		31	75	Depth se From	To Material and type (Cement grout, ber	ntonite, et
2 [30-33 1 [Fresh 3 Sulphur 29 Satty 6 Gas Fresh 3 Sulphur 34 Fresh 4 Minerals Satty 6 Gas Satty 6 Gas	24-25	5 I Plastic 1 Steel 26 2 Galvanized 3 Concrete 4 Open hole 5 Plastic			27-30	10-13 30 18-21 26-29	14-17 O 22-25 Grouted -	Cement	(5)
Pumping test m	nethod ¹⁰ Pumping rate Bailer 3	0 GPM	15-16	ng 17-18 Mins				OCATION OF WELL ow distances of well from	road and lot	line
	Vater level Water levels and of pumping 22.24 15 minutes	s during 1 30 minutes	Pumping ² 45 minutes	60 minutes		Indicate r	orth by arr	ow.		Ŗ
	20-20	29.31								¥
15 • AO * If flowing give ra	ate 38-41 Pump intake se		Water at end of te		11					
Recommended p		43-45	Recommended	Cloudy 46-49		. 0	~~~~	(
	Deep pump setting	30 ^{fee}	pump rate	5 GPM	l c	, or 20	X	E		
 50-53 NAL STATUS 1 Water sup 2 Observatio 3 Test hole 4 Recharge 	on well 5 🖸 Abandoned 6 🖸 Abandoned 7 🛄 Abandoned	d, insufficient s d, poor quality d (Other)	supply ⁹ 🗌 Unfinis			4 Ros	20-1 3× 0-1	escar L		P.+1e
	55-56		9 🗍 Not us	e				én e	NO Build	1.00

WATER USE 1 Domestic 2 Stock	55-56 5	9 ⊡ Not use	6 Building
 ³ Irrigation ⁴ Industrial 	 Public supply Cooling & air conditioning 		C Lot 18
METHOD OF CONSTRU			2 Cavanmore Rd
 Cable tool Rotary (conventional) Rotary (reverse) Rotary (air) 	 Air percussion Boring Diamond Jetting 	 Driving Digging Other 	<u>3</u> 208554
Name of Well Contractor	supply Ltd.	Well Contractor's Licence No. 1558	Data 58 Contractor 59-62 Date received 63-68 80 JUN 2 0 2000
Address	** *		Date of inspection
Name of Well Technician	Ktittsville,Ont	Well Technician's Licence No.	
S. Miller		т0097	CSS.ESO
Signature of Technician/Contrac	tor	Submission date	CSS.ES0
Allakut	math	day 6 mo 4 yr 90	
2 - MINISTR	Y OF THE ENVIRON	IMENT COPY	0506 (11/98) Front Form :



Ministry of the

Environment

11

Print only in spaces provided. Mark correct box with a checkmark, where applicable. 1532398 **M**

WATER WELL RECORD

The Ontario Water Resources Act

County or District	Carleton	Township/Borough/City/I West Carleto		lev	Con block	tract survey	, etc.	Lot 25-27
Occawa (Address				Date completed	1 10	48-53
		357 William Me	RC RC	Elevation RC	Basin Code		day 	month year iv
								47
General colour	LOG OF Most common material	OVERBURDEN AND BEDR			description			pth - feet
Brown	sand				decomption	nger - s	From O	то 8
Brown	sandy clay	stones					8	16
Grey	limestone						16	125
					*** ***			-
								-
	Note: Casing	was left 12" abo	ce ground	level at t	ime of (drilling	•	
					pening 31-			75 80 nath 39-40
Water found at - feet	SR RECORD 51 Kind of water Inside diam	CASING & OPEN HOLE R Wall Material thickness	Depth - feet	Sizes of c (Slot No.)			³⁴⁻³⁸ Le	ngth ³⁹⁻⁴⁰
69 ¹⁰⁻¹³ 1	Fresh ³ Sulphur ¹⁴ Inches	1 🕱 Steel 12 - 188	From To	Image: Solution of the second seco	ind type			p of screen 30
	Salty 6 Gas	2 Galvanized 3 Concrete 4 Open hole						feet
2	3 Gas 17-18	5 Plastic 1 Steel 19	2		PLUGGING &		RECOF	
1 1'-	Salty 6 Gas 6		21'6" 12	5 Depth set at From	To Materi	al and type (Cen	nent grout,	bentonite, etc.)
	Fresh 3 Sulphur 29 4 Minerals 24-25 Salty 6 Gas	5 □ Plastic 1 □ Steel 26	2			uted-cer	nent	(3)
	Fresh ³ Sulphur ³⁴ 60 Salar 4 Minerais	2 Galvanized 3 Concrete 4 Open hole		18-21 26-29	22-25 30-33 80			
	Salty 6 Gas	5 🗌 Plastic						
71 Pumping test m 1 [XPump 2 [Bailer 5 GPM	Duration of pumping 15-16 17-18 Hours Mins			ATION OF W			
	na or pumping	Pumping 2 🗆 Recovery		igram below show ate north by arrow	distances of .		ad and	ot line.
	60 115 90	45 minutes 32-34 60 minutes 35-37 60	ď			·V		
28 [†] 4 [#] feet		Water at end of test 42	2					
Recommended p		Recommended 46-49	j á C	Villiam V	Mooner	+ Rd		
Shallow	X Deep pump setting 100 feet			l				
FINAL STATU			8	1	1 7 5	1		
 Water sup Observation Test hole 	pty ⁵ □ Abandoned, insufficient su on well ⁶ □ Abandoned, poor quality ⁷ □ Abandoned (Other)	upply ⁹ Unfinished ¹⁰ Replacement well	E		10/ · \2	8''' 		
4 🗌 Recharge	well ⁸ Dewatering		1 A	i r				
WATER USE 1 IX Domestic 2 □ Stock	55-56 5 Commercial	9 □ Not use 10 □ Other	2			i		
3 🗌 Irrigation 4 🗋 Industrial	6 Municipal 7 Public supply 8 Cooling & air conditioning		(+	1	357	1		
METHOD OF C	CONSTRUCTION 57					1		
 Cable tool Rotary (co 	 ⁵ Air percussion ⁶ Boring 	 ⁹ Driving ¹⁰ Digging 						
³ □ Rotary (rev ⁴ □ Rotary (air	verse) 7 Diamond	11 🗋 Other					230)271
Name of Well Contra	actor	Well Contractor's Licence No.		58 Contractor	51	9-62 Date receiv		63-68 80
Capital W	ater Supply Ltd.	1558	Source	15		NOV		2001
Address Box 490,	Stittsville, ON/ K2S	1A6	Date of inspec		nspector			
Name of Well Techn S., Mille	ician	Well Technician's Licence No. TOO97	Remarks	I			000	ES1
Signature of Technic	cian/Contractor	Submission_date	AT SININ				1. 18 may 1 may	ة الاستينان و
Bran	nelle	day 05 mo 10 yr 01	2					

2 - MINISTRY OF THE ENVIRONMENT COPY

مربحه مراجع

Ministry of the

Environment

.

,

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

100.000

The Ontario Water Resources Act WATER WELL RECORD

32 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Mark correct box	with a checkmark, where a	pplicable.		11 1 2	1	532	402			21 N 1 1 1	22 23 24
Owner Hammer Marine Address 21 Image: Stand & Grave Component of the service	County or District			Township	/Borough/Cit	y/Town/Villa	ige	- ii	Con block	tract survey	, etc. Lo	25-27
Concertion Concertion </td <td></td> <td></td> <td></td> <td></td> <td>est Car</td> <td>leton</td> <td>- Hint</td> <td>:ley</td> <td>3</td> <td>•</td> <td></td> <td></td>					est Car	leton	- Hint	:ley	3	•		
21 Line G OF OVERBUTCH AND ECONCX MUTERULS (see instruction) Corrent color Madi common making Corrent color Madi s Cravel BCOM SAnd s Cravel Corrent color Or over making Corrent color Sand s Cravel Corrent color Or over making Corrent color Or over maki		First r	lame		Manion	Road	Carp	Ontario I	KOA ILO	Date completed	3dav10 m	
General docr Moti common matrix Other matrix Deveral docription Deveral docription Brown SAnd & Gravel 0 6 Grave Linestone 6 75 Grave Linestone 6 75 Grave Linestone 0 6 Grave Linestone 0 6 Grave Linestone 0 6 Grave Linestone 0 0 Grave Linestone 0 0 0 Grave Linestone 0 0 0 0 Grave Linestone 0 0 0 0 0 Grave Control Control 0 0 0 0 0 Grave Control 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	·	Zone			Northing							
Control Image: Stock Calend decreption Image: Stock Bitsoch Gade Gade Gade Gade Carey Linestone Gade Gade Gade Gade Stock Gade Gade <thgad< th=""> Gade Gade</thgad<>			OG OF OVEF			ROCK M	TERIAL	S (see instruct	tions)		Denth	- feet
Gray Linestone 6 75 Gray Linestone 1 1 1 Gray Linestone 1 1 1 1 Gray Linestone 1 1 1 1 1 Gray Linestone 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Géneral colour	Most common material		Othe	er materials			Genera	al description		· · · · ·	
31	Brown	SAnd & Grave	1								0	6
32	Gray	Limestone				- · · · · ·					6	75
32							1					
32												
32												
32												
32												
32							_					
32												
32								·				
32							+		<u> </u>			
Image: Control of the RECORD Image: Control of the RECORD Image: Control of the RECORD Image: Control of the RECORD Image: Control of the RECORD Image: Control of the RECORD Image: Control of the RECORD Image: Control of the RECORD Image: Control of the RECORD Image: Control of the RECORD Image: Control of the RECORD Image: Control of the RECORD Image: Control of the RECORD Image: Control of the RECORD Image: Control of the RECORD Image: Control of the RECORD Image: Control of the RECORD Image: Control of the RECORD Image: Control of the RECORD Image: Control of the RECORD Image: Control of the RECORD Image: Control of the RECORD Image: Control of the RECORD Image: Control of the RECORD Image: Control of the RECORD Image: Control of the RECORD Image: Control of the RECORD Image: Control of the RECORD Image: Control of the RECORD Image: Control of the RECORD Image: Control of the RECORD Image: Control of the RECORD Image: Control of the RECORD Image: Control of the RECORD Image: Control of the RECORD Image: Control of the RECORD Image: Control of the RECORD Image: Control of the RECORD Image: Control of the RECORD Image: Control of the RECORD Image: C	31		<u>_</u>		1.1.1		<u></u>	 ,				
41 WATER RECORD Marifuld Marifuld Water Marifuld Size of genetic marifuld Size of genetic marifuld </td <td>32</td> <td></td> <td></td> <td></td> <td>╶┹╍┹╍┹╶┹╶┸╴</td> <td>┶┚┶┷┷ ╷╎╎╷╷</td> <td>╷╽╎╷╽</td> <td>╘┈┻╼┵┚╘┈┵╹</td> <td>· </td> <td></td> <td>· ! . </td> <td></td>	32				╶┹╍┹╍┹╶┹╶┸╴	┶┚┶┷┷ ╷╎╎╷╷	╷╽╎╷╽	╘┈┻╼┵┚╘┈┵╹	·		· ! .	
it Term Kind of water Indexe From Top To	41 WATEF		CAS	32 SING & OP	PEN HOLE	RECORD				33 Diameter	34-38 Lengt	
Image: Section of the sectin of the section of the	Water found at - feet	Kind of water	diam M	laterial	thickness	A	T).)	ir	iches	feet
19 10 Supple to a state of the stat	[' L]	Fresh ³ Sulphur ¹⁴	10/4 X St				1	Materia	l and type		Depth at top o	
2 3 380 * 6 380 * 10 2007 1 memory 3 380 * 10 2007 1 memory 1 memory 1 memory 2007 1 memory 1 memory 1 memory 1 memory 2007 1 memory 1 memory 1 memory 1 memory 1 memory 2007 1 memory 1 memory 1 memory 1 memory 1 memory 2007 1 memory 1	15-18 1	Fresh 3 Sulphur 19	3 □ Co 4 □ O	oncrete pen hole								feet
2 Saity Baity Bai	20-22	Saity 6 Gas	17-18 1 🗆 St	teel ¹⁹			20-2		PLUGGING 8			nt
1 Freds 1 Sold Sold 1 Sold	1 1	Salty 4 Minerals	3 🗆 Co	oncrete		22.5	95	Depth set	at - feet Materia			
2031		Fresh ³ Sulphur ²⁹ Solty ⁴ Minerals	5 🗋 Pl	astic				10-13	14-17	ted - C	ement (3)
Prime test Image: set method Prime test Image: set method Imade: set method <thimage: method<="" set="" td=""><td>30.33</td><td>Fresh ³ Sulphur ³⁴ ⁶⁰</td><td>2 🗆 Ga 3 🗆 Co</td><td>alvanized oncrete</td><td></td><td></td><td></td><td></td><td>22-25</td><td></td><td></td><td></td></thimage:>	30.33	Fresh ³ Sulphur ³⁴ ⁶⁰	2 🗆 Ga 3 🗆 Co	alvanized oncrete					22-25			
1 1 20 0 minutes 1 600 minutes 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 <td>2</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>26-29</td> <td>30-33 80</td> <td></td> <td></td> <td></td>	2							26-29	30-33 80			
Imp Under Searce	711			tion of pumpin	1 g _17-18] [LO		/EL:L	<u></u>]
Image: state of pumping 15 minutes 30 minutes 31 2 8 minutes 30 minutes	Statia lawal Wat	iter level 25 Water levels during				++	In dag	ram below sho	w distances of		ad and lot	ine.
Image: Static state Participant State Part State	19-21 end		•	•		10-	r Indicate	e north by arro	w.			
Image: Static state Participant State Part State	2 4'2"eet 2			.								
Image: Static state Participant State Part State	If flowing give rate	e 38-41 Pump intake set at		rat end of test	42	,	Card	Jevco			_	
ENAL Sector	Hecommended pur	np type Recommended	* 43-45 Reco	ommended			1			1	\searrow	
Device supply 5 Abandoned, isourdiality 9 Unfinished 1 Device value 6 Abandoned, poor quality 9 Beplacement well 2 Obmestic 5 6 Municipal 9 Not use 2 Stock 6 Municipal 9 Not use 9 Other 2 Stock 6 Municipal 9 Not use 9 Other 3 Ingaton 7 Public supply 9 Other 7 7 4 Industrial 9 Other 9 Other 7 7 4 Industrial 9 Other 9 Other 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 <td>_</td> <td></td> <td></td> <td></td> <td>5 GPM</td> <td></td> <td>Ì</td> <td># 142</td> <td></td> <td>1</td> <td></td> <td>\setminus</td>	_				5 GPM		Ì	# 142		1		\setminus
2 Observation vell 0 Abardoned (Other) 3 Test hole 7 Abardoned (Other) 4 Recharge well 8 Dewatering WATER USE 5:56 9 Not use 2 Stock 8 Otherical 9 Other 2 Stock 9 Other Other Triving 2 Stock 9 Other Triving Triving 2 Stock 9 Other Triving Triving 2 Rotary (conventional) 9 Other Triving Triving 2 Rotary (conventional) 9 Other Triving Triving 2 Rotary (conventional) 9 Detring Tole Sticence No. Triving 2 Rotary (conventional) 9 Jetting Source Source Source Value of Well Contractor Well Contractor's Licence No. Toops Source Source NOV 2.8 2001 Values Well Technician's Licence No. Source Inspector NoV 2.8 2001 NoV 2.8 2001 <td>FINAL STATUS</td> <td>OF WELL 54</td> <td></td> <td></td> <td></td> <td></td> <td>4</td> <td>r</td> <td></td> <td>•</td> <td></td> <td> </td>	FINAL STATUS	OF WELL 54					4	r		•		
1 Cable tool 5 Air percussion 9 Driving 2 Rotary (conventional) 6 Boring 10 Digging 3 Rotary (cevrese) 7 Diamond 11 Other 238005 Vame of Well Contractor Well Contractor's Licence No. Not 2 8 2001 63-68 80 Address 1558 1558 NOV 2 8 2001 63-68 80 P.O. Box 490 Stittsville, Ontario K2S 1A6 Well Technician's Licence No. Inspector Inspector S. Miller TOO97 Submission date May 24 mol0 yr 01 10 Yo 01	² Observation	well 6 🗌 Abandoned, poo	quality 10				I		29	ł		
1 Cable tool 5 Air percussion 9 Driving 2 Rotary (conventional) 6 Boring 10 Digging 3 Rotary (cevrese) 7 Diamond 11 Other 238005 Vame of Well Contractor Well Contractor's Licence No. Not 2 8 2001 63-68 80 Address 1558 1558 NOV 2 8 2001 63-68 80 P.O. Box 490 Stittsville, Ontario K2S 1A6 Well Technician's Licence No. Inspector Inspector S. Miller TOO97 Submission date May 24 mol0 yr 01 10 Yo 01			ər)				I		${} $	•	, C	\
1 Cable tool 5 Air percussion 9 Driving 2 Rotary (conventional) 6 Boring 10 Digging 3 Rotary (cevrese) 7 Diamond 11 Other 238005 Vame of Well Contractor Well Contractor's Licence No. Not 2 8 2001 63-68 80 Address 1558 1558 NOV 2 8 2001 63-68 80 P.O. Box 490 Stittsville, Ontario K2S 1A6 Well Technician's Licence No. Inspector Inspector S. Miller TOO97 Submission date May 24 mol0 yr 01 10 Yo 01							1		6	1 0.2	der	
1 Cable tool 5 Air percussion 9 Driving 2 Rotary (conventional) 6 Boring 10 Digging 3 Rotary (cevrese) 7 Diamond 11 Other 238005 Vame of Well Contractor Well Contractor's Licence No. Not 2 8 2001 63-68 80 Address 1558 1558 NOV 2 8 2001 63-68 80 P.O. Box 490 Stittsville, Ontario K2S 1A6 Well Technician's Licence No. Inspector Inspector S. Miller TOO97 Submission date May 24 mol0 yr 01 10 Yo 01	2 🖸 Stock	6 🗋 Municipal					1	, ,		1 (0)	2	
1 Cable tool 5 Air percussion 9 Driving 2 Rotary (conventional) 6 Boring 10 Digging 3 Rotary (cevrese) 7 Diamond 11 Other 238005 Vame of Well Contractor Well Contractor's Licence No. Not 2 8 2001 63-68 80 Address 1558 1558 NOV 2 8 2001 63-68 80 P.O. Box 490 Stittsville, Ontario K2S 1A6 Well Technician's Licence No. Inspector Inspector S. Miller TOO97 Submission date May 24 mol0 yr 01 10 Yo 01	4 🗌 Industrial	8 🗌 Cooling & air cor	ditioning				I					
2 Rotary (conventional) 6 Boring 10 Digging 11 Other 238005 3 Rotary (reverse) 7 Diamond 11 Other 238005 Vame of Well Contractor Well Contractor's Licence No. 1558 Surce 1558 Date received 6368 80 NoV 2 8 2001 NoV 2 8 2001 Date of inspection Inspector NoV 2 8 2001 80 Vadress P.O. Box 490 Stittsville, Ontario K2S 1A6 Inspector Inspector NoV 2 8 2001 NoV 2 8 2001 Name of Well Technician Well Technician's Licence No. NoV 2 8 2001 NoV 2 8 201 NoV 2 8 201 NoV 2 8 201											×-	
Image: Second state Weil Contractor's Licence No. Data Second state Second stat	² 🗌 Rotary (conv	ventional) 6 🗍 Boring	10	Digging								
Capital Water Supply Ltd. 1558 Address 1558 P.O. Box 490 Stittsville, Ontario K2S 1A6 Name of Well Technician Well Technician's Licence No. S. Miller TOO97 Signature of Jechnician/Contractor Submission date day 24 mol0 yr 01											2380	05
P.O. Box 490 Stittsville, Ontario K2S 1A6 Name of Well Technician S. Miller TOO97 Signature of Schnician/Contractor Submission date day 24 mol0 yr 01	Name of Well Contract	tor	We	ell Contractor	's Licence No.	► Data		58 Contractor		-62 Date receiv	ed	63-68 80
P.O. Box 490 Stittsville, Ontario K2S 1A6 Name of Well Technician S. Miller TOO97 Signature of Schnician/Contractor Submission date day 24 mol0 yr 01	Capital W	later Supply Ltd.		1558				15		NOV	2820	ă 🗌
			ontar	io K2S	146		o inspectio	וזע	mspector			
	Name of Well Technicia	ian	We	ell Technician		Ren	arks		1			
	S. MILLER Signature of Technician	n/Contractor			9	NISI					CMS 6	\$1
	Afran	ad	day	y 24 mol	0 _{yr} 01	Σ					0506 (07/00)	Empt Earrow

