

October 24, 2022

Project No. 2202-001 Page 1 of 2

Weston Consulting 201 Millway Avenue #19, Concord ON, L4K 5K8

Attention: Mr. Kaveh Wahdat - Planner

Re: Hydrogeological Assessment 3016-3032 Kirwin Avenue & 3031 Little John Lane Mississauga, Ontario

Dear Sir:

Azure Group Inc. (Azure) was retained by Weston Consulting (The Client) to conduct a Hydrogeological Assessment at the property located at 3016-3032 Kirwin Avenue & 3031 Little John Lane in Mississauga, Ontario (The Subject Property). Azure thereby retained in partnership Azimuth Environmental Consulting, Inc. (Azimuth) to complete the Hydrogeological Assessment. As indicated in the completed report, the purpose of the Hydrogeological Assessment was to characterize the existing hydrogeological conditions at and in the vicinity of the Site, assess the need for, and options for, groundwater control in association with the proposed construction, evaluate potential impacts to the local groundwater regime resulting from the proposed construction, and identify appropriate mitigative measures, as warranted.

At the time of the site visit(s), the Site was vacant land covered with bushes, shrubs and trees. Vehicular access to the Site was from a gravel paved driveway off of Kirwin Avenue and Little John Lane, located on the northern and southern boundaries of the property. The Site had a total area of approximately 6,609 m<sup>2</sup> (1.6 acres). Azure retained Altech Drilling & Investigative Services Ltd., Ontario to complete the drilling program and Azure's representatives were on-site from April 6th, 2022 to April 8th, 2022 to conduct the field work. The scope of work consisted of the drilling of ten (10) boreholes (BH1 to BH10) to a maximum depth of approximately 9.0 metres (m) below grade or until refusal. Boreholes BH1, BH2, BH3, BH101 and BH106 were completed as groundwater monitoring wells. Representative soil samples were retrieved from each borehole and submitted for analyses of moisture content and grain size analysis. All figures showing the approximate location of the boreholes are included in the following report completed by Azimuth.



#### CLOSURE

This report has been prepared for the benefit of Weston Consulting (The Client), and their clients.

Any other person or entity without the express written consent of Azure Group Inc. (Azure) and the client may not rely upon the report. Any use that a party makes of this report, or any reliance on decisions made based on it, are the responsibility of such parties. Azure accepts no liability and no responsibility whatsoever for damages, if any, suffered by any party as a result of decisions made or actions based on this report.

An environmental site characterization is a limited sampling of a site. The conclusions given herein are based on information gathered at the specific locations and can only be extrapolated to an undefined limited area around these locations. The extent of the limited area depends on the soil and groundwater conditions, as well as the history of the subject property reflecting natural, construction, and other activities. In addition, analyses have been carried out for a limited number of chemical parameters, and it should not be inferred that other chemical species are not present.

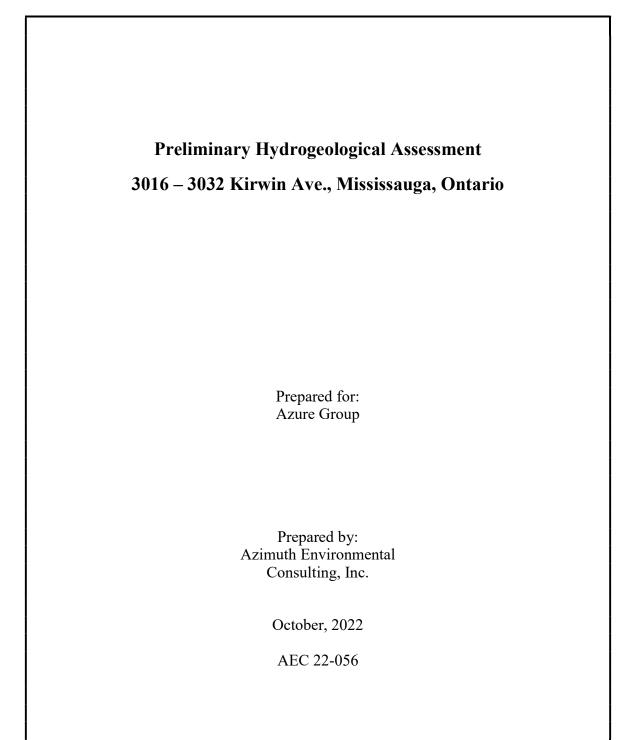
Due to the nature of the investigation and the limited data available, Azure cannot warrant against undiscovered environmental liabilities. No other warranty or representation, either expressed or implied, is included or intended in this report. Should any conditions at the site be encountered, which differ from those at the sampling locations and/or additional site information become available, Azure requests that this information be brought to our attention so that we may re-assess the conclusions presented herein. It should also be noted that current environmental Regulations, Guidelines, Policies, Standards, Protocols and Objectives are subject to change, and such changes, when put into effect, could alter the conclusions and recommendations noted throughout this report.