2 - MINISTRY OF THE ENVIRONMENT COPY

	ices provided. x with a checkmark, where applica	ble. 11	15	532757			
County or Distric		Township/Borough/C			Con block tract s	survey, etc. Lo	ot 6
Ottawa C Owner's surnam		West Carl Address			Date		0
Gracey C	Construction	asting Northing		RC Elevation	RC Basin Code	^{ete} 29 _{day} 4 n	nonth iv
21							
		F OVERBURDEN AND BE				Dept	h - feet
General colour	Most common material	Other materials	; 	Ge	eneral description	From	То
Brown &	red Sand					0	13
Gray	Sand & gravel					13	10
Gray	Limestone					16	60
·· ·· ·	Note	Casing was left	1 foot a	boye aroun	d level		
		at time of drill		Jacour			†
31	· └╷╏╷╻╎╹╹╹╎╹╹╹						
32							
	ER RECORD 51 Inside	CASING & OPEN HOL	E RECORD			neter ³⁴⁻³⁸ Leng	
at - feet	Kind of water diam inches	Material thickness inches	From		aterial and type	inches Depth at top	
11	□ Fresh 4 □ Minerals □ Salty 6 □ Gas 6 174	t 1x Steel 12 2 Galvanized 3 Concrete	0	22:5			41-4- feet
51 2	□ Fresh ³ □ Sulphur ¹⁹ 4 □ Minerals □ Salty 6-□-Gas	4 Open hole 5 Plastic		61	PLUGGING & SEAI	LING RECORD)
20-23	□ Salty □ Gas 17-18 □ Fresh 3 □ Sulphur 24 □ Salty c □ Gen	1 Steel 19 2 Galvanized 3 Concrete		20-23 Depti	Annular space	Abandonm	
26.29	Fresh 3 Sulphur 29	4 ★ Open hole 5 D Plastic	22.5	60 From 27-30 21.	1 10	ce (Cement grout, be	(4)
30.33	Salty 6 Gas	1		27-30		- Cement	(
	□ Fresh 4 □ Minerals □ Salty 6 □ Gas	4 □ Open hole 5 □ Plastic		26-	29 30-33 80		
71 Pumping test I							
	Water level 25 Water levels during	M 15-16 17-18 Hours Mins M 2 Recover	-11		show distances of well from	om road and lo	uine.
	22-24 15 minutes 30 minutes 29-28			Indicate north by a			
5 4'3%eet	25 feet 55 feet 40 fe	et 40 feet 25 fee	ət		Carp Rd		
SNIdWORD If flowing give	GPM fe	Water at end of test 42 et Clear Mail Cloudy			1,00		
■ Recommended □ Shallow	Pump setting	pump rate	11		Carp Rd Cardevico Indi Park		
50-53	40 fe	et 5 GPI	Ë		Post		1
FINAL STATU	pply ⁵ 🗆 Abandoned, insufficient						Rd
 ² Observat ³ Test hole ⁴ Recharge 	ion well 6 Abandoned, poor qualit 7 Abandoned (Other)				Cardenco		Ę
-			41				ğ
VATER USE 1	55-56 5	9 🗆 Not use					Richardson
3 🗌 Irrigation 4 🛄 Industrial	7 🖸 Public supply				ippities's 1		IS.
NETHOD OF	CONSTRUCTION 57	.,	-		No Building		F
METHOD OF	onventional) 6 🗂 Boring	⁹ Driving ¹⁰ Digging			1 well was 1		
1 🗌 Cable too 2 🔲 Rotary (c	everse) ⁷ Diamond	11 🗌 Other				238:	136
1 🗌 Cable too	ir) ⁸ 🗌 Jetting						
 Cable too Rotary (c Rotary (n 	ir) ⁸ 🗌 Jetting	Well Contractor's Licence N	Io.	58 Contra		e received	63-6
1 Cable too 2 Rotary (c 3 Rotary (n 4 Rotary (a Name of Well Cont Capital	ir) ⁸ 🗌 Jetting	Well Contractor's Licence N 1558	Source	e	558		002 ⁶³⁻⁶
1 Cable toc 2 Rotary (c 3 Rotary (r 4 Rotary (a Name of Well Cont Address	ir) ⁸ Detting ractor Water Supply Ltd.	1558	Source				
Cable toc Name of Well Cont Cable toc Name of Well Tech Name of Well Tech	ir) ⁸ Jetting ractor Water Supply Ltd. ox 490 Stittsville.0 nician	1558 ntario K2S1A6 Well Technician's Licence N	INO BSUICE	e of inspection	558	<u>1AY 062</u>	002
1 Cable toc 2 Rotary (c 3 Rotary (r 4 Rotary (a Name of Well Cont Capital Address P.O. BC	ir) ⁸ Jetting ractor Water Supply Ltd. nx 490 Stittsville.0 nician er	1558 ntario K2SlA6	INO BSUICE	e of inspection	558		002

2 - MINISTRY OF THE ENVIRONMENT COPY

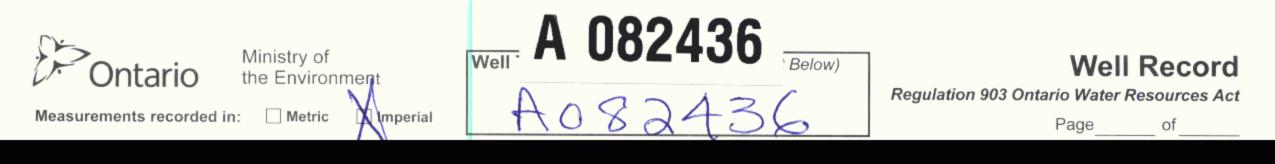
0506 (07/00) Front Form 9

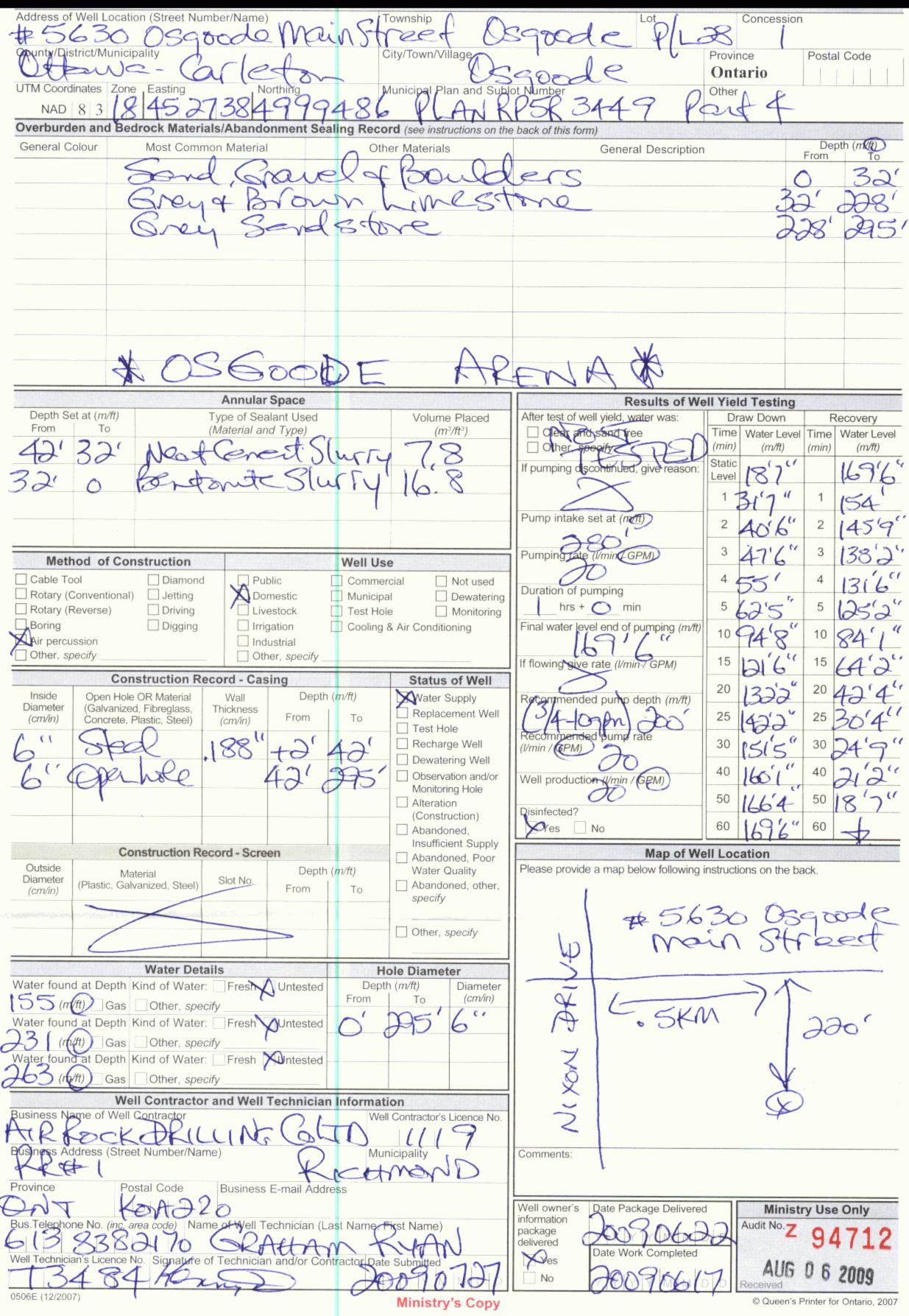
🗑 Or	Ontario Ministry of the Environment				II Ta~ Number (P A OS	lace sticker and print	number below)		Regulation 903 Ontai		Well Record Water Resources Act			
Instructions	for Con	onleting	Eorm		A0353	86				page _	of			
 For use in All Section Question All metres 	n the Pro ons must s regardin e measur	vince of be comp ng comp rements	f Ontario o pleted in ful leting this a	I to avoid de pplication of ported to	elavs in process	ing. Further in to the Water V	structions and	l expl	e retain for future refe lanations are available Coordinator at 416-2 Ministry Use Only	on the back of	this form.			
	's Inform	nation a	nd Locati	on of Well	Information	MUN	CC			LOT				
First Name Gold Haver	- Cono		Last Name			Mailing Address Box 72059	(Street Numbe	er/Nar	ne, RR,Lot,Concession)				
County/District/	'Municipali rleton	ty	٦	Kar	/Town/Village lata	Pro Oi	vince Posta ntario K2K		4 613 72					
Address of Wel			District/Munic	ipality)		Township West Carl	aton - Hu	n+1	ev 6	Concession	3			
Dr tawa Can RR#/Street Nur	mber/Nam	e				City/Town/Vill			Site/Compartment	/Block/Tract et				
GPS Reading	ne NAD 8⊤3	Zone 18	Easting	96	Northing 501 58 13	Car Unit Make/Mo Garmin		ofO	peration: Undifferentia	- Human -	aged			
Log of Over	burden	and Bec	drock Mat	erials (see	instructions)	<u></u>								
General Colour	Most o	common m	naterial	Oth	er Materials		Genera	l Des	cription	Depth From	Metres To			
Brown	ang ang	Sand					D	ry		0	1.21			
Brown			Gravel			h	let		1.21	1.82				
Brown		Clay					1	008	e	1.82	9.14			
Gray		•	& Boulde	rs	· .					9.14	10.66			
Gray		Linest								10.66	19.81			
											·			
					:									
	Diameter				Construction Re	ecord		╢╷╷	Test of W					
		iameter ntimetres	Inside	Material	Wall	Depth	Metres			w Down R Nater Level Time	ecovery Water Level			
			diam centimetres	materia	thickness centimetre	_	То		min	Metres min	1			
		2.75		······	Casing		<u>.</u>	(me	mp intake set at - Static etres) 12.19 Level	.91				
11.27 19	.81 1	.5.39	10 06	Steel Fibr	eglass	+ .45	11.27	l (litr	es/min) 54 • 6	1.39 1	1.35			
	r Record			Galvanized					ration of pumping 2	1.46 2	1.32			
Water found atMetres /	/ Kind of	Water		Steel Fibr			÷	#	hrs + min al water level end 3	1.52 3	1.22			
13.71	=	Sulphur Minerals] Plastic 🔄 Con	crete			of	pumping 1 . 87	1.JZ 3	1.44			
Other:				Galvanized	odiase			Rec	commended pump 4	1.56 4	1.23			
18 28	Fresh	Sulphur		Steel Fibr	•				Shallow Ceep	1.60 5	1.20			
Gas Other Not	Salty TEST	Minerals ビン		Galvanized				dep	oth. 12.19 etres					
m 🛄	Fresh	Sulphur			Screen				commended pump 10	1.70 10	1.10			
Gas Salty Minerals Outside				Steel Fibr					e. (htres/min) 15 owing give rate - 20	1.79 15 1.87 20	1.03			
After test of well yield, water was] Plastic [] Cor	crete				(litres/min) 25	1.84 25	.96				
Clear and sediment free			Galvanized				l lf p uec	umping discontin- d, give reason.	1.86 30	.94				
Other, specify				No Casing or S	T		40 50	1.86 40	.93					
Chlorinated	Yes	No	15.39	Open hole		11.27	19.81		60	1.88 50 1.88 60	92			
	Plugging	and Sea	aling Record	i Izi	Annular space	Abandonment			Location of We	1.00				
Depth set at - M	etres Mate	_		rry, neat cemer	t slum) etc Vo	ume Placed ubic metres)			w distances of well from roa		uilding.			
	То			nite S è u	(0	2m3	Indicate north b	y arrd	N:	E				
11.27 (JULED	Denco	alle del	** 1 *4		100							
	· · · · · ·					·								
							1		L					
							1		≠	<u> </u>	, 0			
		M	ethod of C	onstruction				*	4	مر مرکزم	3 3			
Cable Tool		Rotary (Diam						0	10			
Rotary (conve Rotary (rever	-	Air perce	ussion	Jettir	. -	Other		\mathbb{W}	escar c	est of the second	Cardeveo			
			Water	Use						17	P			
Domestic Stock]	Industria		Publ	ic Supply used	Other								
Irrigation	[Comme Municipa	al		ing & air conditionin	g	Audit No. Z	10	Date Well	Completed				
		- 24-21	Final Statu			indeped (Offers)			5974 Date Delly	2006 /ered YYYY	5 30 MM DD			
Water Suppl Observation		echarge we bandoned,	II insufficient su	Dew	the second s	andoned, (Other)	Was the well o package deliver	- 1 - E	Yes No	2006	6 1			
Test Hole		bandoned,	poor quality	Repl	acement well			_	Ministry Use Onl					
Name of Well C		Vell Con	tractor/Tech	nician Info	rmation Well Contracto	r's Licence No.	Data Source	+	Contracto	EEO	·			
Capital Business Addres		Supply	Ltd.		1558		Data D			000				
				4. 77-			Date Received	1	T 2005 DD Date of In	spection YYYY				
Box 490 Name of Well Te	echnician (la	ast name, f	irst name)	10 129	Well Technicia	n's Licence No.	Remarks			ord Number	- I			
Miller: Signater Afri Te	Stephe	ntractor			Date Submitted Y	0.00/								
Signate 10	conician/Co		· .	· .	200	6 6 1								
0506E (09/03)		*	Contr	actor's Copy		py 📋 Well Owr	ner's Copy 📋	·	Cette formul	e est disponible	e en français			

•

P O	ntario				A 04	041980			Well Record Regulation 903 Ontario Water Resources Act						
Instructior	ns for Comple	tina For	n		A04	1980		· • · ·				pa	age _	of	
 For use All Section Question All met 	in the Provin tions must be o	e of Onta ompleted mpleting onts shall	irio only. Th in full to ave this applicat be reporte	oid delays tion can t	s in proces be directed	sing. I I to the	Further i	nstructions and	lease retain for dexplanations ar nent Coordinato Ministr	e availa or at 41	ble on 6-235	the bad	ck of	this form.	
	er's Information			Well Info					on hame, RR,Lot,	Conces	sion)	1	LOT		
First Name Mortgage County/Distric	Edge	Last N					Wesc	ar Lane				·			
Ottawa Ca	rleton	Township/City/Town/Village Carp					Province Postal Code Telephone Number (include a Ontario KOA 1LO 613 836 1751						e area code)		
Address of W Ottawa Ca	ell Location (Cou trleton	nty/District	Municipality)			Towns W	lest C	arleton -	Huntley	Lot		Conces	. 3		
RR#/Street N 132 Wesca							/Town/Vi Carp	U		ompartn	nent/Bl	ock/Tra	act etc		
GPS Reading		11 1	asting 2 32 09	Nort	hing 1 59 21		t Make/M armin	odel Mode	of Operation:	<u>_</u> ,	rentiated itiated, s		Avera	ged	
	erburden and	Bedrock	Materials ((see ins	tructions)							Dept	h	Metres	
General Colou			· · · · · · · · · · · · · · · · · · ·	Other Ma			General Description						m	To	
B <u>rown</u>	-	Clay Clay		Stones			0						<u>3.65</u> 65 7.31		
Gray Gray		-		Stones Dark Layers			Medium				3.65		52.72		
Jiay		-one		- Da					• 4. 14 711						
1															
		-													
Hola	Diameter			Conc	struction Re				· · · · · · · · · · · · · · · · · · ·	Test o	fWoll	Viold			
	Metres Diamet	e Insid			Wall		Depth	Metres	Pumping test me	thod	Draw D	Down		ecovery	
From	To Centimet	centime	1	erial	thickness centimetre		From	То	submersib	le		er Level etres	Time min	Water Level Metres	
	3.22 22.75	111			Casing				Pump intake set (metres) 45.7	at - Sta 1 Le	vel 4	.49			
8.22 52	2.72 15.23	15.8	6 X Steel		.48	+	.45	8.22	Pumping rate - (litres/min) 40	95	¹ 6	.69	1	15.19	
	er Record		Galvaniz	ed					Duration of pump		2 8	.11	2	13.06	
Water found atMetres	Kind of Water			Fibreglass	· · ·				Final water level of pumping 18	end 4	3 9	.27	3	11.41	
Gas	Salty Miner	als	Galvaniz	ed					Recommended p		4 10	-30	4	10.37	
	Fresh Sulph	1 1 1	Ľ	Fibreglass					Shallow Recommended p	Deep oump	5 11		5	9.56	
Other:	<u></u>	.+	Galvaniz	ed	Screen				depth. 30.47 Recommended p	etres					
Gas	Fresh Sulph	als Outsi	OLEE	Fibreglass	1			-	rate. (Hoe Phin)	1	0 14 5 15	.72	10 15	6.88 5.83	
Other: After test of w	ell yield, water wa	diar	Plastic						If flowing give ra (litres/min)	2		.33 .57	20 25	5.47	
Clear and			Galvaniz		Casing or S	Screen			If pumping disconued, give reason.	·	30 16	.72 .88	30 40	5.25	
Chlorinated 2		15.2	3 🗶 Open ho				8.22	52.72				.50	50 60	5.17	
	Plugging and	┢╹└───		Annula	ar space		donment		Loca	tion of	**	.63		5.17	
Depth set at - From			nite slurry, neat c	<u></u>	v) etc Vo	olume P ubic me		In diagram below Indicate north by	w show distances of arrow.	well from	road, I	ot line, a	and bu	ilding.	
8.22	0 Groute	d – Be	ntonite	Slurry	4	2m3								Rd	
				*						1				de	
		`								i I				V	
				41-22	in a second s					.]	t i hereja. T	.o	ß	
Cable Tool		ary (air)	of Construc	Diamond			gging					den Ard	<u> </u>	Richardson	
Rotary (cor		percussion ing		Jetting Driving			her		132		Cot	15 D	1	an'	
Domestic	[] Ind	ustrial	Vater Use	Public Sup	ply		her		escan			R	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Ř	
Stock	Cor	nmercial nicipal		Not used	air conditionin			Audit No.	17000	Date	Well⊦ Co	mpleted			
		Final	Status of We	əll	······		d, (Other)	2	47066		Delivere	2000	6 1	MM DD 8 30 MM DD	
Water Sup	n well 🔲 Abando	e well Unfinished Abandoned ed, insufficient supply Dewatering ed, poor quality Replacement well						Dther) Was the well owner's information Date Delivered YYYY MM DD package delivered?							
Test Hole	Well (ontractor/Technician Information						Data Source	Minist	ry Use (Contr			, #	8	
Name of Well Capital	Contractor Water Sup ress (street name, r	Well Contractor's Lie 1558					nce Nb.					1:			
		mber, city etc.) 1e. Ontario, K2S, 1A6					;	Date Reveived	7 YY2806MM DI			ction Y	YYY	MM DD	
Name of Well	Technician (last nai	te, firšt name) Well Technician's Lic TOOO7					nce No.	o. Remarks Well Record Number							
Signature	ech/lician/Contracto	5	Date Submitted YYYY											e ^{gr}	
0506E (09/03)	+		Contractor's C	opy 🗌 N				ner's Copy 📋	C	ette forr	nule e:	st dispo	nible	en français	

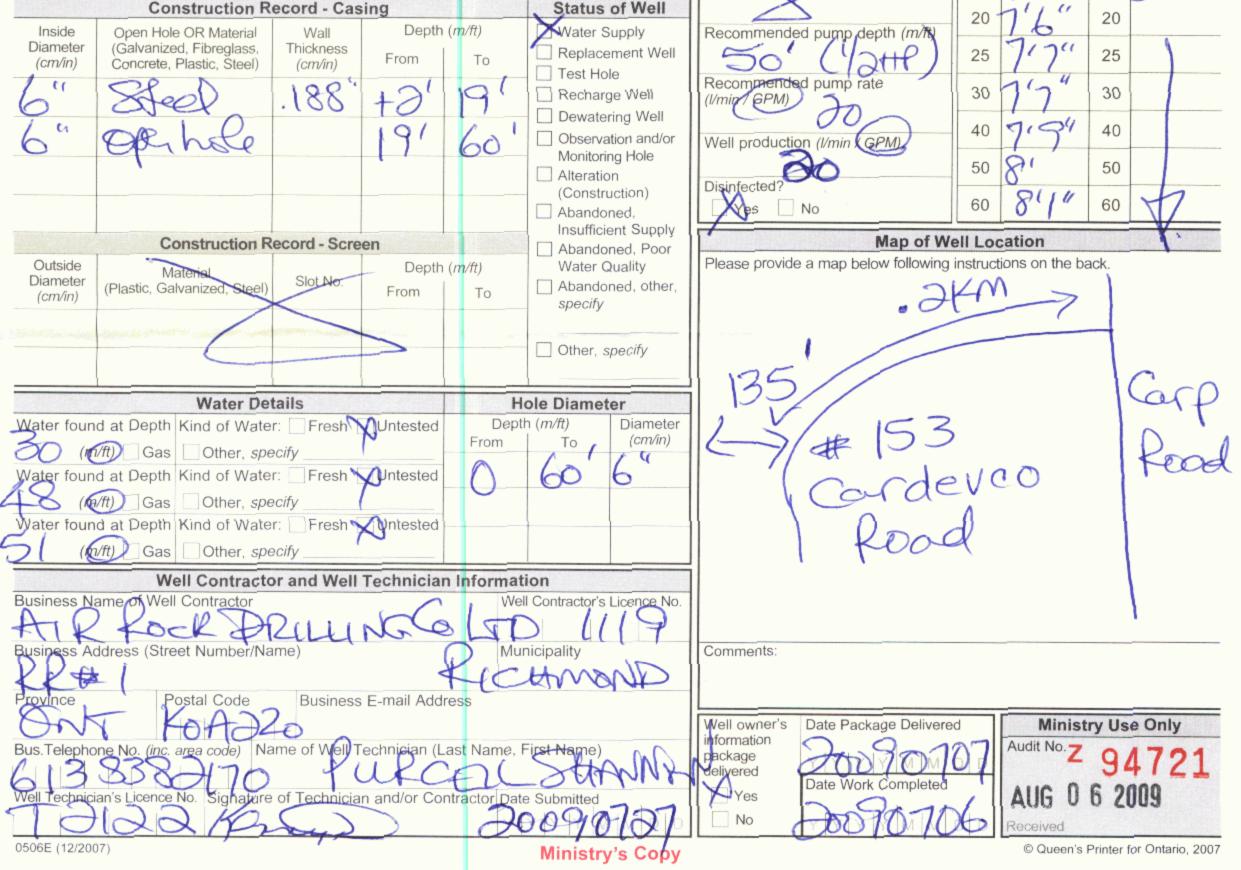
😵 Or	ntario	Ministry of the Environme			3904		Regulation 903 Ontar		
 All Section Question All metro 	in the Provin ons must be is regarding e measurem	ce of Ontario onl completed in full t completing this a ents shall be rep	to avoid delays pplication can ported to 1/10 th	ent is a perma in processing be directed to	1. Further ii	I document. Pl] ease retain for future refer l explanations are available o esk (Toll Free) at 1-888-3 Ministry Use Only	ence. on the back of	
Well Owner	's Informat	blue or black ink			MUN		DN	LOT	
RR#/Street Nu /2 6 - U GPS Reading	NAD NAD 813	Zone Easting AR - AHIZ Zone Easting AR - HAIZ Bedrock Mater	North	ning U ノ <i>ムチタロ</i>	Dinit Make/M	-A WA	c f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f f <td><u>356 - 4/R</u> ied (Arrei</td> <td>-7616</td>	<u>356 - 4/R</u> ied (Arre i	-7616
General Colour		non material	Other Ma			Genera	I Description	Depth	Metres
				ie I-Bo	11000		loose,	From	 11.51
Grey	him	swel. estonie.	<u> </u>	/ - 00	upters	6	Lard.	11.51	22,72
Hole I	Diameter		Cons	truction Reco	rd		Test of We		
	letres Diame	Inside	Material	Wall	Depth	Metres			e Water Level
From	To Centime 06 20.3	3.2 centimetres		thickness centimetres Casing	From	То	Subnet encident	Metres min 3, 40	Metres
Wate	r Record	/5,55	teel Fibreglass lastic Concrete	0.11£	0	11.51	Pumping rate - 1 (litres/min) 5 5 5 Duration of pumping 2	5,24 1	14,10
Water found atMetres	Kind of Wat		iteel Fibreglass				hrs 12 min		
10,60	Fresh Sulp Salty Mine	hur F	lastic Concrete				Final water level end of pumping / 2 2 3 metres Recommended pump 4	7,15 3 7,7 f 4	9,26
	Fresh Sulp Salty Mine	hur F erals F	iteel Fibreglass lastic Concrete alvanized				type. Shallow Deep Recommended pump 5 depth 19.69 metres	P,27 5	6.24
	Fresh Sulp			Screen			Recommended pump rate. (itres/min) 10	0.16 10	4.07
Gas	Salty Mine	diam	iteel Fibreglass	Slot No.			(fitres/min) 15 If flowing give rate - 20	2.3 15 4.4 20	3.40
After test of wel	•	as II i 🗌	lastic Concrete				(litres/min) 25	6,20 25	
Other, speci			No C	asing or Scre	en		ued, give reason. 30 /	7,77 30 7,79 40	+
Chlorinated		15,55	pen hole		11,51	22.72	50 60	7, 1 0 50 7, 1 0 60	
	etres Material a	d Sealing Record nd type (bentonite slurry	, neat cement slurry	vetc Volume	andonment Placed metres)	In diagram below Indicate north by	Location of Well v show distances of well from road v arrow.	l, lot line, and b	uilding.
0 6,0	26 Ce.	ment (ruly	120	hg.				
			······································	· · ·			PIARD	Pd /	
		Method of Con					stra d	المعرك المتعدان	
Cable Tool	entional) 🔲 Ai	itary (air) r percussion iring Water U	Diamond		Digging Other	90 290	CURP.	3	
Domestic Stock	200	Iustrial mmercial unicipal	Public Supp	iy	Other	Audit No.	Pate Well (Completed	7
Water Supply	y Rechar	Final Status	of Well	Abandor	ned, (Other)	Z	/1634 vner's information Date Delive	2006	MM DD MM DD
Test Hole	Abande	oned, poor quality Contractor/Techni	Replacemer				Ministry Use Only		
Name of Well Co	ontractor	well- Drill	W	ell Contractor's Lie		Data Source Date Received	Contractor	600	6 MM DD
Name of Well Te	90-	ume, first name)	110	ell Technician's Li		Date Received	8 ^{YY} 2005 ^{IM} DD Date of Insp Well Recor		
Signature of Tec	chnician/Contrac	ior /	Dat	te Submitted yyyy	MM DD				
0506E (08/2006)) en	and			y's Copy	, <u>L</u> ,	Cette formule	est disponible	en français





		Well T A 082584 Below)	
	Vinistry of	Well T A UOZJO4 Below)	Well Record
U UILAIIU	he Environment	NODSO/ R	Regulation 903 Ontario Water Resources Act
Measurements recorded in:	Metric	H082284	Page of

Address of Well Loo Address of Well Loo S County/District/Mur	cation (Street Numbe	r/Name) EVCO Re	od	/Temp/Village	arlet	Lot	Concessio	3	I Code
		letin	City)		Ontario	Posta	Code
UTM Coordinates Z	one Easting	Northing	Mun	itsipal Plan and Suble	ot Number	0. 1	Other		
NAD 8 3	842315		47	LAN 4M	-356	Block	7412		
Overburden and	Bedrock Materials/	Abandonment Sea	ling Record	(see instructions on the	back of this form)				~
General Colour	Most Common	Material	Other	Materials	Ge	eneral Description		De From	pth $(\frac{n_{t}}{ft})$
	Sand							0	15
	Gazi	Limps	1.0					15	60
	Grey	vince	Jere					$\left(\right)$	00
				0					
	PLAN	4R-83	368	lat3	46				
	1	Annular Space				Results of We	Il Yield Testing	3	
Depth Set at (m/ft) Typ	be of Sealant Used		Volume Placed	After test of well vie	d, water was:	Draw Down	F	Recovery
From To		aterial and Type)	a	(m³/ft³)	Clear and sad	d free	Time Water Lev (min) (m/ft)	el Time (min)	
19'0	NEST	Conort	Jun	17,8			Static 1/ 1		01.4
			6		If pumping discontin	nued, give reason.	Level D 6	4	0.1
							164	1	6'6"
					Pump intake set a	it (ag/ft)	2 (16	2	1150
					50	$) \bigcirc$		- 1	
Method of	Construction		Well Use		Pumping rate (//mi	in (GPM)	36'8		64
Cable Tool	Diamond	Public	Commercia	al 🗌 Not used	Ø	0	469	4	6'3"
Rotary (Conventio		Domestic	Municipal	Dewatering	Duration of pumpine hrs +	ng min	571	5	(1)"
Rotary (Reverse) Boring	Driving	Livestock	Cooling & A	Monitoring	Final water level en	-			60
Air percussion	Digging	Industrial		ar conditioning	81	<i>«</i>	10915	10	5'8"
Other, specify		Other, specify			If flowing give rate	(I/min-/ GPM)	15 715	15	516"



Ontario the Environment		No. (Place				lecord
Measurements recorded in:	A09:	1965 A	093965 ^{*gulatio}	n 903 Ontario Pa		ources Act of
Well Owner's Information	<u>r</u>			i Wa		
First Name D. DOREN Last Name / Organiza			E-mail Address			Constructed
Mailing Address (Street Number/Name)			Province Postal Code	e Telepho	ne No <i>. (inc</i> .	
117 WESCAR LANE. Well Location	\C	<u> </u>		<u>Milti</u>	<u> † † </u>	
Address of Well Location (Street Number/Name)	T	ownship	Lot	Conces	sion	
County/District/Municipality	с	ity/Town/yi/lage		Province	Postal	Code
UTM Coordinates Zone, Easting 714, Nothing	Man	Unicipal Plan and Subl	ot Number	Ontario Other		
NAD 8 3 0 423 280 507	5 39	•				
Overburden and Bedrock Materials/Abandonment		rd (see instructions on the er Materials	e back of this form) General Descriptio	n	Dept	th (<i>m/ft</i>)
BEN, FILC		NE	Loose.		From	1-22
BEN CLAY-	510	T	SOFT		1-22	-2-4
GFY (1AY	510	Т	WET	4	2-44	5-79

Annular Space			Results of W	ell Yield Testi	Material Internet Content of Cont	
Depth Set at (<i>m/ft</i>) Type of Sealant Use From To (<i>Material and Type</i>)	d	Volume Placed (m³/ft³)	Clear and sand free	Draw Dowr Time Water L	evel Time	
O 0.3 CONCRETE.			Other, specify	(min) (m/it) Static) (min)	(m/ft)
0.3 0.91 BENTONITE				Level 1	1	
0-713-79 5400			Pump intake set at (m/ft)	2	2	
			Pumping rate (I/min / GPM)	- 3	3	
Method of Construction Cable Tool Diamond Public	Well Use	cial 📋 Not used	Duration of pumping	4	4	
□ Rotary (Conventional) □ Jetting □ Domestic □ Rotary (Reverse) □ Driving □ Livestock	E Fest Hole		hrs + min	5	5	
□ Boring □ Digging □ Irrigation □ Air percussion つ RECT Dug □ Industrial	Cooling 8	& Air Conditioning	Final water level end of pumping (m/fit	10	10	
Dether, specify 1/1R Mugar D Other, speci	<i>b</i>		If flowing give rate (I/min / GPM)	15	15	
	epth (<i>m/ft</i>)	Status of Well	Recommended pump depth (m/ft)	20	20	
Diameter (Galvanized, Fibreglass, Thickness (cm/in) Concrete, Plastic, Steel) (cm/in) From		Replacement Well	Recommended pump rate	25	25	
4.07 YCASTIC . 368 0	1-22	Recharge Well	(<i>l/min / GPM</i>)	30	30	
		Observation and/or Monitoring Hole	Well production (I/min / GPM)	40	40	
		Alteration (Construction)	Disinfected?	50	50	
		Abandoned, Insufficient Supply		60 ////	60	Note Anna an A
Outside Material De	epth (<i>m/ft</i>)	Abandoned, Poor Water Quality	Please provide a map below following		ie back.	
(cm/in) (Plastic, Galvanizeo, Steel) From	To	Abandoned, other, specify	E			
Y. OF JURSTE TO IL	- 3.77	Other, <i>specify</i>				
Water Details		ole Diameter				
Water found at Depth Kind of Water: Fresh Untest		(<i>m/ft</i>) Diameter				0
(<i>m/ft</i>) Gas Other, specify		то (cm/in) 5-79 8,25				٤
(m/ft) Gas Other, specify				2 41		
Water found at Depth Kind of Water: Fresh Untest (<i>m/ft</i>) Gas Other, specify			1 22			
Well Contractor and Well Technic						
Business Name of Well Contractor	-	Contractor's Licence No.	[] W			
Business Address (Street Number/Name) H2-147 WASH BOUVER COC Province Bostal Code Business Email	K Mur	Chmon of	Comments:			
Trovarce Dusiness Lanan A	Address					
Bus Telephone No. (inc. area code), Name of Well Technician	n (Last Name, F	irst Name)	Well owner's Date Package Deliver	Audit No	nistry Use	
905 164 430M Jonean.	TRUIS		delivered Y Y Y Y M M Date Work Completed		ž 100	T12
Well Technician's Licence Ve. Signature of Technician and/or-		DI ORGO	10/00/1	65 Red MA	p n a s	۱ ۵ /۹

· · · · · · · · ·	18	1					· · · -
1 5.	/// Ministry of		g No. (Place Sticker a	nd/or Print Below)		Well R	ecord
Ontario	the Environment		-	1	n 903 Ontari	o Water Resc	
Measurements recorde	· · · · · · · · · · · · · · · · · · ·	1 1909	<u>7164</u> A	093964 ^{julatio}	<u> 1067</u>	Page	of
Well Owner's Inform	mation Last Name / Organiz	ration		E-mail Address		Well C	onstructed
Address (Street I			Municipality	Province Postal Code	Toloph		li Owner
))) & FSCF			CAAP				
Well Location Address of Well Location			Township	Lot	Conce	ession	
117 WEAK	2 LIANE		,		Conte		
County/District/Municipa	lity	C	City/Town/Village		Province Ontario	Postal	Code
UTM Coordinates Zong	Easting 3288 Sol	573.0	Municipal Plan and Subl	ot Number	Other		<u> </u>
NAD 8 3 0	ock Materials/Abandonmen		ord (see instructions on the	e back of this form)			
	Most Common Material		ner Materials	General Description	ו	Depti From	h (<i>m/ft)</i> To
BIN F	FUL	GLA	VA	LOSE.		0	1-2
BRAN	BELAY	570	T	SOFT		1. ZZ	7.4
SRY C	2 LAY	SILT		SOFTIWE	7	2.44	5.9
· · · · · · · · · · · · · · · · · · ·				·			
Depth Set at (m/ft)	Annular Space Type of Sealant Us	dist i ad block on the other block at both the	Volume Placed	Results of W After test of well yield, water was:	ell Yield Tes		covery
From To	(Material and Type		(m³/ft³)	Clear and sand free	Time Water	r Level Time V	Water Level
0 0,5	CONCRETE			Other, specify If pumping discontinued, give reason:	Static	1/ft) (min)	(m/ft)
0.3 0.61	BENTONITE. SAND.		-		Level 1	1	
8.6/ 3.41	SAND.			Pump intake set at (m/ft)	2	2	
				Pumping rate (I/min / GPM)	3	3	
Method of Cons	Diamond Diamond	Well Us			. 4	4	
Rotary (Conventional)	Jetting Domestic	Municipa		Duration of pumping hrs + min	5	5	
Air percussion	Digging Irrigation		& Air Conditioning	Final water level end of pumping (m/it)	10	10	
Other, specify	C USH C Other, spe	cify		If flowing give rate (I/min / GPM)	15	15	,
Inside Open Hole C	truction Record - Casing	Depth (<i>m/ft</i>)	Status of Well	Recommended pump depth (m/ft)	20	20	
Diameter (Galvanized, (cm/in) Concrete, Pla	Fibreglass, Thickness		Replacement Well		25	25	
4.03 PLAS	TIC 1368 0	0.91	Rechatos Well	Recommended pump rate (//min / GPM)	30	30	
			Observation and/or	Well production (I/min / GPM)	40	40	
			Monitoring Hole	Disinfected?	50	50	
			- (Construction)		60	60	
Outeide	struction Record - Screen		 Insufficient Supply Abandoned, Poor Water Quality 	Map of W Please provide a map below following	ell Location		
Diameter (cm/in) (Plastic, Galva	Cint Mo	Depth (<i>m/ft)</i> m To	Abandoned, other,			The back.	. 7
4.87 Mipe	STIC 10 0.4	71 5.4	£	- S	E		
		·	Other, specify	1+	2/5		N
	Water Details		lole Diameter		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	1.	
Water found at Depth Ki (m/ft) Gas	ind of Water: Fresh Unte	sted Dept From	th (<i>m/ft</i>) Diameter To (<i>cm/in</i>)	- +	13		
Water found at Depth Ki	ind of Water: Fresh Unter	sted 💋	5.49 8-25	br		Contraction of the local division of the loc	+
(m/ft) Gas Water found at Depth Ki	Other, specify ind of Water: FreshUnter	 sted					
(m/ft) 🗌 Gas 🗌	Other, specify						
Well Buşiness Name of Well C	Contractor and Well Techn		tion Il Contractor's Licence No.				
Business Address (Street	1 Carolina	7	241				
Business Address (Street	Number/Name)	6 X	inicipality Ichmonolly	Comments:			
Province Posi	tal Code Business E-mail	Address				<u></u>	
Bus.Telephone No. (inc. are	a code) Name of Well Technici	an (Last Name,	First Name)	Well owner's Date Package Delivered	Audit	Ainistry Use	
	Signature of Pechnician and/o	Tour	5 Submitted	delivered Date Work Completed		z100	Τ Ι Ι
			WW QQQV	2017001/	15 1	<u>ir 0120</u>	010

	ecorded in:	A 0	93962	A0939	62Regulation	1 903 0. 101	ntario Wa 2 Page_	ter Re:	sources Act _ of
Well Owner's	Last Name / Organiz	ation		E-mail Ac	dress] Well	Constructed
	Street Number/Name)	TTON	Municipality	Provínce	Postal Code	Т		by W	ell Owner
-	NESTAR	•	CABP	ON					
Well Location Address of Well L	ocation (Street Number/Name)	<u> </u>	Township		Lot	(Concessior	<u>) 1</u>	<u>in in an air air an a</u>
17 WE	SCAR LANE -		Cit./Town/Villago			Provinc	~~	Deste	
County/District/W			City/Town/Village			Onta		FOSIC	I Code
UTM Coordinates NAD 8 3		5 736	Municipal Plan and Suble	ot Number		Other			
Overburden an	d Bedrock Materials/Abandonment			back of this form				Der	oth (m/ft)
General Colour	Most Common Material	Oth	ner Materials		General Description	ዂ		From	
RAN	FICC CIAV	GPT.	T	7	DENSE-		1	$\frac{\mathcal{O}}{\mathcal{O}}$	
3 R V	CIAY	571	$\frac{1}{\tau_{i}}$		SOF7		1	5	<u></u>
<i>F</i>	C (0 -)		4						
<u>*************************************</u>									
	Annular Space	******			Results of We				
Depth Set at (<i>n</i> From T	n/ft) Type of Sealant Us o (Material and Type)		Volume Placed (m³/ft³)	After test of we	ell yield, water was: I sand free	Time	iw Down Water Leve		Recovery Water Level
0 0.	3 CONCRETT.			Other, sp	continued, give reason:	<i>(min)</i> Static	(m/it)	(min)	(m/ft)
).3 0.	91 BENTONIE	١		in partipling alo	onninaed, give reason.	Level 1		1	
. 71 2.	13 SAND			Pump intake	set at <i>(m/ft)</i>	2		2	····· ··· ·
	<u>าาาาาา</u> างกลางครามปลังเมตราวาาางการแอนปลังมันแรง [และปรากะจังกรีปังเป็นเป็นสินสินสินสินสินสินสินสินสินสินสินสิน			Pumping rate	(l/min / GPM)	3		3	
Method o	f Construction	Well Us		Duration of p	, ,	4		4	
Rotary (Conver		Municip		hrs +	min	5		5	
Boring	Digging Irrigation		& Air Conditioning	Final water lev	el end of pumping (m/it)	10		10	
Air percussion		cify		If flowing give	rate (I/min / GPM)	15		15	
Inside Ope	Construction Record - Casing	Depth (<i>m/ft)</i>	Status of Well	Recommende	d pump depth (m/ft)	20		20	
Diameter (Gal (cm/in) Con	vanized, Fibreglass, crete, Plastic, Steel) (cm/in) From		Replacement Well	Recommende	ed pump rate	25		25	
145	MASTIC 10 0	1.22	Recharge Well	(I/min / GPM)		30		30	
/			Observation and/or Monitoring Hole	Well production	on (I/min / GPM)	40 50		40	
			Alteration (Construction)	Disinfected?		60		50 60	
	Construction Record - Screen		Abandoned, Insufficient Supply	Yes []	Map of We		ation		av sv. sv. op. st
Outside	Material Slot No.	epth (<i>m/ft)</i>	 Abandoned, Poor Water Quality Abandoned, other, 	Please provide	e a map below following	instructio	ons on the b		
(cm/in) (Plast	From From From From From From From From	$\frac{1}{7}\frac{1}{7}$			E	(Faraa	ze	
T'F(f	MASTIC 10 1.1	4-0	Other, specify		T	Π	30		
	Water Details		lole Diameter		Its	mi	21-2m		
	epth Kind of Water: Fresh		th (<i>m/ft</i>) Diameter To (<i>cm/in</i>)	N		Γ			9
	Gas Other, <i>specify</i> epth Kind of Water: Fresh Unte	sted D	2.35.71				カイ		
· · ·	Gas Other, specify	sted							
	Gas Other, specify				N				
Business Name o	Well Contractor and Well Techn f Well Contractor		tion Support of the state of th			·····			
stata	Street Number/Name)	-7		Comments:	6				
A2-147	West Beaver Lie	zek l	Thicipality Sychmond Hi	Comments:					
Province	Postal Code Business E-mail	Address		Well owner's	Date Package Delivere	d	Minis	try Us	e Only
	(inc. area code) Name of Well Technici			information package	Y Y Y Y M M		Audit No. 7	101	D176
10) / 10 Veli Technician's Lic	zence No. Signature of Technician and/e		te Submitted	delivered	Date Work Completed		·		
$2 \wedge + h$			0100909	No No	201001	181		IN U	1 2010