We trust this is satisfactory. Should any queries arise, please feel free to contact this office.

Yours truly,

#### AZURE GROUP INC.







**Environmental Assessments & Approvals** 

October 24, 2022

AEC 22-056

Azure Group 6751 Professional Court, Suite 201 Mississauga, Ontario L4V 1Y3 Attention: Samantha Desgrosseilliers

#### Re: Preliminary Hydrogeological Assessment: 3016 – 3032 Kirwin Ave., Mississauga, Ontario

Dear Samantha,

Azimuth Environmental Consulting, Inc. (Azimuth) is pleased to provide our Preliminary Hydrogeological Assessment for the property 3016 - 3032 Kirwin Ave., within the City of Mississauga (the "Site"). This evaluation focused on the existing soil and ground water regime underlying the Site and the potential for the proposed eight (8) story residential building and associated parking development to impact the existing conditions.

Should you have any questions or wish to discuss the report in greater detail, please do not hesitate to contact the undersigned.

Yours truly,

AZIMUTH ENVIRONMENTAL CONSULTING, INC

Brendan MacNaughton, B.Sc (Hons), EP. Environmental Scientist



Colin Ross, B.Sc, P.Geo. Senior Hydrogeologist

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#### **1.0 INTRODUCTION**

Azimuth Environmental Consulting Inc. (Azimuth) has been retained by the Azure Group to conduct a Preliminary Hydrogeological Assessment for the property 3016-3032 Kirwin Avenue within the City of Mississauga (the "Site") (Figure 1).

The purpose of this assessment is to characterize the existing hydrogeological conditions at the Site, and determine any potential constraints to the proposed development plan. This assessment also addresses Source Water Protection policies developed under the *Clean Water Act* as they pertain to water quantity and quality issues.

#### 1.1 Background

The Site is rectangular in shape,  $6,385 \text{ m}^2$  (0.6 hectares (ha)) in size and is to be redeveloped as an 8 storey residential building with Underground parking. The Site is located on the south side of Kirwin Avenue; a small cleared area remains from the historical residential dwellings at the Site along the east of the site. As per the proposed development plans provided, the development will be accessed from Kirwin Avenue and will include two (2) below grade parking levels extending approximately 7 m below grade. The proposed Site development plans are provided in Appendix B.

The purpose of this assessment is to characterize the existing physical geological and hydrogeological conditions at the Site and the potential for the proposed development to impact the existing environmental / hydrogeological conditions. The report follows a standard format addressing typical requirements of both the City of Mississauga and Credit Valley Conservation Authority for hydrogeological submissions within the Credit Valley source water protection zone.

#### 2.0 ENVIRONMENTAL SETTING

#### 2.1 Soil

The Soil Map of Peel County (Report No. 18) (Hoffman, et al., 1953) defines the surficial soil for the Site as part of the Cooksville Series; however the Site sits just north of the divide between the Fox Series which uses the location of Dundas Street in the 1950's as the divide. Based on the mapping, the region is also crosscut with Alluvial fans (Alluvial Series) spreading north from the Lake Ontario shoreline. For the purposes of this investigation we will assume that the location of Dundas Road has not significantly moved and the Site sits within the Cooksville Series. The Cooksville Series is described as shallow or very shallow surficial dark grey clay laden loams overtop of shallow grey shale. Cooksville clay Loams are classified within Soil Group D. Group D soils represent material with very high runoff potential and restricted to highly restrictive



infiltration rates. Of note Soils within Group D can have high shrink/swell potentials. This soils description is line with the physical investigation done onsite.

#### 2.2 Physiography

The Ontario Geologic Survey (Chapman and Putnam 1984) describes the Site area as being located within the Iroquois Plain physiographic region. This region extends from the Trent River approximately 300 km to the Niagara River. The Iroquois Plain is subdivided into 8 regions; the Subject Site sits within the Hamilton to Toronto region, a thin region defined by the current and ancient shoreline of Lake Iroquois. This section is represented by multiple sand and gravel alluvial outwash sections and the flat, smoothed historic fine grained bedding of Lake Iroquois.