()- Ont:	Ministry of ario the Environment		g No. (Place Sticker a	· _	1		Well R	
Measurements		I AC	93972	A U93	972		ario Water Reso 🏹 Page	ources Act of
***************************************	s Information					-100,	<u> </u>	
First Name	IEN Last Name / Organiz			E-mail Address				Constructed all Owner
Mailing Address	S(Street Number/Name)	N	Iunicipality CARO		Postal Code	e Tele	ephone No. (inc. i	area code)
Well Location	n		, e		<u> </u>			
	Location (Street Number/Name)	T	ownship		Lot	Co	ncession	
County/District/	Municipality	C	ity/Town/Village			Province Ontari		Code
UTM Coordinates	UNA 2 10 ALAN	<729"	Iunicipal Plan and Subl	ot Number		Other		
NAD 8 3 Overburden ar	3 (0 9 4 6 7 9 1 1 9 9 1 nd Bedrock Materials/Abandonmen	Sealing Reco	rd (see instructions on the	e back of this form)				
General Colour		1	er Materials	Gene	ral Description	1	Dept From	th (<i>m/ft)</i> To
DRN	FUL	GRAU	Ē.	600	₩E.		0	1.22
DEN	CUNY	SILT SILT	- 	5047	-1 , = -	-	1.22	2.4
GPY	SLOTY	0167		5011	1651	2	79	f D. 7
				· · · ·				
· · · · · · · · · · · · · · · · · · ·			· · · ·					
	Annular Space			1	Results of W			
Depth Set at (/ From		ed	Volume Placed (m ³ /ft ³)	After test of well yield,	water was:	Draw	Down Re	ecovery Water Level
-0	· material and type	/	<u>(),,,,,,</u>	Other, specify		(min)	(m/ft) (min)	(m/ft)
0 0.3	3 CONCRETE.			If pumping discontinue	ed, give reason:	Level		
0.3 0.	91 BENTONITE	٦		Pump intake set at (n	n/ft)	2	2	
0.91 5.	TA SAND					3	3	
Method (of Construction	Well Us		Pumping rate (I/min /	GPM)	4	4	
Rotary (Conve	entional)	Municipa Test Hole	I Dewatering	Duration of pumping hrs + r	nin	5	5	
Boring	Digging Irrigation		& Air Conditioning	Final water level end o	f pumping <i>(m/it)</i>	10	10	
Other, specify		cify		If flowing give rate (1/r	nin / GPM)	15	15	<u> </u>
Inside Op	Construction Record - Casing	Depth (<i>m/ft</i>)	Status of Well	Recommended pump	o depth (m/ft)	20	20	
	alvanized, Fibreglass, Thickness Increte, Plastic, Steel) (cm/in) From	m To	Replacement Weli			25	25	
4.03 1	PINGTIC ,368 0	1.2t	Recharge Well Dewatering Well	Recommended pump (I/min / GPM)	o rate	30	30	
			Observation and/or Monitoring Hole	Well production (I/min	л / GPM)	40	40	
			Alteration (Construction)	Disinfected?		50	50	
	Construction Record - Screen		Abandoned, Insufficient Supply	Yes No	Map of W	ell Locati	60	
Outside	Material Slot No.	Depth (<i>m/ft</i>)	 Abandoned, Poor Water Quality Abandoned, other, 	Please provide a map				
(cm/in) $(Plas)$	From From From From From From From From	m To	specify			10		17
9.05 10	4ts/1 10 1.2	<u>v 5.//</u>	Other, specify			10	<u>`</u>	N
	Water Details		ole Diameter	E	+117		Stel.	
	Depth Kind of Water: Fresh Unte		n (<i>m/ft)</i> Diameter To (<i>cm/in</i>)		$(\mathcal{F}_{\mathcal{F}})$		-N N	
	Gas Other, <i>specify</i>	sted	5. 79 825	† L_	A	2	om	\searrow
	Gas Other, specify Depth Kind of Water: Fresh Unte	sted		lu	•		the second s	
	Gas Other, specify				2.5	м		
Buşiness Name o	Well Contractor and Well Techn of Well Contractor		ion Contragtor's Licence No.					
Strata Business Address	s (Street Number/Name)	NA		Comments:				
12/11	West Beauld Che	ek p	nicipality NCIMONOLHI					
Province	J Postal Code LYBIC6	Address		Well owner's Date P	ackage Delivere	d 1	Ministry Use	Only
Bus.Telephone No	o. (inc. area code) Name of Well Technici		First Name)	information	YYMM	Au	^{dit No.} Z 100	
Well Technician's Li				Yes Date W	ork Completed		MAR 0 1	
1311 15	59	ar	DICOULDIS	DN0 76	1 0 0 I	b B Rec	ceived	2000 000 000 000 000 2000 000 000 000

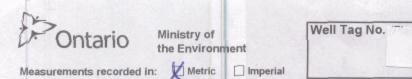
	ntario	_/	ironment	perial		19 No. (P) 5 9 3	ace Sticker a	nd/or	Print Below)	Regulation	1903 OI 26		ter Reso	ecord ources Act
Well Own	er's Infor	mation	st Name / O	vanization					E-mail Addres	s				constructed
1010	7439	C	Intari		mited						1	alambana	by Wel	Il Owner area code)
Mailing Addr		Number/Nam	Ave			ottai	Va		O N	Fostal Code		elephone	NO. (Inc. a	
Well Loca	tion									Lot		Concessio	n	
	Nesca	on (Street Num	ber/Name)			Township				LOC		Jonecsolo		
County/Dist	and the second se	the state of the second st	1			City/Town/					Provinc		Postal	Code
UTM Coordir	nates Zone			thing			Plan and Sub	lot Nu	mber		Other		1 1 1	
NAD	8 3 1 1	B 4 23 2 drock Materia		0 1 5		ord (see in	structions on th	ne back	of this form)	CHARMENTER ST	1.000	1111593	1.216.54	THE REAL PROPERTY.
General Co		Most Comm				ther Materi				eneral Descriptior	1		Dept From	th (<i>m/ft</i>) To
		1								<u></u>				
		1												
Depth Se	et at (<i>m/ft</i>)		Annular Type of Sea	and the second se		Volu	ume Placed	Aft	ter test of well y	Results of W ield, water was:		d Testing aw Down	R	ecovery
From	То	0	(Material an				(m³/ft³)		Clear and sa Other, speci		Time (min)	Water Lev (m/ft)	vel Time (min)	Water Level (m/ft)
0	.31	Concr								tinued, give reason	Static Level			
1 31	1.83	Ben	seal d								1		1	
1.83		Gron	+ 5/4	irry				- PL	ump intake set	at (<i>m/ft</i>)	2		2	
Moti	hod of Co	Instruction		1994	Well	Use		PL	umping rate (1/r	nin / GPM)	3	1	3	
Cable To	ool	Diamond			Comr	mercial	Not used	D	uration of pum	ping	4		4	
Rotary (I	(Conventiona (Reverse)	Driving		estock	Test I	Hole	Monitoring	- 10	hrs +	min	5		5	
Air percu		Digging		ustrial		ng & Air Cor	nditioning	F	nali water level e	end of pumping (m/l	10		10	
Other, s		Instruction R		her, specify		Sta	tus of Well	lft	flowing give rat	te (l/min / GPM)	15		15	
Inside Diameter	Open Ho	le OR Material	Wall		th (<i>m/it</i>)	U Wa	ter Supply		ecommended	pump depth (m/ft)	20		20	
(cm/in)		ed, Fibreglass, , Plastic, Steel)	Thickness (cm/in)	From	То	- Tes	placement Wel st Hole		ecommended	pump rate	25		25 30	
4.03	PVC	2	.368				charge Well watering Well	a	min / GPM)		40		40	
			1.2	-		Mo	servation and/or nitoring Hole		ell production	(Vmin / GPM)	50		50	
-						(Cc	eration onstruction)		sinfected?		60		60	
Differences	C	Construction R	ecord - Scre	en		Ins	andoned, ufficient Supply andoned, Poor			Map of \				
Outside Diameter	N	/laterial alvanized, Steel)	Slot No.	Dep	oth (m/ft)	W	er Quality andoned, other	P		map below followin		tions on th	e back.	1A
(cm/in)	PV		17	From	То	spe	needed		6	rescar lu	`			h
4.82	1.	<u> </u>	ID			00	her, specify				1			
		Water De	tails			Hole Dia	meter	=				3Dm		1
		Nind of Wate	r: Fresh	Unteste	ed D From	epth (<i>m/ft)</i> n To	Diamete (cm/in)				-	30.		1
		b Contract Sector Secto		Unteste	o be	1.83	20.32	2	1		10) E	230	
		b Kind of Wate		Unteste	ed		<u> </u>							
	m/ft) 🗌 Gas	s Other, sp	ecify		_									
Business 1	ALL	Vell Contractor		Technic		Well Contra	ctor's Licence N	lo.	L		_			
Stract	aso	il Sar		ng		7 Z Municipalit	141	-	comments:					
214	17 n		earer	- dies	etc 1	5 1	onelli	11	erninenta.					
Province	,	Postal Code	Busines	s E-mail A	0 0		oil.com	NV		Date Package Delive	ered	Mir	nistry Us	se Only
	hone No. (ind	c. area code) N	ame of Well	Technician	(Last Nan	ne, First Na		ir	formation ackage	Y Y Y M N	1.	Audit No		781
905 Well Techn	DG 44	2304/	e of Technic	an and/or	Contractor	Date Subm	itted		Yes	Date Work Complete	ed	14414	8 8 8	9848
34	14	8/14	the 1	No	5	2010			No 2	201021	16%	REAL	03	2010
0506E (2007	7/12) © Qui	een's Printer for Or	ntario, 2007			Min	istry's Co	ру	BB	1796				

	ntario	1	ironment	perial		g No. (Plac 9 391		d/or Print	Below)	Regulation	903 Qn		er Reso	ecord
	er's Info		st Name / O	raanizatio	24.11.1	ing filli	121997	E-mai	il Address		11116		Well C	onstructed
279L	139		ntario		mited						-	-lankana h	by Wel	I Owner
ailing Addr	ress (Street	Number/Nam	e) tre		N	Municipality	a	Provin	N	KIZICILI	w2	elephone N	lo. (inc. s	irea code)
ell Loca	-	10.12 /	1	a serie		0110-0								
		on (Street Num	ber/Name)		1	Township				Lot	C	Concession		
ounty/Dist	rict/Municip				(City/Town/Vil					Provinc		Postal	Code
M Coordir	nates Zone	Fasting	. Nor	thing		Carp Municipal Pla) an and Sublo	ot Number			Onta	rio		
NAD	8 3 1 4	84232	180 50	0115	739									
verburde		drock Materia Most Comm		nment Se		ord <i>(see instr</i> her Materials		back of this		neral Description			Dept	h (<i>m/ft</i>) To
		and the second	Annular	Space						Results of We	ell Yield	d Testing	1999	
Depth Se From	et at (<i>m/ft</i>) To		Type of Sea (Material and	lant Used			e Placed		of well yie ar and san	eld, water was: nd free		aw Down Water Leve		ecovery Water Level
ð	.31	Concret						100000000000000000000000000000000000000	er, specify		(min) Static	(m/ft)	(min)	(m/ft)
31	1.83	Bens	eal					If pumpir	ng disconti	nued, give reason:	Level		1	
83		Growt	eal t Slur	ry				Pump in	take set a	it (m/ft)	1		2	
~				1						- 1	3		3	
Meth	hod of Co	Instruction			Well U			Pumping	g rate (I/m	in / GPM)	4		4	
Cable To	ool Conventiona	Diamond		blic mestic	Comm		Not used Dewatering	a contraction of the	n of pumpi		5		5	
Rotary (I Boring	Reverse)	Driving		estock aation	Coolin	tole	Monitoring diamond		hrs + ter level er	min nd of pumping (m/ft)			10	
] Air percu] Other, s				ustrial ner, specify	,			16.0		111-1- (CDM	15	La di tata	15	
		Instruction Re				Statu	s of Well		g give rate	e (l/min / GPM)	20		20	
Inside Diameter	(Galvaniz	le OR Material ed, Fibreglass,	Wall Thickness	Barrow Constraints	oth (<i>m/1</i> t)	Water	Supply cement Well	Recom	mended p	ump depth (m/ft)	25		25	
(cm/in)	-	, Plastic, Steel)	(cm/in)	From	То	Test H Recha	lole	Recomm (I/min / C	mended p	ump rate	30		30	
.45	PVI	L	.356			- Dewa	tering Well	1			40		40	
						Monito	vation and/or oring Hole	Well pro	oduction (l	/min / GPM)	50		50	
						Cons	struction)	Disinfec	ted? s 🗌 No		60		60	
	0	construction R	ecord - Scre	en		Insuff	icient Supply doned, Poor			Map of W				
Outside Diameter	N	Material	Slot No.	Dep	oth (<i>m/ft</i>)	Water	r Quality doned, other,	Please	provide a r	map below following	g instruct	tions on the	back.	1
(cm/in)	-	alvanized, Steel)	10	From	То	spęcil	and the state of t			wescar	Ln			_
1.21	P	VZ	10			Other	1			1		1.000		1
		Water De	taile			Hole Diam	otor	-						1
later four	nd at Depth	Kind of Wate	the support of the su	Untest	ed De	epth (m/ft)	Diameter (cm/in)			35m				
		S Other, species of Wate		Untest		1.83	20.32							-7
(1	m/ft) Gas	s Other, spo	ecify		_	105				ØCT	240	m		
		h Kind of Wate		Untest	ed		•							
(1		Vell Contract		Technic				i						
1.1.200	and the second se	ell Contractor	10			Vell Contracto								
1.1.200	V Name of We	1 -	ralin	a				1						and the second se
usiness M	Name of We Address (St	reet Number/N		JA	1 . 6	Municipality	. /11	Comme	ents:					
usiness M	Name of We $4a_{5}$ Address (St 17W	reet Number/N	amb) ,	g S E-mail A	ek 1	Municipality Zizhnz	anditio	Comme	ents:					
usiness M Strac usiness /	Name of We $4a_{5}$ Address (St 17W	reet Number/Ni rest Bi Postal Code	Busines	s E-mail A	ddress	Zichma Aradas	ciloco	Well ow	vner's Da	ate Package Delive	red	Min Audit No.	istry Us	e Only
usiness M Strac usiness /	Name of We $4a_{5}$ Address (St 17W	reet Number/N reest B Postal Code 4 B L C c. area code) N	Busines	s E-mail A	ddress	Zichme	ciloco	Well ow	vner's Da tion e Y	Y Y Y M M			istry Us 111	e Only 785
usiness N Stac usiness / L-UL	Name of We $4a_{5}$ Address (St 17W	reet Number/N reest B Postal Code 4 B L C c. area code) N	Busines WWW ame of Well Mul		chek k ddress boos (Last Nam Li Ke Contractor	Zichma Aradas	e)	Well ow mformat package	vner's Da tion e Y d Da		d		istry Us 111 AY 0	785 32010

	ents recorded in:	ironment	1	g No. (Place Sticker an 093965	nd/or Print Below)	Regulation	903 OI		er Reso	ecord
First Name	100	st Name / Org		<u>1111211111111111111111111111111111111</u>	E-mail Address	<u>1111710117</u>				Constructed
Mailing Add	ress (Street Number/Nam	ontario	and the second	Municipality	Province	Postal Code	-	elephone N		area code)
1525	5 Ortona	Ave		ottawa	ON	KJCI	W2			
Well Loca Address of	Well Location (Street Num	ber/Name)		Township		Lot	(Concession		
M7 County/Dist	Wescor Ln			City/Town/Village			Provinc	e	Postal	Code
				Carp			Onta	irio	11	
UTM Coordi	83 18 4233	17 8 50	hing	Municipal Plan and Suble	ot Number		Other			
Overburde	en and Bedrock Materia	Is/Abandon	ment Sealing Rec	ord (see instructions on the her Materials		eral Description	11111		Dep	th (<i>m/ft</i>)
General Co	olour Most Comm								From	
		Annular S	ipace			Results of W	ell Yiel	d Testing		
Depth Se From	et at (m/ft) To	Type of Seala (Material and	ant Used	Volume Placed (m³/ft³)	After test of well yiek	d, water was:	Dr	aw Down		ecovery Water Level
D	.31 Concre	1	(),,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	(mini)	Other, specify		(min) Static	(m/ft)	(min)	(m/ft)
.31	1.83 Ben	seal	and the second		If pumping discontine	ued, give reason:	Level			
1.83	Gront	slurn	ŋ		Pump intake set at	(m/ft)	1		1	
			1				2		2	
Meth	hod of Construction		Well U		Pumping rate (Vmin	/ GPM)	3		3	
Cable To Rotary (Conventional) Diamond	Dom		(CTC)	Duration of pumpin	The second s	4		4	
Boring	Reverse) Driving	Lives		lole Monitoring	hrs + Final water level end	_min l of pumping (m/ll			10	
Air percu	ussion	Indu:					15		15	
	Construction R			Status of Well	If flowing give rate (l/min / GPM)	20		20	
Inside Diameter	Open Hole OR Material (Galvanized, Fibreglass,	Wall Thickness	Depth (m/ft) From To	Water Supply	Recommended pur	mp depth (m/ft)	25		25	
(cm/in)	Concrete, Plastic, Steel)	(cm/in)	FIOIN TO	Test Hole Recharge Well	Recommended pur	mp rate	30		30	
4.03	PUL	.368		Dewatering Well	(I/min / GPM)		40		40	
				Observation and/or Monitoring Hole Alteration	Well production (I/n	nin / GPM)	50		50	
				(Construction)	Disinfected?	Sec. 1	60		60	
-	Construction R	ecord - Scree	m	Abandoned, Poor		Map of V	Vell Loc	cation		
Outside Diameter	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From To	Water Quality Abandoned, other,	Please provide a ma			tions on the t	back.	1 9
(cm/in) 4.82	PUZ	ID	10	not needed	w	escar In	·			1 0
	Water Det nd at Depth Kind of Wate	the second s	and the second se	Other, specify Hole Diameter epth (m/ft) Diameter	25*	1		0.15.00		Core
(1	n/ft) Gas Other, spe	cify	From	To (cm/in) 1.83 20.32		0,1		240m		-7
(1.	nd at Depth Kind of Wate m/ft) Gas Other, spe	ncify		403 04.20						1
	nd at Depth Kind of Wate		Untested							1
	Well Contracto		Fechnician Inform	and the state of the second	i –					
	hame of Well Contractor	mplin		Vell Contractor's Licence No. 7 2 4 1						
Business A	Address (Street Number/Na	ime) 1	J	Aunicipality /	Comments:					
Province	Postal Code	Business	E-mail Address	Lichmonel Hil						
ON			echnician (Last Name		information	Package Delive	red	Minis Audit No.	try Us	e Oníy
905	76493041	nuit	Mike		Date	Y Y Y M M		z 1	11	786
Well Technic	cian's Licence No. Signature	of Technicar	and/or Contractor	Date Submitted	Yes	01003		ReaMAN	10:	3 2010
0506E (2007)	(12) © Queen's Printer for On	tario, 2007	6	Ministry's Cop			- P			

	ntario Ministry the Env	jronment	A	ng No. (Place Sticker an 093964	d/or Print Below)	Regulation	· · · · /	Well R io Water Reso Page 4	ources Act
the second se	er's Information		Charles States	and the second		10			
First Name		Ist Name / Org			E-mail Address			by We	Constructed
	ress (Street Number/Nam	e)		Municipality OHayla	Province	Postal Code		hone No. (inc.)	area code)
Well Loca		Ave	URID HILL	onava		0 ACL			
	Well Location (Street Num Wescar Ln	ber/Name)		Township		Lot	Conc	ession	
	rict/Municipality			City/Town/Village			Province	Postal	Code
UTM Coordin	nates Zone , Easting	, North	ning	Carp Municipal Plan and Sublo	t Number		Ontario Other		
NAD	83184232		115759						
Overburde General Co				ord (see instructions on the her Materials	and the second	neral Description	1	Dep	th (m/ft)
		Annular S	pace			Results of W	ell Yield Te	sting	1000
Depth Se From	et at (m/ft) To	Type of Seala (Material and		Volume Placed (m ³ /ft ³)	After test of well yie Clear and san		Draw D Time Wat		Vater Level
0	.31 Concr	ete			Other, specify		Otatia	(m/ft) (min)	(m/ft)
,31	683 Bense	al			If pumping discontin	lued, give reason:	Level	1	
1.83	Grow	t Sluri	7		Pump intake set a	t (m/ft)	2	2	
							3	3	
	nod of Construction		Well U	and the second se	Pumping rate (I/mi	n / GPM)	4	4	
Cable To Rotary (Conventional) Used Jetting	Dom	estic 🗌 Munic	ipal Dewatering	Duration of pumpin hrs +	ng min	5	5	
Rotary (F Boring	Reverse) Driving	Lives		Iole Monitoring	Final water level en	-		10	
Air percu		Indus Othe	strial r, specify		If flowing give rate	Almin / CDMI	15	15	
	Construction R	ecord - Casli	ng	Status of Well	In nowing give rate	(vnin / GPm)	20	20	
Inside Diameter	Open Hole OR Material (Galvanized, Fibreglass,	Wall Thickness	Depth (m/ft) From To	Water Supply Replacement Well	Recommended pu	imp depth (m/ft)	25	25	
(cm/in) 4.03	Concrete, Plastic, Steel) PVC	(cm/in)		Test Hole Recharge Well	Recommended pu (I/min / GPM)	imp rate	30	30	
-1,05	100	.368		Dewatering Well			40	40	
				Monitoring Hole	Well production (//	min / GPM)	50	50	
				(Construction)	Disinfected?		60	60	
NUT	Construction R	ecord - Scree	n	Insufficient Supply			lell Locatio		
Outside Diameter	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From To	Water Quality Abandoned, other,	Please provide a m	nap below following	g instructions	on the back.	1 1
(cm/in) 4.82	PVC	ID		not needed		wescar			
4.00	110			Other, specify	1		-		G
	Water De	tails		Hole Diameter		15			Cortento
	nd at Depth Kind of Wate		Untested De From	epth (<i>m/lt</i>) Diameter To (<i>cm/in</i>)		25m	2.	50 M	18
	nd at Depth Kind of Wate		Untested O	1.83 20.32		1	-		-7
	n/ft) Gas Other, spe nd at Depth Kind of Wate		Untested		8	G			
	n/ft) Gas Other, spe								,
Business N	Well Contractor	or and Well T	echnician Inform	Nation Well Contractor's Licence No.					
Strab	la Soil San	pling		7241					
	West Beau			Municipality Richmonel 414	Comments:				
Province	Postal Code	Business	E-mail Address	1				AND AND AND AND	
OW Bus.Teleph		And the Party of t	achnician (Last Nam	e, First Name)	information	te Package Delive	Au	Ministry Us dit No.	e Only
905	76493041	NUISI	Mike		delivered	Y Y Y M M te Work Complete		z111	183
34	148 May	H N	and/or Contractor I	ZO LOO3 3 6		01003	19 Rec	MAY 0 3 ceived	2010
0508E (2007/	(12) © Queen's Printer for On	tario, 2007		Ministry's Copy	BB, 1296	2			

Ministry of Well Tag No. (F Well Record Ontario the Environment A104867 Regulation 903 Ontario Water Resources Act easurements recorded in: 🕺 Metric Imperial Page of / Well Owner's Information 90 BATES CONST. MENT First Name MARNEK HONSINGS Well Constructed by Well Owner Mailing Address (Street Number/Name) Province COAILO (613)831-7044 CAR Well Location Concession 3 Address of Well Location (Street Number/Name) Township Lot 6 HUNTET County/District/Municipalit Province City/Town/Vil OTTA A CARLETON CARP KOAILO. Ontario UTM Coordinates Z Municipal Plan and Sublet Number BLOCKS 28431. NAD 8 3 18 42 JOIJHO Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form) Depth (m/ft) From To Most Common Material Other Materials General Description General Colour CLAY GREY 0,00 4.61 SAD SAND, GRAVEL, BOULDERS GREY TILL 4.61. 7.32 SIGNE GREY WINESTON 7.32 5.08 **Results of Well Yield Testing** Annular Space Volume Placed (m3/ft3) Recovery Depth Set at (m/ft) Type of Sealant Used After test of well yield, water was: Draw Down (Material and Type) Time Water Level Time Water Level Clear and sand free (min) (m/ft) (m/ft) Other, specify (min) 0 8.23 030 242 Static If pumping discontinued, give reason: Level NA. 2.45 1 261 Pump intake set at $(m/n/30^{\circ})$. 2 257 11 2 153 11 3 3 Method of Construction Well Use pm (12gon) 54 11 ,50 Commercial 4 4 Diamond Not used Cable Tool Public Durat hrs + 0 r Jetting Domestic Municipal Dewatering Rotary (Conventional) -11 249 5 5 min Rotary (Reverse) Driving Livestock Test Hole Monitoring 2.49 Cooling & Air Conditioning Boring Irrigation Digging 10 10 2.48 2004m (86 Air percussion Industrial Other, specify Other, specify 253 15 15 11 **Construction Record - Casing** Status of Well 2.59 11 20 20 Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel) Wall Thickne Water Supply Inside Depth (m/ft) Diameter (cm/in) 1.10m (30 25 7.62 25 4 From To (cm/in Test Hole 688 Skel ASB9 11 30 2.63 0,49 30 40.60 BZ3 Recharge Well Om (IL Dewatering Well 2.47 264 40 40 Observation and/or pm/k Monitoring Hole 50 11 50 11 Alteration 60 2.46 (Construction) 11 60 Abandoned, Insufficient Supply No Yes Construction Record - Screen Map of Well Location Abandoned, Poor Outside provide a map below following instru-ARRA (m/ft) Water Quality Material Diamete Slot N Abandoned, other, (Plastic, Galvanized, Steel) From To (cm/in) specify Other, specify AZ DE Hole Diameter Water Details Water found at Depth Kind of Water: Fresh Vuntested Depth (m/ft) Weiger sound at Depth Kind of Water: Fresh VUntested B23 Diameter To (cm/in) 35.08 15.74 (m/ft) Gas Other, specify Water, found at Depth Kind of Water: Fresh Untested DEL (m/ft) Gas Other, specify. Well Contractor and Well Technician Information STRUCT DEMUNG WC e No 481 Address (Street Number/Name) BOX 219 Comments Municipality Parathan Postal Code Business E-mail Address Time beliet Well owner's Ministry Use Only information package delivered (Last Name, First Name) Audit No. 2 102951 Yes actor Date APR 0 5 2011 No No © Queen's Printer for Ontario; 2007 Ministry's Copy



Chiller and/or Print Relow) A117442



Address of Well-L	esation (Street Number/N	ame)		Township HUNT	er	Lot 6	Conces	ision 3
County/District/Mu	unicipality	CARL	ED	City/Town/Village		Ŧ	Province Ontario	Postal Code
UTM Coordinates	Zone Easting	Northing	6700	Municipal Plan and Subl	ot Number		Other	inina.
NAD 8 3	Bedrock Materials/Ab		DTDD t Sealing Rec	ord (see instructions on the	back of this form)	CONTRACTOR		
General Colour	Most Common Ma			ther Materials	CONTRACTOR OF THE OWNER OF THE OWNER	al Description	1	Depth (m//t) From To
BRANKER	Y Signal		CAN					0000 209
CREY	TILL		SonD,0	SLAVEZ, BOU	NORS			289 7.02
GREY	KINESTENE		SHALE	5				7.02 33.00
								(15').
						10.00		
Depth Set at (m	statement of the second s	nular Space		Volume Placed	After test of well yield, w		Draw Dov	the second s
From DI		ial and Type		(m³/ft³)	Clear and sand fre		Time Water (min) (m/	Level Time Water Level (min) (m/ft)
one one	1 napply	Appor	yey	0040	If pumping discontinued	d, give reason:	Static Level 17	9
	grand	Ball	eng.		NA		119	9 1 2.07.
					Pump intake set at (m	Pant	2 1.9	7, 21.98
					Pumping rate (1/min / G	qe J.	3 1.9	5 3 1.95
Method of Cable Tool	Diamond	Public	Well L	the second s	401pm (10gpm)	41.9	41.875
Rotary (Convent	tional)	Domestic	Munic Munic	ipal Dewatering	Duration of pumping hrs + 0 m	in	5 2 M	5 /9/
Rotary (Reverse Boring	Digging	Livestock Irrigation	Coolir	ng & Air Conditioning	Final water level end of	pumping (m/it	10 70	1 10/86
Air percussion		Other, spe	ecify		If flowing give rate (Up	in/GPM)	15 20	15 RA
	Construction Record			Status of Well	NIA	•	20 2.0	8 20 83
Diameter (Gal	en Hole OR Material VVa vanized, Fibreglass, Thick	ness	Depth (<i>m/ft</i>)	Water Supply Replacement Well	Recommended pump	depth (m/it)	25 2.14	25 1.87
(cm/in) Cond	crete, Plastic, Steel) (cm	0+1	600	Test Hole Recharge Well	Recommended pump	rate	30 2.0	9 30 181
Bu a	and con	2 10 14	0 0.01	Dewatering Well	431pm 0	legon ,	40 2019	5 40 1.81
				Observation and/or Monitoring Hole Alteration	Well production (I/min	2 Man	50 2.1	0 50 /B/
				(Construction)	Disinfected? Yes No	11-	60 2	60 681
	Construction Record	Screen	1/A.	Abandoned, Poor	2	Map of W	/ell Location	1
Outside Diameter (Diset	Material	No	Depth (m/it)	Water Quality Abandoned, other,	Please provide a map I			the back.
(cm/in) (Plaso	ic, Galvanized, Steel)	Fro	m To	specify		41		IN
	· ·			Other, specify		d.	2 Wesce	IT W
	Water Details			Hole Diameter				
Water found at D	hepth Kind of Water:	esh 🗶 Unte	ested De	epth (m/ft) Diameter	Wal-	7		X
	Gas Other, specify	resh VUnte	From	3.18 K.74	T			2
X1 (m/ft)	Gas Other, specify	1		voice isog	123 64	Tran		
51	epth Kind of Water: F Gas Other, specify	resh XUnte	ested		1 More			2
	Well Contractor and	Well Tech	nician Inform	ation				p.
Business Name of		- 1.1.	0	Well Contractor's Licence No.				
Business Address	(Street Number/Name)_	ARCH	5 AP	Municipality 14A	Comments:			M
Province	Postal Code Bu	siness E-ma	I Address	abod of				
ON BUT THE	KUAZXU :	tanta	anling	enu.ner.	information //	ackage Deliver	-	linistry Use Only
1013 A	(inc. area code) Name of	A TA	PE	e, First Name)	package delivered	ncle	Audit N	132976
Well Technician's Lic	cence No. Signaturo de Tec	hpician and	Contractor D	Date Submitted MM	Yes Date W	brk Completed	52	JUL 0 8 2011
0506E (2007/12) ©	Queen's Printer for Ontano, 200	7		Ministry's Copy	A MARTIN	1400	Receiv	ed
				initially a copy				

Ontario	
---------	--

1

Ministry of the Environment

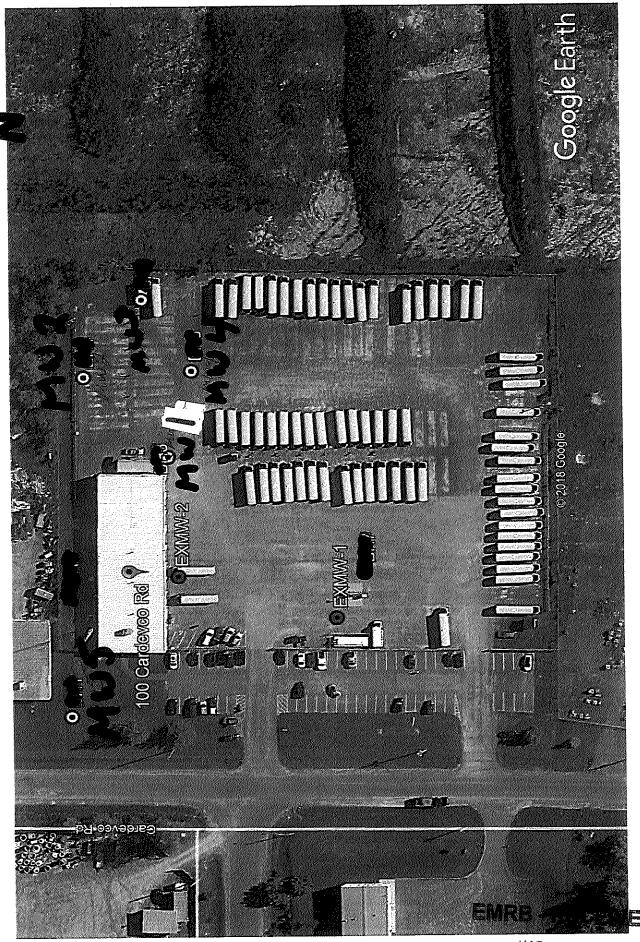
Tag#: A135308 int Below)

We

Well Record

Measurements re-		a na ang katalan sa		A135308		Neguiatio	, 303 (Dntario Wai Page_		
Well Owner's I First Name		Name / Organization			E-mail Address				1 Well	Constructed
Mailing Address (S	treet Number/Name)	Akman Cor		tion Municipality	Province	Postal Code	- university	Telephone N	by W	ell Owner
	devco Road			Carp	ON	KQA				
Well Location Address of Well Lo	cation (Street Number	/Name)		Township		Lot		Concession		
123 Car	devco Road			West Carleto	on	6. S.		3		
County/District/Mu			1	City/Town/Village			Provir Ont		Posta	I Code
JTM Coordinates 2	Zone Easting	Northing		Municipal Plan and Suble	ot Number		Other			
NAD 8 3	10 423286 Bedrock Materials//			4R8368 ord (see instructions on the	back of this form)		<u> </u>	<u>irt 9 & 1</u>	2	
General Colour	Most Common N			her Materials		al Description			From	oth (<i>mft)</i> To
		Sand & Gravel		e 🔫 🛛 Boulders					0'	11
					: :				11 1	
	MD 454 - 1 - 245 (24) - 44 - 4 					·		• .	78 '	93 ′
		· ·								
Depth Set at (m(🕽 🔰 Туре	nnular Space e of Sealant Used terial and Type)		Volume Placed	R After test of well yield, w □ Clear and sand fre		Dr	aw Down	<u></u>	ecovery
20 1 0				15.8	Other, specify	Not teste		Water Level (m/ft)	(min)	(m/ft)
					If pumping discontinued	l, give reason:	Level	7.8		19.7 '
					Pump intake set at (m.	/ft)	1	18:7	100 i	7.6
					90		2	14.2	2	7.8
Method of	Construction		Well Us		Pumping rate (I/min / 6	EM)	3	14.8	3	7.8 7.6
Rotary (Conventio	nal)		Comme Municip	al Dewatering	Duration of pumping		5	15.4	5	7.6
] Rotary (Reverse)] Boring	Driving		Test Ho Cooling	le	Final water level end of		10	17.3	10	7.6
Air percussion] Other, <i>specify</i>	· · · · · · · · · · · · · · · · · · ·	Industrial Other, specify			19.7 ^{//} If flowing give rate (l/mi	in / GPM)	15	18.4	15	7.6
	Construction Record			Status of Well	$\sum_{i=1}^{n} \sum_{j=1}^{n} \sum_{i=1}^{n} \sum_{i=1}^{n} \sum_{i=1}^{n} \sum_{j=1}^{n} \sum_{i=1}^{n} \sum_{i=1}^{n} \sum_{i=1}^{n} \sum_{i=1}^{n} \sum_{i$	a de la construcción de la construcción de la construcción de la construcción de la construcción de la construcción de la construcción de la construcción de la construcción de la construcción de la construcción de la const de la construcción de la construcción	20	19.5	20	7.6
Diameter (Galvar	nized, Fibreglass, Thic	Vall Depth (<i>m</i> kness m/in) From	To	Water Supply	Recommended pump	depth (m2,fD)	25	19.6	25	7.6
5/14" Ster		188' +2'	20	Test Hole Recharge Well	Recommended pump i	rate	30	19.6	30	7.6
	in Hole	20 /	100	Dewatering Well Observation and/or	20 Well production (I/min /	600	40	19.7	40	7.6
0 116				Monitoring Hole	20+	SELLAP	50	19.7	50	7.6
	-			- (Construction)	Disinfected?		60	19.7	60	7.6
Outside	Construction Record Material Galvanized, Steel) Slo	I - Screen Depth (<i>m</i> / t No. From	/ft) To	Insufficient Supply Abandoned, Poor Water Quality Abandoned, other, specify	Please provide a map be	Map of We elow following in			ck.	
	Water Details		H	Other, specify		. (
$\frac{78}{93} (m/2) \square Ga$	th Kind of Water: F is Other, specify h Kind of Water: F is Other, specify h Kind of Water: F		Depti From	$\frac{m(m/ft)}{To} \qquad \begin{array}{c} \text{Diameter} \\ (cm/in) \end{array}$	0 K	T T	# I	23 CARJ RO	AD	CO
siness Name of W Air Rock Dril	Vell Contractor and ell Contractor ling Co. Ltd.	Well Technician In	Wel	Contractor's Licence No. 1	Comments:	HARDS	BN	Side	ER	SAL)
vince		siness E-mail Address		Richmond	1/2 HP - 10 G	PM SET A	T 90	FT.		
61383821701	- Ind Ind Indexed	air-rock@ Well Technician (Last l Braham, Ryan Innician and/or Contrac	Name, F	Submitted 10 31	information package delivered Ves	kage Delivered			55	253
	een's Printer for Ontario, 200	1 K		Y Y M M D D Ministry's Copy		Y M M D	D	NOV	6 21	913

Ministry of the Environment and Climate Change	Well Tag No. (Place Sticker an			Nell Record
Measurements recorded in: 🖆 Metric 🗌 Imperial	A261077 Ta		23157 Pa	
Well Owner's Information				
First Name Last Name / Organization	"Canada Irc. Municipality; Bro isprisend	E-mail Address		Well Constructed by Well Owner
Mailing Address (Street Number/Name)	Municipality	Province Postal Coc QC J 7 4		ne No. (inc. area code) 9708899
4243 rue Marcel Lacasse Well Location	<u>Bro Ispriand</u>	<u>, 40 974</u>		
Address of Well Location (Street Number/Name)	Township	Lot	Conces	sion
100-120 Carden CG Rd County/District/Municipality	City/Town/Village		Province	Postal Code
UTM Coordinates Zone, Easting , Northing	Municipal Plan and Suble		Ontario Other	KOA LLO
NAD 8 3 1 8 4 2 3 4 4 7 50 1 5	952			
Overburden and Bedrock Materials/Abandonment Se	aling Record (see instructions on the Other Materials	back of this form) General Descripti	on	Depth (<i>m/ft</i>)
		den 52.		From To
BKY Stand	cave)	Se P		311.27
BKY grand g BKY sand g BAROCRY Sond store		Jayered	· · · · · · · · · · · · · · · · · · ·	1.22 6.1
		3		£
				1
		1		
				<u> </u>
Annular Space		Results of	Well Yield Test	ing
Depth Set at (m/ft) Type of Sealant Used	Volume Placed (m³/ft³)	After test of well yield, water was:	Draw Dow Time Water	vn Recovery
From To (Material and Type)		Other, specify	(min) (m/	· · · · · · · · · · · · · · · · · · ·
· 31 2.74 pentente	i	If pumping discontinued, give reas	n: Level	
11411 1 (-17				1
1.1 6.1 +,112' >ho		Pump intake set at (m/ft)	2	2
Method of Construction	Well Use	Pumping rate (I/min / GPM)	3	3
Cable Tool Diamond Public Rotary (Conventional) Jetting Domestic	Commercial Not used	Duration of pumping	4	4
Rotary (Reverse) Driving Livestock		Final water level end of pumping (r	5 n/ft)	5
Boring Digging Irrigation Air percussion Industrial				10
Construction Record - Casing	Status of Well	If flowing give rate (Vmin / GPM)	15	20
Inside Open Hole OR Material Wall Dep	oth (m/ft) Uater Supply	Recommended pump depth (m/	20 t) 25	25
(cm/in) Concrete, Plastic, Steel) (cm/in) From	To Replacement Well	Recommended pump rate	30	30
5.20 PVC ,390 0	S → C → C → C → C → C → C → C → C → C →	(Umin / GPM)	40	40
	Observation and/or Monitoring Hole	Well production (I/min / GPM)	50	50
	Alteration (Construction)	Disinfected?	60	60
	Abandoned, Insufficient Supply	Yes No	f Well Location	
Construction Record - Screen	pth (<i>m/ft</i>) Abandoned, Poor Water Quality	Please provide a map below follow		
Diameter (cm/in) (Plastic, Galvanized, Steel) Slot No. From	To Abandoned, other, specify			
6.03 PVC 10 3.1	Other, specify		M Ni	
Water Details	Hole Diameter	-		
(m/ft) Gas Other, specify	- From To (critin)	-		
Water found at Depth Kind of Water: Fresh Untest	111/17/2			
Water found at Depth Kind of Water: Fresh Untest	= 1.42 6.1 1.00			
(m/ft) Gas Other, specify	- I Information			
Business Name of Well Contractor	Well Contractor's Licence No			
Business Address (Street Number/Name)	Municipality	Comments:		
Province Postal Code , Business E-mail /	Address			
ON LIKISMIS WIRCord	Sest Hasail. Com	Well owner's Date Package De		Ministry Use Only
Bus.Telephone No. (inc. area code) Name of Well Technicia	n (Last Namè, First Name)		M D D 分行	^t No. Z 229576
Well Technician's Licence No. Signature of Technician and/or				MAR C 8 2019
0506E (2014/11)	Y Y Y M M D I Ministry's Cop	ويتفصيك كالمشرقين والمستعد والمستعد المستع		Queen's Printer for Ontario, 2014



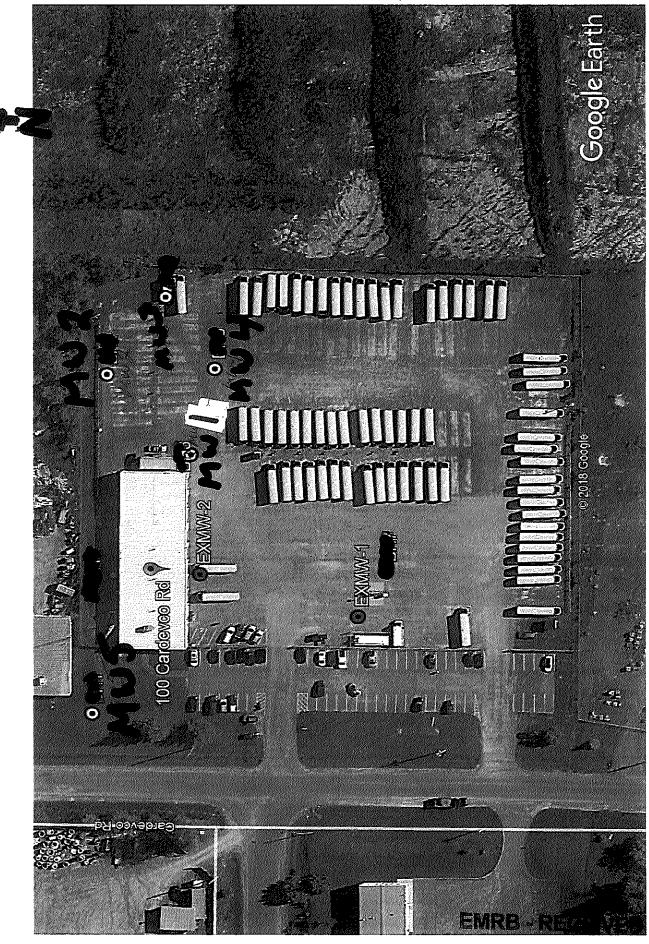
C-7241 Z229576 MAR 082019

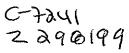
€ Pon	Itario		of the Enviror ate Change	nment		J No. (Place Sticker						ecord
Measuremen			-	perial	A26	1078 T a	ag	#:A26 778 "		tario Wate Page	er Res	ources Act of
Well Owne								· 3*43	57	· · · -		*
First Name		Ļ	st Name / Org	anization		ada Inc-		E-mail Address				Constructed
		Number/Nam	e)	~~ _	N N	Aunicipality		Province Postal Code		elephone N	0. (inc.	area code)
4243 r Well Locati		arcel L	rcasse_		/ <i>k</i> ;	Beersbeiana	1	<u>Gec</u> J7111	N 44	1509	70	<u> 8 8 9 9</u>
Address of W	ell Locatio	n (Street Num	ber/Name)		T	Township		Lot		Concession		
100-120 C	Wind CA	160 Rd				Dity/Town/Village			Provinc	<u>.</u>	Postal	Code
					×.	Strank -	Ċc	arp	Onta			AILO
UTM Coordin NAD 8	ates Zone	Easting	Nort	^{hing} / / ንገ	982	Municipal Plan and Su	blot I	Number	Other			
Overburden	i and Bec	rock Materia	ils/Abandon			ord (see instructions on	the	back of this form)				
General Colo	our	Most Comm	on Material		Oth	ner Materials		General Description			Dep From	th (<i>m/ft</i>) To
GRY	- 91	nd	····	\$	and 1		(dense		(1	+ 5/
BRN GRY	36	nd		9	rave	· · · · ·		so pr		*	$\frac{\gamma}{7}$	-61
0009	27	nd sten	٤				_	Impered		0	6	
								······				
						· · · · · · · · · · · · · · · · · · ·						
Death Oat	-4 ((5)		Annular S	Contraction of the state of the		Volume Placed		Results of We After test of well yield, water was:	and a second second	Testing	R	ecovery
Depth Set From	at (<i>m/n</i>) To		(Material and	Type)		(m³/ft³)	_	Clear and sand free			4	Water Level (m/ft)
0	-3	COACT	eserm	(shmi	5 sed		_	Other, specify If pumping discontinued, give reason:	Static	(nnn)	[11.01.17	(
5	1.72	porto.	r whe				_		1		1	
1.77	3.1	K Me!	Sand.					Pump intake set at (m/ft)	2		2	
			· · · · · · · · · · · · · · · · · · ·					Pumping rate (I/min / GPM)	3	<u> </u>	3	
Metho	NALING CONTRACTOR OF CONTRA	nstruction	🗌 🗍 Publi	c	Well Us				4		4	
Rotary (Co	nventional)		Dom Lives	estic	Municip	ai 🗌 Dewaterir	- 11	Duration of pumping hrs + min	5		5	
Boring			🗌 lπiga	tion	_	& Air Conditioning	9	Final water level end of pumping (m/ft)	10		10	
Air percuss			_ Indus	stnal r, specify				If flowing give rate (I/min / GPM)	15		15	
-		nstruction R			n (<i>m/ft</i>)	Status of Well		Recommended pump depth (m/ft)	20		20	
Inside Diameter (cm/in)	(Galvanize	e OR Material ed, Fibreglass, Plastic, Steel)	Wall Thickness (cm/in)	From	To	Replacement Wel	"	Recontinenced pump deput (mmg	25		25	
520	PVC		.340	$\overline{\mathcal{O}}$	1.52	Test Hole Recharge Well		Recommended pump rate (I/min / GPM)	30		30	
						Dewatering Well Observation and/	or	Well production (1/min / GPM)	40		40	
						 Monitoring Hole Alteration 			50		50	
						(Construction)		Disinfected?	60		60	
	Со	nstruction R	ecord - Scre	en		Insufficient Supply		Map of We				
Outside Diameter (cm/in)		aterial Ivanized, Steel)	Slot No.	Depi From	h (<i>m/ft)</i> To	Water Quality	r,	Please provide a map below followin	ig instr	Letions on t	ne paci	ς.
6.03	PUT		10	1,52	3.1	specify						
<u> </u>	V V -	-	1 F - 1		15/	Other, specify						
		Water Det	ails	n sa asas		Hole Diameter		In 1	162	1		
Water found	•		: Fresh]Untested	d Dep From	oth (<i>m/ft</i>) Diamet To (<i>cm/in</i>		1 / ·	i. YXX	0*		
Water found	<i>ft)</i>	j · ·	:Fresh	Unteste	i ()	· [0] 11.4.	3					
	<i>ft)</i> ⊡Gas	Other, species of Water			101	3.17.6	Å					
	-	Other, spe										
Ruginger àt-	9467X195012768550551257	ell Contracto	or and Well T	echnici	Veral Westa Veral Ver	ition /ell Contractor's Licence						
Business Na	une of We		Graz	p	W.		110.					
Business Ad	dress (Str	eet Number/Na	ame)		M	unicipality MRTKAMM		Comments:				
Province	<u> </u>	ostal Code	Business	E-mail Ac	dress		A.I.					A description of the second second
() N Bus Telephor	ne No. (inc	area code), Na	R ame of Well Te				24	Well owner's Date Package Delivere	.			e Only 8199
196519	1400	1911						package delivered Y Y Y W M Date Work Completed	ala	ian kanaran dan	-23 108	annan an a
Well Technicia	an's Licence	No. Signature	e of Technician	and/or C	ontractor D	ate Submitted	10		46		. с. П.	2019

	i
0506E	(2014/11)