#### 2.3 Topography and Drainage

The topographic relief at the Site is quite limited with elevations ranging from approximately 113 masl in the north along Kirwin Avenue to a low of 110 masl in the south west along Little John Lane. The current Site drainage is expected to follow the local topographic dip to the southwest towards Cooksville Creek, located approximately 70 m west of the Site, although any surface runoff exiting the Site is expected to be captured by the municipal drainage system in the area. Run on to the Site is not expected from the surrounding developments based on the topographic setting and curb and gutters present along the upslope side of the Site.

#### 2.4 Bedrock Geology

The underlying bedrock geology has been described by the Ontario Geologic Survey (OGS) as being composed of grey calcareous shale of the Georgian Bay Formation of (Ontario Geologic Survey , 2011). The formation is Upper Ordovician in age. Based on the thickness mapping surrounding the site the Site, bedrock can be expected somewhere between 3 and 8 mbgs (Gao, et al., 2006), which is in agreement with the results of the boreholes advanced on Site. Shallow bedrock was identified in BH1, 2 and 3, all having weathered shale identified within the soil samples in the lower section of each log.

#### 2.5 Quaternary Geology

The Quaternary Soil Map of Ontario (Onatrio Geological Survey, 2003) defines the local surficial soils in the vicinity of the Site as Paleozoic in age comprised of undifferentiated carbonate and clastic sedimentary rock, which is exposed at surface or covered by a discontinuous, thin layer of drift. This area also borders on an area characterized as the Halton Till, which consists predominantly of a silt to silty clay matrix. The Halton Till is texturally variable but is generally a sandy silt to clayey silt till interbedded with silt, clay, sand and gravel. In some areas it is very clay-rich where the Ontario Ice Lobe has



overridden glaciolacustrine deposits of the Lake Ontario basin. The Halton Till is typically 3 to 6 m thick but locally it can exceed 15 to 30 m in thickness in the western part of the study area.

Based on the Site specific soils data provided by the Azure Group subsurface investigation the Site is underlain by a thin topsoil layer (10 cm) overtop of a fill mixture consisting of sand, silt and clay of different compositional percentages to a depth of around 3.5 mbgs. Below this level the boreholes intersect a native Silty-Clay layer to the upper contact of the underlain Weathered Shale bedrock which was encountered in five (5) of the advanced boreholes below 7 mbgs, all of the boreholes all indicate a content of weathered Shale fragments below ~6.5 mbgs. The inclusion of the fragments indicate that the bedrock interface is very close to this depth, which is in agreement with both afore mentioned mapped Quaternary description and the drift thickness mapping results. Based on the observed Site soils, it is likely these material represent Halton Till.

For reference, the borehole locations are illustrated on Figure 2, while the borehole logs are provided in Appendix C.

#### 2.6 Hydrogeology

The Ontario Ministry of Environment, Conservation, and Parks (MECP) Water Well Records were referenced for any recorded well information within the vicinity of the Site (500 m) (MECP, 2021). The Site and surrounding area is likely to be serviced with water and sewer utilities; however well records can be used to gain subsurface information which can provide insight into shallow geological formation within the area. The well records found in the vicinity of the Site that are pertinent to this assessment are summarized in Table 1 and are shown on Figure 3. The thirty-six (36) surrounding wells in the MECP well record database indicate that one (1) was a decommission record, one was completed in 1952 and is the only record of a potable water supply well (No. 4902211). The remaining thirty-four (34) well records were for advanced as test holes in the area. The wells were drilled to depths between 3 and 15 m. Nine of the well records were not available online. The remaining records have been included in Appendix C. The well records indicate that the grey /blue shale bedrock surface is quite limited, between 2 and 5 mbgs in fourteen of the well records. The overburden soils identified in these records were primarily clay and silt with some sand and or gravel, which matches the geological literature outlined above, as well as the Site specific soils identified the drilling program. Given the age of the wells and the fact the area has been municipally serviced for many years, it is unlikely that the supply well is still in use.