Ministry's Copy

© Queen's Printer for Ontario, 2014



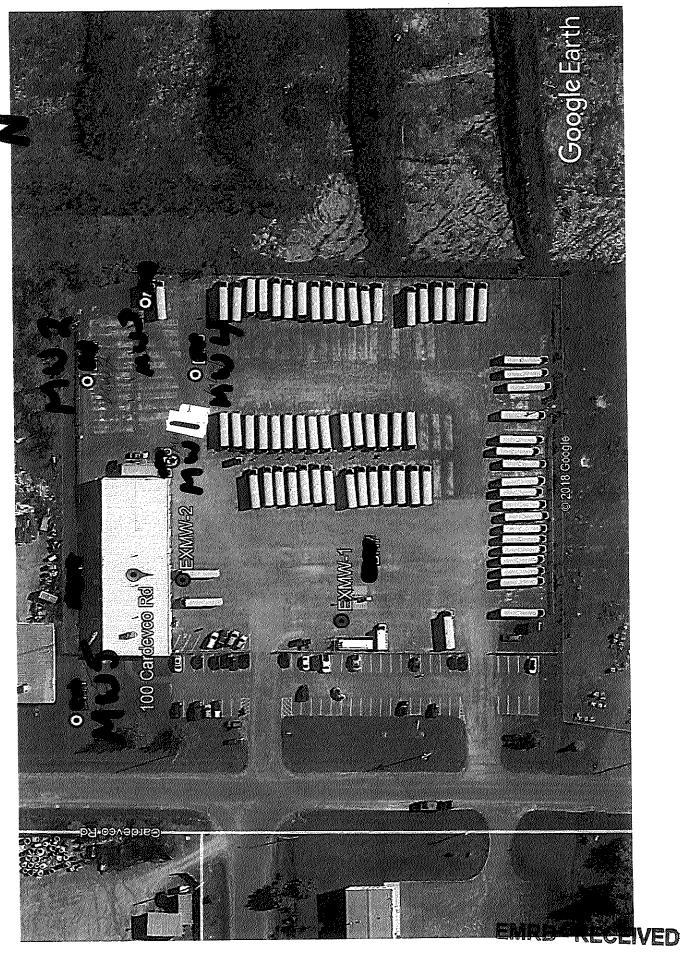


MAR 082019

			v	
Ministry of the Environment and Climate Change	11 Tag No. (Place Sticker an 261082 Tag	n#·A261082 ulation	-	Vell Record
Measurements recorded in: 🖌 Metric 🗆 Imperial	261082 10		-	
Well Owner's Information First Name Last Name / Organization		E-mail Address		
First Name Last Name / Organization	nada Inc.			Well Constructed by Well Owner
Mailing Address (Street Number/Name) 4243 FUE Marce/Lacasse	Brorsbriand	Province Postal Code		e No. (inc. area code)
Well Location				
Address of Well Location (Street Number/Name) 100-120 Cardevec Rd	Township	Lot	Concess	ion
County/District/Municipality	City/Town/Village		Province Ontario	Postal Code
UTM Coordinates Zone Easting Northing	Municipal Plan and Sublot	Arp Nurhber	Other	KOALLO
NAD 8 3 1 8 423 37 650 1 39	2 5			
Overburden and Bedrock Materials/Abandonment Sealing General Colour Most Common, Material	Other Materials	back of this form) General Description		Depth (<i>m/ft</i>) From To
BRN top soil	1	dense		0.3/
BRN top Soil BRN Sand grav GRY Sandstore	iel	soft lagered		.311.22
GRY sandstore	/	lage-ed		1.72 3.75
Annular Space		Results of W	ell Yield Testin	lg
Depth Set at (m/ft) Type of Sealant Used From To (Material and Type)	Volume Placed (m³/ft³)	After test of well yield, water was:	Draw Dowr	
0 -31 concrete		Other, specify	(min) (m/ft) Static	
.3/1.68 Sentonite		If pumping discontinued, give reason:	Level	
1.68 3.35 Litter sand		Pump intake set at (m/ft)		1
			2	2
	/ell Use	Pumping rate (I/min / GPM)	4	3
	Commercial 🗌 Not used Municipal 🗌 Dewatering	Duration of pumping hrs + min	5	5
	Test Hole Monitoring Cooling & Air Conditioning	Final water level end of pumping (m/ft		10
Air percussion		If flowing give rate (I/min / GPM)	15	15
Construction Record - Casing	Status of Well	In nowing give rate (unint Grw)	20	20
Inside Open Hole OR Material Wall Depth (m/f Diameter (Galvanized, Fibreglass, Thickness (cm/m) Concrete Plactic Steel) (cm/m) From	t) Water Supply To Replacement Well	Recommended pump depth (m/ft)	25	25
	Test Hole Recharge Well	Recommended pump rate (I/min / GPM)	30	30
Sizo PUC 3390 0 1.	Dewatering Well Observation and/or	. ,	40	40
	Monitoring Hole	Well production (I/min / GPM)	50	50
	(Construction)	Disinfected?	60	60
Construction Record - Screen	Insufficient Supply		lell Location	
Outside Material Depth (m/ Diameter (Plastic, Galvanized, Steel) Slot No. From	f) Water Quality To ☐ Abandoned, other,	Please provide a map below follow	ing instructions of	on the back.
10/12/19	specify			
	Other, specify			
Water Details	Hole Diameter	/.	INS	
Water found at Depth Kind of Water: Fresh Untested	Depth (<i>m/ft</i>) Diameter From To (<i>cm/in</i>)	R		
(<i>m/ft</i>) Gas Other, specify Water found at Depth Kind of Water: Fresh Untested	0 2.13 11.43			
(m/ft) Gas Other, specify	.13 3.35 7.62			
(<i>m/ft</i>) Gas Other, specify				
Well Contractor and Well Technician In				
Business Name of Well Contractor Strate Arithly GCOVP	Well Contractor's Licence No.			
Business Address (Street Number/Name)	Municipality Markham	Comments:		
Province Postal Code Business E-mail Address	3/ J -1		active of a state of the state	n fan het fan de seren ferste aan de seren een de seren
ON F3RBUR wrzcords@5 Bus. Telephone No. (inc. area code) Name of Well Technician (Last		Well owner's Date Package Delive	Audit N	inistry Use Only ° Z302863
905990791		delivered V V V M M Date Work Complete		
Well Technician's Licence No. Signature of Technician and/or Contra	Ctor Date Submitted	No 246904		MAR C 8 2019

0506E (2014/11)	

© Queen's Printer for Ontario, 2014



C-7241 2302863 MAR 082019



Map: Well records

This map allows you to search and view well record information from reported wells in Ontario.

Full dataset is available in the Open Data catalogue (https://data.ontario.ca/dataset/well-records).

Go Back to Map

Well ID

Well ID Number: 7344968 Well Audit Number: *Z317325* Well Tag Number: *A274753 This table contains information from the original well record and any subsequent updates.*

Well Location

Address of Well Location	128 Cardevco Rd
Township	HUNTLEY TOWNSHIP
Lot	
Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	Carp
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18 Easting: 423430.00 Northing: 5015991.00
Municipal Plan and Sublot Number	

Other	

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
GREY	GRVL	STNS	LOOS	0 m	.31 m
BRWN	SAND	STNS	SOFT	.31 m	.91 m
GREY	LMSN	SNDS	LYRD	.91 m	4.57 m

Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed
0 m	.31 m	CONCRETE Monument	
.31 m	1.22 m	BENTONITE	
1.22 m	4.57 m	FILTER SAND	

Method of Construction & Well Use

Method of Construction	Well Use
Air Percussion	
	Monitoring and Test Hole

Status of Well

Monitoring and Test Hole

Construction Record - Casing

InsideOpen Hole or materialDepthDepthDiameterFromTo
· · · ·

4.03 cm	PLASTIC	0 m	1.52 m

Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To
4.82 cm	PLASTIC	1.52 m	4.57 m

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7241

Results of Well Yield Testing

After test of well yield, water was	
If pumping discontinued, give reason	
Pump intake set at	
Pumping Rate	
Duration of Pumping	
Final water level	
If flowing give rate	
Recommended pump depth	
Recommended pump rate	
Well Production	
Disinfected?	

Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
45		45	
50		50	
60		60	

Water Details

Water Found at Depth	Kind

Hole Diameter

Depth From	Depth To	Diameter
	4.57 m	7.62 cm
0 m		11.43 cm

Audit Number: Z317325

Date Well Completed: August 28, 2019

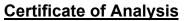
Date Well Record Received by MOE: October 09, 2019

Related

How to use a Ministry of the Environment map (https://www.ontario.ca/page/how-use-ministry-environment-map#wells)

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

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



Environment Testing

Client:	Paterson Group
	9 Auriga Dr
	Nepean, ON
	K2E 7T9
Attention:	Mr. Alex Schopf
PO#:	55854
Invoice to:	Paterson Group

🛟 eurofins

Report Number:	1986671
Date Submitted:	2022-09-23
Date Reported:	2022-09-29
Project:	PH4600
COC #:	900644

Group	Analyte	MRL	Units	Lab I.D. Sample Matrix Sample Type Sampling Date Sample I.D. Guideline	1652758 Water 2022-09-22 GW1	1652759 Water 2022-09-22 GW2
Anions	CI	1	mg/L	AO 250	185	191
	F	0.10	mg/L	MAC 1.5	0.41	0.42
	N-NO2	0.10	mg/L	MAC 1.0	<0.10	<0.10
	N-NO3	0.10	mg/L	MAC 10.0	<0.10	<0.10
	SO4	1	mg/L	AO 500	75	75
General Chemistry	Alkalinity as CaCO3	5	mg/L	OG 30-500	287	289
	Colour (Apparent)	2	TCU	AO 5	90*	86*
	Conductivity	5	uS/cm		1160	1180
	DOC	0.5	mg/L	AO 5	3.5	3.2
	рН	1.00		6.5-8.5	8.15	8.15
	Phenols	0.001	mg/L		<0.001	<0.001
	S2-	0.01	mg/L	AO 0.05	0.02	0.02
	TDS (COND - CALC)	1	mg/L	AO 500	754*	767*
	Turbidity	0.1	NTU	AO 5	13.2*	11.6*
Hardness	Hardness as CaCO3	1	mg/L	OG 80-100	457*	462*
Hydrocarbons	F1 (C6-C10)	20	ug/L		<20	<20
	F1-BTEX (C6-C10)	20	ug/L		<20	<20
	F2 (C10-C16)	20	ug/L		<20	<20
	F3 (C16-C34)	50	ug/L		<50	<50
	F4 (C34-C50)	50	ug/L		<50	<50
Indices/Calc	Ion Balance	0.01			1.01	1.01
Metals	Ag	0.0001	mg/L		<0.0001	<0.0001
	Al	0.01	mg/L	OG 0.1	<0.01	<0.01
	As	0.001	mg/L	IMAC 0.01	<0.001	<0.001
	В	0.01	mg/L	IMAC 5.0	0.02	0.02

Guideline = ODWSOG

* = Guideline Exceedence

Results relate only to the parameters tested on the samples submitted. Methods references and/or additional QA/QC information available on request.

Certificate of Analysis

Environment Testing

Client:	Paterson Group	
	9 Auriga Dr	
	Nepean, ON	
	K2E 7T9	
Attention:	Mr. Alex Schopf	
PO#:	55854	
Invoice to:	Paterson Group	

🛟 eurofins

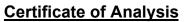
Report Number:	1986671
Date Submitted:	2022-09-23
Date Reported:	2022-09-29
Project:	PH4600
COC #:	900644

				Lab I.D. Sample Matrix Sample Type Sampling Date Sample I.D.	1652758 Water 2022-09-22 GW1	1652759 Water 2022-09-22 GW2
Group	Analyte	MRL	Units	Guideline		
Metals	Ва	0.01	mg/L	MAC 1.0	0.58	0.59
	Be	0.0005	mg/L		<0.0005	< 0.0005
	Са	1	mg/L		127	129
	Cd	0.0001	mg/L	MAC 0.005	<0.0001	<0.0001
	Со	0.0002	mg/L		<0.0002	<0.0002
	Cr	0.001	mg/L	MAC 0.05	<0.001	<0.001
	Cu	0.001	mg/L	AO 1	<0.001	<0.001
	Fe	0.03	mg/L	AO 0.3	1.34*	1.21*
	Hg	0.0001	mg/L	MAC 0.001	<0.0001	<0.0001
	K	1	mg/L		3	3
	Mg	1	mg/L		34	34
	Mn	0.01	mg/L	AO 0.05	0.13*	0.13*
	Мо	0.005	mg/L		<0.005	< 0.005
	Na	1	mg/L	AO 200	79	82
	Ni	0.005	mg/L		<0.005	<0.005
	Pb	0.001	mg/L	MAC 0.010	<0.001	<0.001
	Sb	0.0005	mg/L	IMAC 0.006	<0.0005	<0.0005
	Se	0.001	mg/L	MAC 0.05	<0.001	<0.001
	Sr	0.001	mg/L		0.720	0.724
	TI	0.0001	mg/L		<0.0001	<0.0001
	U	0.001	mg/L	MAC 0.02	<0.001	<0.001
	V	0.001	mg/L		<0.001	<0.001
	Zn	0.01	mg/L	AO 5	<0.01	<0.01
Vicrobiology	Escherichia Coli	0	ct/100mL	MAC 0	0	0
	Total Coliforms	0	ct/100mL	MAC 0	0	0

Guideline = ODWSOG

* = Guideline Exceedence

Results relate only to the parameters tested on the samples submitted. Methods references and/or additional QA/QC information available on request.



Environment Testing

Client:	Paterson Group
	9 Auriga Dr
	Nepean, ON
	K2E 7T9
Attention:	Mr. Alex Schopf
PO#:	55854
Invoice to:	Paterson Group

🛟 eurofins

Report Number:	1986671
Date Submitted:	2022-09-23
Date Reported:	2022-09-29
Project:	PH4600
COC #:	900644

				Lab I.D. Sample Matrix Sample Type Sampling Date Sample I.D.	1652758 Water 2022-09-22 GW1	1652759 Water 2022-09-22 GW2
Group	Analyte	MRL	Units	Guideline		
Nutrients	N-NH3	0.020	mg/L		0.140	0.130
	Total Kjeldahl Nitrogen	0.100	mg/L		0.358	0.188
PHC Surrogate	Alpha-androstrane	0	%		101	103
Subcontract	Tannin & Lignin	0.1	mg/L		1.3	1.2
VOCs Surrogates	1,2-dichloroethane-d4	0	%		106	112
	4-bromofluorobenzene	0	%		82	82
	Toluene-d8	0	%		96	93
Volatiles	1,1,1,2-tetrachloroethane	0.5	ug/L		<0.5	<0.5
	1,1,1-trichloroethane	0.4	ug/L		<0.4	<0.4
	1,1,2,2-tetrachloroethane	0.5	ug/L		<0.5	<0.5
	1,1,2-trichloroethane	0.4	ug/L		<0.4	<0.4
	1,1-dichloroethane	0.4	ug/L		<0.4	<0.4
	1,1-dichloroethylene	0.5	ug/L	MAC 14	<0.5	<0.5
	1,2-dichlorobenzene	0.4	ug/L	MAC 200	<0.4	<0.4
	1,2-dichloroethane	0.5	ug/L	IMAC 5	<0.5	<0.5
	1,2-dichloropropane	0.5	ug/L		<0.5	<0.5
	1,3,5-trimethylbenzene	0.3	ug/L		<0.3	<0.3
	1,3-dichlorobenzene	0.4	ug/L		<0.4	<0.4
	1,3-Dichloropropylene (cis+trans)	0.05	ug/g		<0.05	<0.05
	1,4-dichlorobenzene	0.4	ug/L	MAC 5	<0.4	<0.4
	Acetone	30	ug/L		<30	<30
	Benzene	0.5	ug/L	MAC 1	<0.5	<0.5
	Bromodichloromethane	0.3	ug/L		<0.3	<0.3
	Bromoform	0.4	ug/L		<0.4	<0.4
-	Bromomethane	0.5	ug/L		<0.5	<0.5

Guideline = ODWSOG

* = Guideline Exceedence

Results relate only to the parameters tested on the samples submitted. Methods references and/or additional QA/QC information available on request.

Certificate of Analysis

Environment Testing

Client:	Paterson Group
	9 Auriga Dr
	Nepean, ON
	K2E 7T9
Attention:	Mr. Alex Schopf
PO#:	55854
Invoice to:	Paterson Group

🛟 eurofins

Report Number:	1986671
Date Submitted:	2022-09-23
Date Reported:	2022-09-29
Project:	PH4600
COC #:	900644

				Lab I.D. Sample Matrix Sample Type Sampling Date Sample I.D.	1652758 Water 2022-09-22 GW1	1652759 Water 2022-09-22 GW2
Group	Analyte	MRL	Units	Guideline		
Volatiles	c-1,2-Dichloroethylene	0.4	ug/L		<0.4	<0.4
	c-1,3-Dichloropropylene	0.5	ug/L		<0.5	<0.5
	Carbon Tetrachloride	0.2	ug/L	MAC 2	<0.2	<0.2
	Chloroethane	0.5	ug/L		<0.5	<0.5
	Chloroform	0.5	ug/L		<0.5	<0.5
	Dibromochloromethane	0.3	ug/L		<0.3	<0.3
	Dichlorodifluoromethane	0.5	ug/L		<0.5	<0.5
	Dichloromethane	4.0	ug/L	MAC 50	<4.0	<4.0
	Ethylbenzene	0.5	ug/L	MAC 140	<0.5	<0.5
	Ethylene Dibromide	0.2	ug/L		<0.2	<0.2
	Hexane	5	ug/L		<5	<5
	m/p-xylene	0.4	ug/L		<0.4	<0.4
	Methyl Ethyl Ketone (MEK)	10	ug/L		<10	<10
	Methyl Isobutyl Ketone (MIBK)	10	ug/L		<10	<10
	Methyl Tert Butyl Ether (MTBE)	2	ug/L	AO 15	<2	<2
	Monochlorobenzene	0.5	ug/L	MAC 80	<0.5	<0.5
	o-xylene	0.4	ug/L		<0.4	<0.4
	Styrene	0.5	ug/L		<0.5	<0.5
	t-1,2-Dichloroethylene	0.4	ug/L		<0.4	<0.4
	t-1,3-Dichloropropylene	0.5	ug/L		<0.5	<0.5
	Tetrachloroethylene	0.3	ug/L	MAC 10	<0.3	<0.3
	Toluene	0.4	ug/L	MAC 60	<0.4	<0.4
	Trichloroethylene	0.3	ug/L	MAC 5	<0.3	<0.3
	Trichlorofluoromethane	0.5	ug/L		<0.5	<0.5
	Vinyl Chloride	0.2	ug/L	MAC 1	<0.2	<0.2

Guideline = ODWSOG

* = Guideline Exceedence

Results relate only to the parameters tested on the samples submitted. Methods references and/or additional QA/QC information available on request.

Certificate of Analysis

Environment Testing

Client:	Paterson Group	Report Number:	1986671
	9 Auriga Dr	Date Submitted:	2022-09-23
	Nepean, ON	Date Reported:	2022-09-29
	K2E 7T9	Project:	PH4600
Attention:	Mr. Alex Schopf	COC #:	900644
PO#:	55854		
Invoice to:	Paterson Group		

Group	Analyte	MRL	Units	Lab I.D. Sample Matrix Sample Type Sampling Date Sample I.D. Guideline	1652758 Water 2022-09-22 GW1	1652759 Water 2022-09-22 GW2
Volatiles	Xylene; total	0.5	ug/L	MAC 90	<0.5	<0.5

Guideline = ODWSOG

🛟 eurofins

* = Guideline Exceedence

Results relate only to the parameters tested on the samples submitted. Methods references and/or additional QA/QC information available on request.

SOIL PROFILE AND TEST DATA

154 Colonnade Road South, Ottawa, Ontario K2E 7J5

Geotechnical Investigation Prop. Industrial Redevelopment - 135 Cardevco Road <u>__</u> Ontario

20

▲ Undisturbed

40

60

Shear Strength (kPa)

80

 \triangle Remoulded

100

RE	MA	RK	S

						arp, Onta						
DATUM Geodetic									FILE	NO. P	G6018	
REMARKS				_			40.000		HOL		9 1-21	
BORINGS BY Backhoe				D	ATE	Novembe	er 12, 202	21				
SOIL DESCRIPTION	PLOT		SAN	IPLE		DEPTH	ELEV.			Blows/0 Dia. Col		tion
	STRATA	ТҮРЕ	NUMBER	° ≈ © © ©	VALUE r RQD	(m)	(m)	• v	Vater	Content	%	Piezometer Construction
GROUND SURFACE	S I	H	ŊŊ	REC	N O H O			20	40	60	80	ٽ <u>ت</u> ا
Asphaltic concrete 0.09			4			- 0-	118.65					
FILL: Crushed stone0.10		=G	1									
FILL: Brown silty sand with crushed stone, gravel, occasional cobbles		G	2									-
0.60 		× 										
		V										
Compact to dense, brown SILTY SAND		X G	3			1-	-117.65					
End of Test Pit												1
Bottom of thickened concrete slab encountered at 0.56m depth.												
Underside of 100mm dia. PVC drainage pipe at 0.56m depth.												
(TP dry upon completion)												

SOIL PROFILE AND TEST DATA

154 Colonnade Road South, Ottawa, Ontario K2E 7J5

Geotechnical Investigation Prop. Industrial Redevelopment - 135 Cardevco Road Carp, Ontario

								FILE	NO. PG6018	}
								HOLE	E NO. TD 2-21	
			D	ATE	Novembe	er 12, 202	21		117 2-21	
PLOT		SAN			DEPTH (m)	ELEV. (m)				eter uction
TRATA	ТҮРЕ	UMBER	COVER	VALUE r ROD			• V	Vater (Content %	Piezometer Construction
0		ч	RE	z ^o	0-	118 67	20	40	60 80	
0					0	110.07				
	βG	1								
	G	2								
	 _				1-	117.67				-
0	∑ G	3			2-	-116.67				
							20 Shea	40 ar Stre		
			OTA ELEVANS ELEVANS G 1 G 2 G 2 G 2 G 3	LOTA SAMPLE III IIII IIII IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	Lion SAMPLE III IIII N IIII IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	OA Image: Second s	DATE November 12, 2021 Per. Resist. Image: Solution of the second se	HOLE NO. TP 2-21 HOLE NO. TP 2-21 Image: SAMPLE DEPTH (m) PELEV. (m) Image: Same in the second

SOIL PROFILE AND TEST DATA

154 Colonnade Road South, Ottawa, Ontario K2E 7J5

Geotechnical Investigation Prop. Industrial Redevelopment - 135 Cardevco Road Carp, Ontario

FILE NO.

RE	MA	RK	S

DATUM

Geodetic

										-	PG6018	
REMARKS									но	LE NO.	TP 3-21	
BORINGS BY Backhoe				D	DATE	Novembe	er 12, 202	1			15 3-21	1
SOIL DESCRIPTION	PLOT		SAN	IPLE		DEPTH (m)	ELEV. (m)			t. Blov n Dia.	vs/0.3m Cone	Piezometer Construction
	STRATA	ТҮРЕ	BER	% RECOVERY	N VALUE or RQD	(11)	(11)					zome
	STR	Ъ	NUMBER	°° O B	N VP			0		Conte		C Pie
GROUND SURFACE				<u></u>	-	- 0-	118.55	20	40	60	80	
	$\frac{2}{8}$											
FILL: Brown silty sand with crushed stone, gravel and cobbles, trace asphalt		X G	1									
0.60 Rigid insulation 0.70												
		ß	2			1-	-117.55					-
Compact to dense, brown SILTY SAND												
SAND												
1.60		_										-
End of Test Pit												
Bottom of thickened concrete slab encountered at 0.56m depth.												
Underside of 100mm dia. PVC drainage pipe at 0.56m depth.												
(TP dry upon completion)												
												4
									40 ear St isturbed	60 rength I △ F		00

SOIL PROFILE AND TEST DATA

154 Colonnade Road South, Ottawa, Ontario K2E 7J5

Geotechnical Investigation Prop. Industrial Redevelopment - 135 Cardevco Road Carp, Ontario

FILE NO.

PG6018

RF	MΔ	RK	s

DATUM

FM	ΔR	KS		

Geodetic

REMARKS									HOLE N	^{ю.} TP 4-21	
BORINGS BY Backhoe		-		D	ATE	Novembe	r 12, 202	21		16 4-21	1
SOIL DESCRIPTION	PLOT		SAN	IPLE		DEPTH (m)	ELEV. (m)			lows/0.3m ia. Cone	eter ction
	STRATA	ТҮРЕ	NUMBER	% RECOVERY	N VALUE or RQD		(11)	• V	Vater Co	ontent %	Piezometer Construction
GROUND SURFACE	LS.		NC	REC	Z O			20	40	60 80	L 0
)5 📈					0-	-118.77				
FILL: Crushed stone and gravel 0.2	20 💢	G	1								
FILL: Brown silty sand with gravel	40	G	2								
		· · ·									
		•									
		·.									
						1	117 77				
						1-	-117.77				1
		•									
		G	3								
		: -]
		•									
Compact to dense, brown SILTY		G	4								
SAND											
		•.				2-	-116.77				Ţ
		•									
		•									
		·									
		•									
	· · · .	:									
		•									
		•									
		•				3-	-115.77				-
		•									
		·.									
2.4	-	•									
3.9		·									1
(Groundwater infiltration at 2.0m											
depth)											
								20 She	40 ar Stren	60 80 1 gth (kPa)	⊣ 00
								▲ Undis		\triangle Remoulded	

SOIL PROFILE AND TEST DATA

154 Colonnade Road South, Ottawa, Ontario K2E 7J5

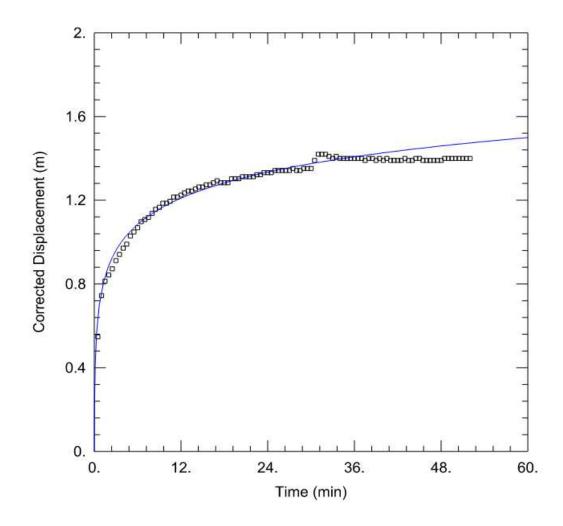
Geotechnical Investigation Prop. Industrial Redevelopment - 135 Cardevco Road Carp, Ontario

DATUM Geodetic									FILE	NO. PG6018	3
REMARKS							10.00		HOL	^{E NO.} TP 5-21	
BORINGS BY Backhoe					DATE	Novembe	er 12, 202				
SOIL DESCRIPTION	LOT			MPLE 것	El a	DEPTH (m)	ELEV. (m)			Blows/0.3m Dia. Cone	neter
	STRATA	ТҮРЕ	NUMBER	% RECOVERY	N VALUE or RQD			0	Water	Content %	Piezometer Construction
GROUND SURFACE			-	R	ZŬ	0-	-118.31	20	40	60 80	-
Asphaltic concrete0.0 FILL: Crushed stone0.1		G	1								
		x G	2								
GLACIAL TILL: Very dense, brown silty sand with gravel, cobbles and						1-	-117.31				_
slity sand with gravel, cobbles and boulders											
2.2	0					2-	-116.31				-
End of Test Pit		T									
Practical refusal to excavation at 2.20m depth											
(Groundwater infiltration at 1.9m depth)											
								20 She ▲ Undis		60 80 ⁻ ength (kPa) △ Remoulded	100

PH4600-LET.01

Pumping Test Analysis Report

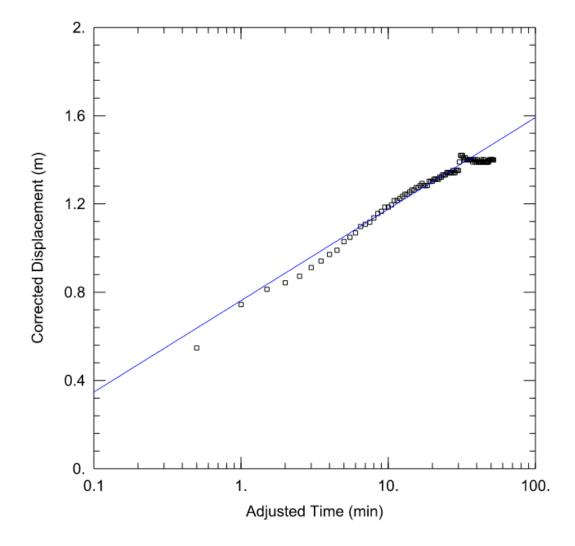
File No.	PH4600	Well ID:	TW1
Date:	Thursday, September 27	Solution Method:	Theis
Client:	Premier Bus Lines. Ltd	Transmissitivity (m2/day):	17.17
Site Address:	135 Cardevco Rd, Carp	Discharge Rate (L/min)	27
Project:	Site Plan Control Application	Analysis performed by:	AS



PH4600-LET.01

Pumping Test Analysis Report

File No.	PH4600	Well ID:	TW1
Date:	Thursday, September 27	Solution Method:	Cooper-Jacob
Client:	Premier Bus Lines. Ltd	Transmissitivity (m2/day):	17.17
Site Address:	135 Cardevco Rd, Carp	Discharge Rate (L/min)	27
Project:	Site Plan Control Application	Analysis performed by:	AS



Pumping Test Analysis Report

File No.	PH4600
Date:	Thursday, September 27
Client:	Premier Bus Lines. Ltd
Site Address:	135 Cardevco Rd, Carp
Project:	Site Plan Control Application

Summary Table:		
Solution Method:	Well ID:	Transmissitivity (m2/day):
Theis	TW1	17.17
Cooper-Jacob	TW1	17.17
Average:		17.17

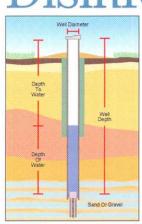
patersongroup 135 Cardevco, Carp, ON

PREDICTIVE NITRATE	IMPAC1	L ASSESS	EMENT
Infiltration Factors			
Topography		0.20	
Soil		0.40	
Cover		0.10	
Total		0.70	
Site Characteristics			
Area of Site :		2024	m²
Total of roof areas:		277	m²
Total area of paved driveway areas:		667	m²
Roof + paved driveway areas		944	m²
Impervious Area		944	m ²
Percent Impervious Area =		47	%
Infiltration Area =		1080	m²
Septic Effluent			
Concentration of Effluent (Cs) =		12	mg/L
Daily Sewage Flow (Qs)=		1.026	m ³
See Notes below.			
Infiltration Calculation			
Nitrate concentration in precipitation $(C_i) =$		0	mg/L
Surplus Water (Environment Canada)		379	mm/yr
Factored Water Surplus =		265	mm/yr
Infiltration % due to stormwater management measures		-	%
Infiltration rate from stormwater management measures =		0	mm/yr
Infiltration Flow Entering the System $(Q_i) =$		1	m ³ /day
Mass Balance Model (MOEE, 1995) $C_T = (Q_bC_b+Q_eC_e+Q_iC_i)/(Q_b+Q_e+Q_iC_i)$;) = Cumulative	Nitrate Concentratio	n
Q_b = flow entering the system across the upgradient area		0	m ³ /day
C _b = background nitrate concentration		0	mg/L
Q_e = flow entering the system from the septic drainfield		1.026	m ³ /day
C_e = concentration of nitrates in the septic effluent		12	mg/L
Q _i = flow entering the system from infiltration		1	m ³ /day
C _i = Concentration of nitrates in the infiltrate		0	mg/L
	C _T =	6.80	mg/L

135 Cardevco Road PH4600

TW1	inputs				
pН	8.15	А	0.19		
TDS Hardness	767 462	B C	2.37 2.26		
Alkalinity	289	D	2.20		
Temp.	10.6				
		pHs =	7.133434026		
Lange	lier Saturation Index (LS	SI) Calculation	(Langelier, 1936)		
Lange			(Langeller, 1930)		
	LSI = pH - pHs	A = (Log10 [TDS] - 1) /	A = (Log10 [TDS] - 1) / 10		
	pHs = (9.3 + A + B) - (C + D)	B = -13.12 x Log10 (oC + 273) + 34.55			
	Where:	C = Log10 [Ca2+ as CaCO3] - 0.4			
		D = Log10 [alkalinity as CaCO3]			
	1	LSI =	1.0		
LSI	Effect				
0.5 to 2	Water is super saturated and tends to precipitate a scale layer of calcium carbonate (scale forming but non-corrosive)				
0 to 0.5	Water is super saturated and tends to precipitate a scale layer of calcium carbonate (slightly scale forming and corrosive).				
0	Water is saturated (in equilibrium) with calcium carbonate. A scale layer of calcium carbonate is neither precipitated nor dissolved.				
0 to -0.5	Water is under saturated and tends to dissolve solid calcium carbonate (slightly corrosivebut non-scale forming).				
-0.5 to -2	Water is under saturated and tends to dissolve solid calcium carbonate (seriously corrosive).				

Disinfection Instruction Sheet



If your drinking water continues to test positive on repeated submissions, consult your local health unit, which can help you interpret the results of your tests and provide you with advice on what measures you can take to safeguard your drinking water.

The first step in identifying the reason for repeated adverse water quality is to conduct a visual inspection of your well. Start with a close look at your well. The area around it should be

clear of any potential contaminant sources, such as pets, lawn care products, and gardens. Once you're satisfied that the area around your well is okay, take a good, close look at the well itself. If you have an older well, make sure that the cap and the sealant around the well casing isn't cracked or damaged. If it is, you need to fix or replace it right away. If the source of the problem can't be detected, consult a licensed well contractor right away to identify the source of the problem and eliminate it. You can save yourself a lot of money by doing this instead of rushing out to buy a home treatment device that may be expensive to install, operate, and maintain. And it may not eliminate the source of your trouble. (If you have a cistern, please talk to your public health unit about disinfection requirements.)

1. Measure the diameter of the well.

2. Measure the well depth and the static or resting water level, then calculate the depth of water in the well.

3. Using the table on this sheet, measure out the amount of bleach needed. (The table gives the volume of bleach needed for different well sizes.) Then, pour the mixture into your well.

4. If possible, mix the water in the well. This can be accomplished by attaching a hose to a tap, running water from the well, through the hose and back into the well.

5. After adding chlorine to the well, remove or bypass any carbon filters that are in the system for water treatment. If you don't, these filters will remove the chlorine from the water, and any pipes beyond the filter will not get disinfected. Replace with new filters after chlorination to avoid reintroducing bacteria into the system.

6. Run water at every faucet in the house (and barn, if you have one) until a strong chlorine odour is detected. Be aware that your nose may lose its ability to detect chlorine.

7. If there is no chlorine smell or it is very weak, add more bleach to the well and repeat Step 6 above.

8. Drain the water heater and fill with chlorinated water.

9. Backflush the water softener and all water filters (except carbon filters).

10. Let the chlorinated water stand in the system for at least 12 hours.

11. Clear chlorine from the well by running an outside hose to the ground surface. Then, run clear water through the faucets until the water no longer smells of chlorine.

12. Avoid putting too much chlorine into the septic system because the bacteria needed for septic decomposition may be killed.

13. Do not drink the water without boiling it until test results show the water is safe to drink.

Volume of Bleach to Add for Every 3 Metres (10 Feet) of Water in the Well*				
Casing Diameter		Volume of Unscented Bleach (5.25% solution)		
Millimetres	Inches	Millilitres		
50	2	6		
100	4	30		
150	6	60		
200	8	100		
250	10	200		
300	12	250		
400	16	400		
500	20	650		
600	24	900		
900	36	2000 (2 litres)		
1200	48	3600 (3.6 litres)		

For example: If you have 6 metres (20 feet) of water in your well and it has a casing diameter of 100 mm or 4 inches, you would add 60 mm or 2 fluid ounces of bleach.

* For questions or more information on how to disinfect your well, contact your local health unit.

For more information

Ontario Government Ministry Abbreviations

Ministry of Health and Long-Term Care MOHLTC (also MOH)

Ministry of the Environment MOE (also MOEE)

Ontario Ministry of Agriculture and Food OMAF (also OMAFRA)

Ontario Government Information Lines

MOE Public Information Centre: 1-800-565-4923

MOE Water Well Records: 1-888-396-9355

MOHLTC INFOline: 1-800-268-1154

OMAF Agricultural Information Contact Centre: 1-877-424-1300

Ontario Government Web Sites

MOE: www.ene.gov.on.ca

MOHLTC: www.health.gov.on.ca

OMAF: www.gov.on.ca/omaf

🕅 Ontario

Publications available on-line

Health Canada: www.hc-sc.gc.ca

- A Guide to Well Water Treatment and Maintenance;
- Water treatment devices for disinfection of drinking water.

MOHLTC: www.health.gov.on.ca

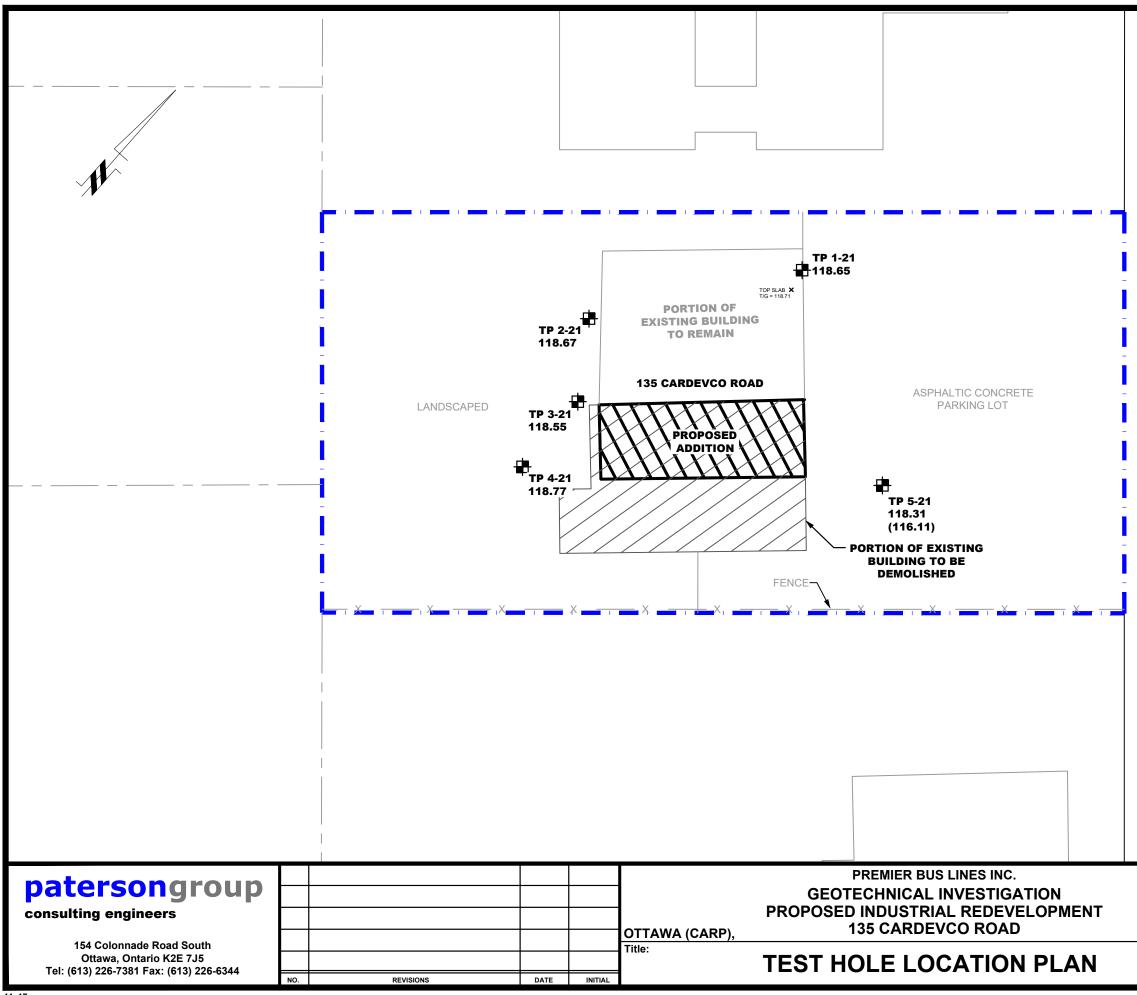
- How to use water safely during a "Boil Water Advisory";
- E. coli Bacteria;
- List of Public Health Units in Ontario.

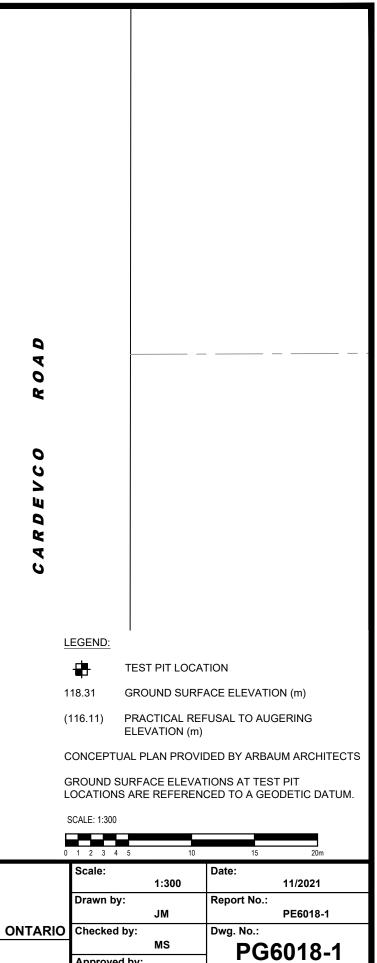
OMAF: www.gov.on.ca/omaf

- Assessing the Potential for Ground Water Contamination on Your Farm, Publication 97-017;
- Best Management Practices: Water Wells, OMAFRA and Agriculture and Agri-Food Canada, 2003 (to order).

MOE: www.ene.gov.on.ca

- Important Facts About Water Well Construction, Publication 3788;
- Water Wells and Groundwater Supplies: The Protection of Water Quality in Bored and Dug Wells, Information Sheet PIB 601b;
- Water Wells and Groundwater Supplies: The Protection of Water Quality in Drilled Wells, Information Sheet PIB 602b.