Depth to Date Depth **Distance to** Direction Well ID Completed (m) Bedrock (m) Site (m) to Site 4902211 1958-11-12 15.5 5.2 201 Ν 4909841 2005-06-30 7.6 7.6 201 NNE 7107988 2008-06-02 6.1 215 SW 7140001 2010-01-20 6.7 6.1 233 Е 7144432 2010-03-22 3.7 201 Е NE 7145320 2010-04-28 4.8 2.5 467 7148379 262 NW 2010-06-21 3.1 7148380 3.4 260 NW 2010-06-21 7148381 2010-06-21 0 415 NW 7196498 2012-10-09 7.6 115 SW 7202168 2012-11-20 6.09 200 SE 7210777 2013-10-11 5.5 60 S 2013-10-11 S 7210806 61 4.9 7210807 2013-10-11 4.7 62 S 7263541 4.3 260 W 2016-04-11 5.2 7263542 3.7 W 2016-04-11 5.2 265 7263543 2016-04-11 5.2 4.3 280 W 7263544 2016-04-24 1.4 285 W 7277547 2016-11-18 3 290 W 7277548 2016-11-17 3 3.0 430 SW 5.3 2.5 360 NW 7278591 2016-11-25 7296547 2017-09-12 4 425 SSW 7296548 4 430 SSW 2017-09-12 7296549 2017-09-12 420 SSW 4.3 3.0 0 7306688 2017-09-13 7.6 Onsite 7330071 2018-12-17 4 445 S 7332231 2019-04-08 4.5 2.1 350 NW 7345861 2019-07-03 3.7 326 NW 7345862 325 2019-07-03 3.7 NW 7358771 2020-04-24 0 410 SW 400 7358772 2020-04-24 0 SW 0 400 SSW 7358773 2020-04-24 7361501 2020-03-12 0 351 NW 7378766 2020-12-09 0 Onsite 6.7 4.6 7378767 2020-12-09 6.7 4.6 0 Onsite 7378768 2020-12-09 6.7 4.6 0 Onsite



### **3.0 SOURCE WATER PROTECTION**

A review of the Source Water Protection Areas as identified on the MECP Source Protection Information Atlas website indicates the Site is contained within South Peel Drinking Water Intake Protection Zone (IPZ) 2, as well as within a Highly Vulnerable Aquifer Area (HVA). However, it is not within a Significant Ground Water Recharge Area (SGRA), Wellhead Protection Area (WHPA-D), WHPA-Q2, Issues Contributing Area (ICA). Given the IPZ, consideration may need to be given for stormwater control measures at the Site.

#### 4.0 MONITORING

#### 4.1 **Previous Site Investigations**

Azure Group Inc. completed a geotechnical drilling program at the Site in 2022 and it is also understood that a previous Phase II Environmental Site Assessment (ESA) as completed which included drilling and installation of monitoring wells on Site. These reports were not available at the time of report issuance: however, the borehole logs for the current monitoring wells on Site were provided and utilized in this assessment. The details of which are summarized in subsequent sections.

#### 4.1.1 Site Drilling & Monitoring Well Installations

A drilling program was undertaken by Azure as part of the above mentioned geotechnical between April 1<sup>st</sup> and April 8<sup>th</sup> 2022. Ten (10) boreholes were advanced across the site, three (3) were then completed as ground water monitoring wells for the Site as illustrated on Figure 4, with borehole logs and a location plan included in Appendix D. It is noted that a collection of 3 additional historic wells are present at the Site from an Azure site investigation in December 2020 as well as two (2) additional wells, the history and construction details are not known, these are assumed to be related to the wells installed in 2017 (Appendix C record number 7306688). The onsite wells are summarized Table 2 below.

#### 4.2 Ground Water Level Monitoring

As part of assessment, ground water levels were monitored on the May 11<sup>th</sup> 2022 by Azimuth staff. The ground water measurements have been included within Table 2 below and used to create Figure 4 with the inferred groundwater flow direction.

Currently the base of the underground parking level has been established at 6.7 mbgs such that the building foundation will encroach into the water table by up to  $\sim$ 1.5 m. As such, these seasonally high ground water elevations need to be considered in the building design such that proper waterproofing is being incorporated within the basement level.



The inferred ground water flow direction is illustrated on Figure 4, which shows a south flow pattern, which matches the direction of a buried section of the Cooksville Creek.