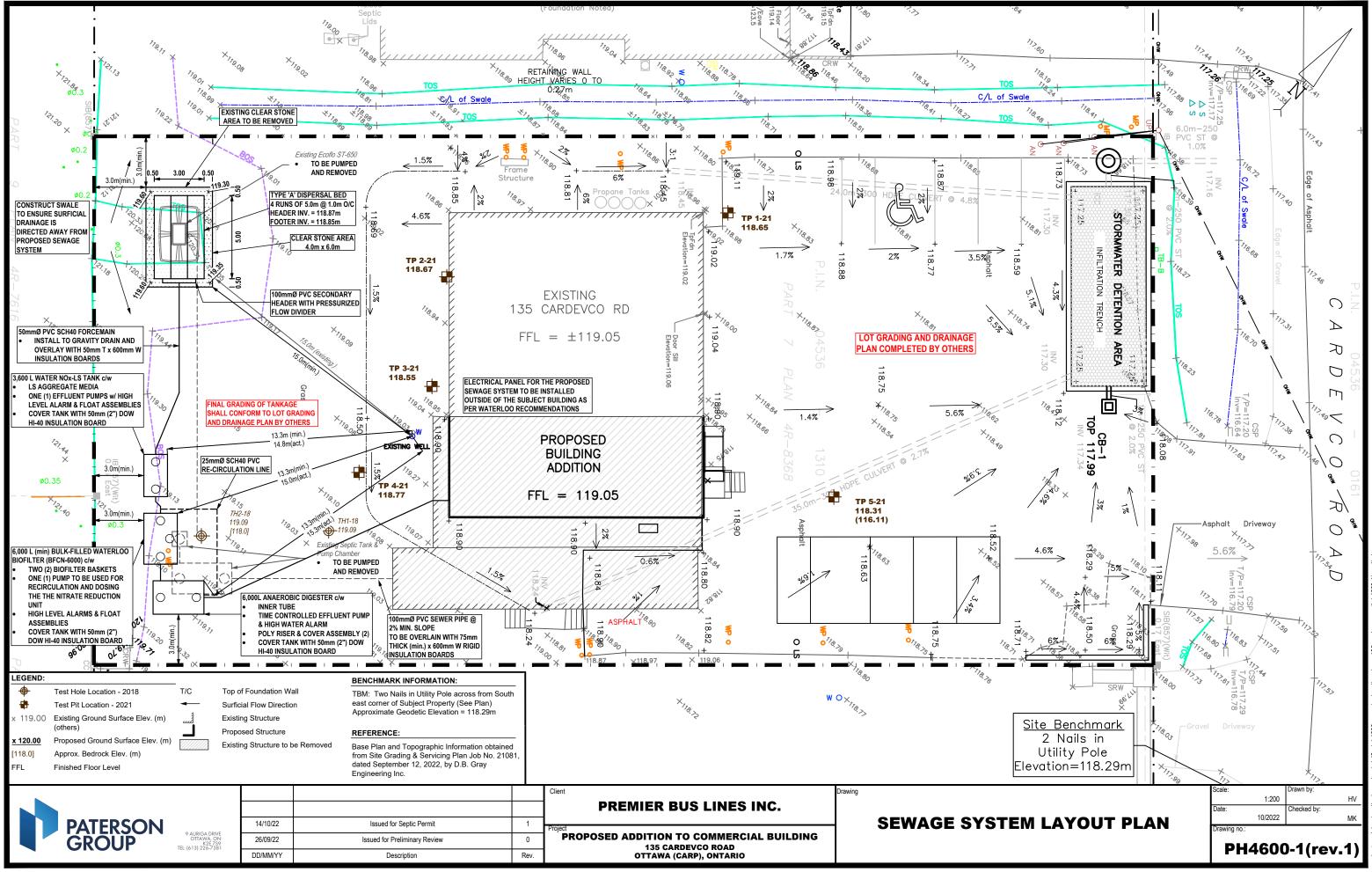




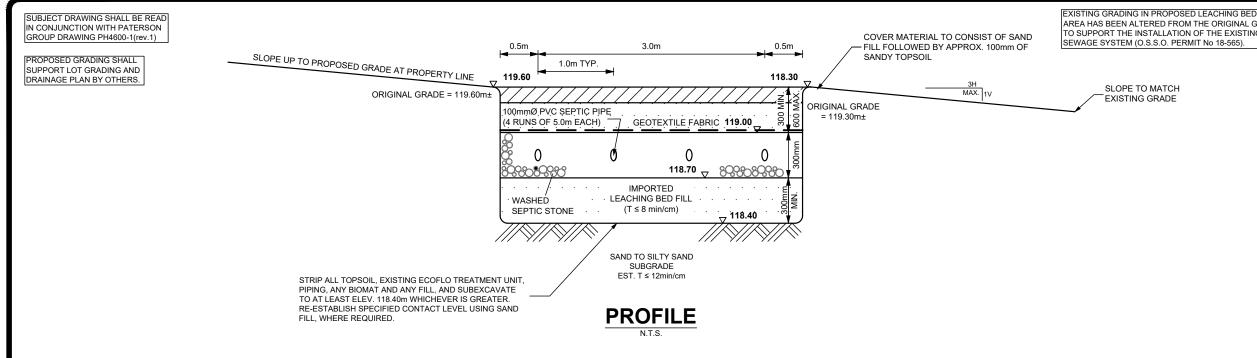
Approved by:

DJG

Revision No.:



\autocad drawings\hydrogeology\ph46xx\ph4600 - premier bus lines inc. - 135 cardevco road\ph4600-1(rev.1),dw



NOTES:

ESTIMATE OF DAILY SEWAGE FLOW (Q)

THE PROPOSED SEWAGE SYSTEM REPLACEMENT, HAS BEEN DESIGNED TO SUIT THE NITRATE REDUCTION REQUIREMENTS OF . PROPOSED ADDITION/RENOVATION WORKS OF THE BUILDING. THE DESIGN FLOW RATE HAS NOT BEEN INCREASED FROM THE EXISTING . SEWAGE SYSTEM AS PER O.S.S.O. PERMIT No. 18-565. THE BUILDING CONSISTS OF A STORAGE/OFFICE TYPE USAGE. THE SEWAGE • FLOW FOR THE EXISTING OCCUPANCY HAS BEEN CALCULATED AS FOLLOWS

- OFFICE SPACE = 90m² @ 75 L/DAY PER 9.3m² = 726 L/DAY OR
- NO. OF LOADING BAYS = 2 X 150 L/DAY = 300 L/DAY
- ESTIMATED SEWAGE FLOW = 1,026 L/DAY
- DESIGN SEWAGE FLOW RATE = 1.500 L/DAY

2) SOIL CONDITIONS

SOILS INFORMATION GATHERED BY PATERSON GROUP INC. ON SEPTEMBER 12, 2017 & NOVEMBER 12, 2021

<u>TH 1-18, ELEV. 119.09m</u>		<u>TP 2-21, ELE</u>	TP 2-21, ELEV. 118.67m		TP 3-21, ELEV. 118.55m	
0-0.29 0.29-1.20	GRAVEL SAND, TRACE GRAVEL	0-0.10 0.10-0.60 0.60-0.70 0.70-1.00 1.00-2.10	TOPSOIL FILL: SISA, GRAVEL RIGID INSULATION FILL: CRUSHED STONE BROWN SILTY SAND	0-0.12 0.12-0.60 0.60-0.70 0.70-1.60	TOPSOIL FILL: SISA CRUSHED STONE RIGID INSULATION BROWN SILTY SAND	

- TP DRY UPON COMPLETION

- TH DRY UPON COMPLETION

ANAEROBIC DIGESTER 3)

- PLIMP AND REMOVE EXISTING SEPTIC TANK
- IT IS RECOMMENDED THAT A SINGLE-COMPARTMENT 6,000L WATERLOO ANAEROBIC DIGESTER MODEL ADIPC 6,000 BE INSTALLED. THE TANK SHALL BE BEDDED ON A LAYER OF OPSS GRANULAR 'A' OF AT LEAST 150mm IN THICKNESS AND COMPACTED TO AT • LEAST 95% OF SPMDD

- TP DRY UPON COMPLETION

- INLET PIPE OF DIGESTER SHALL BE EQUIPPED WITH A WATERLOO INNER TUBE
- ANAEROBIC DIGESTER SHALL BE EQUIPPED WITH AN INTERNAL PUMP CHAMBER. TANKS SHALL BE CONNECTED USING SCH 40 PVC SEWER PIPE WITH WATERTIGHT CONNECTIONS (i.e. STAINLESS STEEL LINK .
- SEALS OR OR APPROVED EQUAL) THE PUMP TANK SHALL BE EQUIPPED WITH A SIMPLEX TIME OPERATED PUMP SYSTEM. THE PUMPS (i.e. LITTLE GIANT 12E
- EFFLUENT PUMP) FORCEMAIN TO CONSIST OF 50mm@ PVC SCH 40 PIPE
- FORCEMAIN TO BE INSTALLED TO GRAVITY DRAIN TO THE TANK AND SHALL BE OVERLAIN WITH 50mm THICK BY 600mm WIDE 7) INSULATION BOARDS
- ALL PIPING TO BE GLUED
- THE PUMP SHALL BE OPERATED BY A SIMPLEX CONTROL PANEL WITH TIMER CONTROL.
- A CONTROL SWITCH SHALL OVERRIDE THE TIMER TO MAINTAIN THE LIQUID LEVEL WITHIN THE WORKING CAPACITY OF THE TANK. ALL ELECTRICAL WORKS MUST BE CARRIED OUT BY A QUALIFIED ELECTRICAL CONTRACTOR IN ACCORDANCE TO THE LATEST CODES, BYLAWS AND REGULATIONS.
- CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN ALL NECESSARY ELECTRICAL PERMITS AND COORDINATE ALL ELECTRICAL INSPECTIONS
- THE DIGESTER TANK SHALL BE COVERED WITH 50mm (2") DOW HI-40 INSULATION BOARDS.
- FINAL GRADING SHALL BE SHAPED TO ENSURE THAT SURFACE WATER IS DIRECTED AWAY FROM ALL TANKS A POLYLOK RISER AND INSULATED COVER ASSEMBLY, WHICH EXTENDS TO THE GROUND SURFACE, SHALL BE INSTALLED OVER •
- THE EACH OF THE TANK OPENINGS.
- ACCESS LIDS SHALL INCLUDE SAFETY DEVICES AS PER CSA B66-21

TREATMENT UNIT

THE TREATMENT UNIT SHALL CONSIST OF A 6,000L WATERLOO BIOFILTER MODEL BFCN6000 WASTEWATER TREATMENT UNIT. THE TREATMENT UNIT SHALL BE INSTALLED IN SERIES AND DOWNSTREAM FROM THE DIGESTER TANK

A 50mmØ SCH 40 PVC FORCEMAIN SHALL BE USED TO CARRY THE EFFLUENT FROM THE PUMP TANK IN THE ANAEROBIC DIGESTER • TO THE BULK FILLED BIOFILTER IN THE FIRST COMPARTMENT OF THE TREATMENT UNIT.

- FORCEMAIN SHALL BE INSTALLED TO GRAVITY DRAIN TO PUMP VAULT.
- THE FIRST COMPARTMENT OF THE BIOFILTER TANK SHALL BE BULK FILLED WITH THE BIOFILTER MEDIUM THE WASTEWATER FROM THE PUMP VAULT SHALL BE DOSED USING SPRAY NOZZLES OVER EACH OF THE BASKETS IN BIOFILTER •
- TANK. THE SECOND COMPARTMENT OF THE TREATMENT UNIT SHALL BE EQUIPPED WITH A SIMPLEX EFFLUENT PUMP. THE FINAL TREATED EFFLUENT COLLECTS ON THE FLOOR OF THE SECOND COMPARTMENT AND THE EFFLUENT PUMP (LITTLE GIANT 12E), 9) DOSES THE NITRATE REDUCTION UNIT AS WELL AS THE RECIRCULATION RECIRCULATION.
- THE TREATMENT UNIT SHALL BE PROVIDED WITH A MINIMUM OF 510 mm SOIL COVER AND OVERLAIN WITH 50mm THICK HI INSULATION BOARDS
- A POLYLOK RISER AND CHARCOAL VENTED INSULATED COVER ASSEMBLY, WHICH EXTENDS TO THE GROUND SURFACE, SHALL BE INSTALLED OVER EACH OF THE TANK OPENINGS

WATER NOx-LS TANK 5)

- INSTALL A NEW 3,600L CONCRETE, TWO-COMPARTMENT WATER NOX-LS TANK
- FIRST COMPARTMENT TO CONTAIN LIME-SULPHUR AGGREGATE MEDIA SECOND COMPARTMENT TO BE EQUIPPED WITH ONE (1) LITTLE GIANT 12E (OR EQUIVALENT) EFFLUENT PUMP AND OPERATIONAL . AND HIGH-LEVEL ALARM FLOATS SET TO MANUFACTURER SPECIFICATIONS
- ACCESS LID TO TANK OPENING SHALL BE EXTENDED TO THE GROUND SURFACE. INSTALL RISER AND COVER TO SUIT

6) FORCEMAIN (TO TYPE 'A' DISPERSAL BED)

- A 50mmØ SCH 40 FORCEMAIN SHALL BE USED TO CARRY THE EFFLUENT FROM THE WATER NOX-LS TANK TO THE SECONDARY HEADER OF THE TYPE 'A' DISPERSAL BED.
- FORCEMAIN SHALL BE INSTALLED TO EITHER GRAVITY DRAIN BACK TO THE PUMP CHAMBER OR BURIED MIN. 1.8m BELOW GROUND SURFACE TO PROVIDE FROST PROTECT OF THE CHARGED LINE
- THE FORCEMAIN SHALL BE INSTALLED ON A 150mm THICK LAYER OF COMPACTED SAND OVERLAIN WITH 50mm T x 600mm W RIGID INSULATION BOARD IF NOT INSTALLED 1.8m B/G.
- OPERATIONAL FLOAT TETHER LENGTH SHALL BE SET TO MANUFACTURER SPECIFICATIONS. PUMP CHAMBER SHALL BE EQUIPPED WITH A HIGH-LEVEL ALARM FLOAT SET TO ALLOW RESPONSE TIME IN THE EVENT OF PUMP
- FAILURE

TYPE 'A' DISPERSAL BED SIZING REQUIREMENTS

- STONE AREA REQUIRED = Q/50 = 1.500/75 = 20.0m
- USE 4 RUNS OF 5.0m EACH @ 1.0m o/c
- STONE AREA PROVIDED = 4.0m x 6.0 = 24.0m² SAND AREA REQUIRED = 1,900(12)/850 = 21.2m²
- SAND AREA PROVIDED = 4 0m x 6 0m = 24 0m²

TYPE 'A' DISPERSAL BED CONSTRUCTION GUIDELINES 8)

- REMOVE ALL TOPSOIL/ ECOFLO TREATMENT UNIT/ PIPE/ STONE/ BIOMAT/ CONTAMINATED MATERIAL ASSOCIATED WITH EXISTING DISPOSAL FIELD AND SUBEXCAVATE TO AT LEAST ELEVATION 118.40m
- A MINIMUM THICKNESS OF 0.30m OF LEACHING BED SAND FILL, HAVING A PERCOLATION RATE OF NOT GREATER THAN 8 min/cm, SHALL BE INSTALLED BELOW OVER THE EXTENDED BASE AREA.
- LEACHING BED SAND FILL SHALL CONSIST OF UNIFORM SAND WITH GRADING LIMITS SIMILAR TO 100% PASSING 13.2mm SIEVE. LESS THAN 5% PASSING 0.075mm SIEVE AND HAVING A PERCOLATION RATE OF 6 TO 8 min/cm

- THE LEACHING BED FILL SHALL CONFORM TO THE REQUIREMENTS OF 8.7.7.1.(4).(a) OF THE OBC. THE DISTRIBUTION PIPES (4 RUNS OF 5.0m EACH) SHALL CONSIST OF 100mm@ PERFORATED PVC SEPTIC PIPE WHICH SHALL BE
- EMBEDDED IN A CONTINUOUS 300mm THICK LAYER OF WASHED SEPTIC STONE

- THE INVERT LEVEL OF THE DISTRIBUTION PIPES SHALL BE SET AT ELEVATION 118.87m AT THE HEADER AND ELEVATION 118.85m A
- THE FOOTER
- THE ENDS OF EACH RUN SHALL BE INTERCONNECTED WITH A SOLID PVC FOOTER PIPE. THE CLEAR STONE LAYER SHOULD BE COVERED WITH A NON-WOVEN GEOTEXTILE FABRIC
- THE SURFACE OF THE BED SHOULD BE COVERED WITH PERMEABLE SAND FOLLOWED BY APPROXIMATELY 100mm OF SANDY TOPSOIL. THE BED AREA SHOULD BE VEGETATED.
- THE TOTAL THICKNESS OF THE COVER OVER THE CLEAR STONE SHOULD BE WITHIN A RANGE OF 0.3m TO 0.6m THE SIDES OF THE BED SHOULD BE SLOPED IN THE RANGE OF 3H:1V OR SHALLOWER.

MINIMUM CLEARANCE DISTANCE FROM LEACHING BED

- 3.0m FROM ANY PROPERTY LINE
- 5.0m FROM ANY STRUCTURE; 5.0m TO ANY STRUCTURE WITHOUT PERIMETER DRAINAGE 15 0m FROM ANY DRILLED WELL: 31 1m TO ANY DUG OR SANDPOINT WELL

10) MINIMUM CLEARANCE DISTANCE FROM TANK(S)

- 1.5m FROM ANY STRUCTURE
- 13.3m FROM SUBJECT DRILLED WELL AND 15.0m FROM ANY OTHER DRILLED WELL (AS PER EXISTING) 3.0m FROM ANY PROPERTY LINE

11) GENERAL

- ELECTRICAL PANEL FOR TANKAGE SHALL BE LOCATED OUTSIDE OF SUBJECT BUILDING NEAREST THE TANKAGE AS RECOMMENDED BY WATERLOO.
- SNOW STORAGE SHALL NOT BE PLACED OVER THE SEWAGE SYSTEM COMPONENTS THE SEWAGE SYSTEM HAS NOT BEEN DESIGNED TO SUPPORT TRAFFIC LOADING, AND AS SUCH, THE RISK OF ANY VEHICULAR TRAFFIC SHOULD BE MINIMIZED WITH THE INSTALLATION OF PROTECTIVE BOLLARDS.
- THE BACKFILLING OF THE SEWAGE SYSTEM SHOULD MINIMIZE THE RISK OF OVER COMPACTION WITH THE USE RUBBER TRACKED EQUIPMENT AND BY AVOIDING THE CREATION OF ANY CONSTRUCTION ROLITES OR PATHWAYS OVER THE SYSTEM THE BACKWASH WATERS FROM ANY WATER TREATMENT UNIT, SUCH AS WATER SOFTENER, SHOULD NOT DISCHARGE INTO TH SEWAGE SYSTEM.
- THE SEWAGE SYSTEM HAS BEEN DESIGNED TO ACCEPT ONLY WATER FROM DOMESTIC TYPE FIXTURES NO FLOOR DRAINS WASHWATER, ETC ARE TO BE DIRECTED TO SYSTEM.
- CONTRACTOR SHALL BE QUALIFIED AND REGISTERED UNDER PART 8 OF THE ONTARIO BUILDING CODE. ALL WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH THE LATEST BY-LAWS. CODES AND REGULATIONS
- CONTRACTOR SHALL REVIEW DRAWINGS IN DETAIL AND SHALL INFORM THE CONSULTANT OF ANY ERRORS AND/OR OMISSIONS ON DESIGN DRAWINGS IMMEDIATELY.
- CONTRACTOR SHALL BE RESPONSIBLE TO LOCATE AND PROTECT ALL EXISTING UNDERGROUND SERVICES. CONTRACTOR SHALL VISIT THE SITE AND REVIEW ALL DOCUMENTATION TO BECOME FAMILIAR WITH THE SITE AND SUBSURFACE
- SOIL CONDITIONS TO DETERMINE SUITABLE METHODS OF CONSTRUCTION. THE FIRM OF PATERSON GROUP INC. HAS PROVIDED DESIGN SERVICES ONLY FOR THE SUBJECT SEWAGE SYSTEM. THE DESIGN
- HAS BEEN CARRIED OUT IN ACCORDANCE WITH THE MANUFACTURER'S GUIDELINES AND OUR INTERPRETATION OF PART 8 OF THE ONTARIO BUILDING CODE. IF THIS FIRM IS TO COMPLETE ANY CONSTRUCTION INSPECTION(S), ADDITIONAL FEES MAY BE APPLIED. CONFIRMATION OF
- PAYMENT WILL BE REQUIRED PRIOR TO THE INSPECTION. THE TEST HOLE INFORMATION PROVIDED, IS INTENDED TO BE USED FOR DESIGN PURPOSES ONLY, AND SHOULD NOT BE RELIE
- UPON FOR CONSTRUCTION PURPOSES. JE DISCREPANCIES ARE FOUND DURING THE CONSTRUCTION PROCESS. IT IS THE CLIENT ESPONSIBILITY TO CONTACT THIS FIRM TO MAKE ANY NECESSARY COMMENTS OR REVISIONS. ADDITIONAL REVISIONS ARE NO CONSIDERED PART OF THE DESIGN WORKS AND WILL BE CONSIDERED AS AN ADDITIONAL COST
- REFER TO PATERSON GROUP DRAWING No. PH4600-1(rev.1) FOR THE SEWAGE SYSTEM LAYOUT

Drawing SEWAGE SYSTEM **DETAIL & NOTES** Scale Drawn by: NTS HV Date: Checked by: 10/2022 MK Drawing No.: PH4600-2(rev.1) p:\autocad drawings\hydrogeology\ph46xx\ph4600 - premier bus lines inc. - 135 cardevco road\ph4600-2(rev.1).dwg

135 CARDEVCO ROAD **OTTAWA (CARP), ONTARIO**

PROPOSED ADDITION TO COMMERCIAL BUILDING

Project:

PREMIER BUS LINES INC.

Client:



9 AURIG K2E 7 TEL: (613) 226-7

Consultant:

14/10/22	Issued for Septic Permit	1
26/09/22	Issued for Preliminary Review	0
DD/MM/YY	DESCRIPTION	REV.

AREA HAS BEEN ALTERED FROM THE ORIGINAL GRADE TO SUPPORT THE INSTALLATION OF THE EXISTING