					Ground Wa	ter Elevatio	n Table					
Azimuth Project Number		22-056										
	Project Site		Kirwin Ave									
Town/Region			Missi	Mississauga, Peel								
			GPS	(Zone 17)								
Well ID	Easting	Northing	Elevation (MRD)	Stick Up	Elevation of Screen Bottom (mASL)	Elevation of Screen Top (mASL)	Date	Depth to Water (mBTOP)	Depth to Bottom (mBTOP)	Depth to Water (mBGS)	Depth to Bottom (mBGS)	Groundwate Elevation (mASL)
BH1	612103	4826454	113.31	0.85	106.69	109.74	05-11-2022	5.06	7.47	4.21	6.62	109.10
BH2	612080	4826562	112.56	0.65	104.97	108.02	05-11-2022	5.94	8.24	5.29	7.59	107.27
BH3	612091	4826465	113.31	1.10	106.68	109.73	05-11-2022	5.36	7.73	4.26	6.63	109.05
BH101	612090	4826483	113.39	1.04	107.11	110.16	05-11-2022	5.75	7.32	4.71	6.28	108.68
BH106	612033	4826412	110.78	0.92	105.28	108.33	05-11-2022	3.87	6.42	2.95	5.50	107.83
Unknown 1*	612108	4826460	113.0*	0.79	105.34	108.39	05-11-2022	4.96	8.45	4.17	7.66	108.83
Unknown 2*	612101	4826439	112.5*	0.68	104.97	108.02	05-11-2022	4.75	8.21	4.07	7.53	108.43
Elevations are in metr	n hand held device an res above sea level (m. igin on site close to lo	ASL) Provided by Azur	e	tion was surve	eyed							

Table 2:Ground Water Elevation Data

#### 4.3 Hydraulic Conductivity Testing

In order to understand the hydraulic characteristics of the underlying overburden, transient hydraulic tests were performed on the Site monitoring wells following the 2022 drilling program. The transient test involves the instantaneous injection or withdrawal of a volume or slug of water or solid cylinder of known volume. This is accomplished by adding or displacing a known volume to/from a well and measuring water level response time to return to equilibrium. Water level measurements were recorded both manually and with automatic dataloggers, which were programmed to record the pressure of water above the data logger every second. Data was analyzed using the Hvorslev Method (1976) for unconfined aquifers, which assumes a homogeneous, isotropic medium in which soil and water are incompressible. Hydraulic testing results are summarized in Table 3 (below).

The soil transmissivity for the Site is varied by an order of magnitude. Based on the local geology reported from both the borehole logs and from the surrounding water well records this is what was expected. The result of the slug test is included in Appendix E. The measured hydraulic conductivity is within the published range for a silty clay material (Freeze & Cherry, 1979).



Table J.	ilyuraulic re	sting Results					
		Hydraulio	Test Results				
Azimuth Pr	oject Number		22-056				
Proje	ect Site		Kirwin Avenue				
Town	n/Region		Mississauga, Peel Regio	n			
		Screen		Hydraulic			
Well	Test Date	Interval	Screen Material	Conductivity			
		(MRD)		(m/sec)			
BH/MW106	2022-04-08	108.3-105.2	Clay/Silt	5.56E-09			
BH/MW2	2022-04-08	108.2-104.9	Clay/Silt	2.28E-08			
Site Average				1.42E-08			
Site Max				2.28E-08			

Table 3:Hydraulic Testing Results

#### 4.4 Water Quality

A water quality sample was taken from one onsite well location to provide some insight to the requirements of dewatering water treatments. The results of which are included in Appendix F. The results are compared to the Provincial Water Quality Standards as the discharge point is unknown at this time; the City of Mississauga has both storm and sanitary sewers in the area, as well as a watercourse to the south (Cooksville Creek). The PWQO Standards were chosen as they are more stringent than that of the sewer bylaw standards. Of the tested parameters Total Phosphorous exceeded the PWQO standard. The total phosphorus concentrations are significantly elevated, but this along with the metal constituents are interpreted to be sourced from the elevated sediment load in the sample; this is evidenced by the elevated turbidity at these locations (181 NTU). The nutrient analysis was completed on water that was unfiltered, and therefore contained high concentration of sediment particles. The increased phosphorus is therefore likely attributed to the excess nutrients that are bound to the sediment grains in suspension and dissolved within the acidified nutrients bottle. As such, discharge of any potential dewatering effluent into storm sewer or natural environment would not likely represent any impact assuming proper sediment controls are in place for any dewatering discharge. To confirm the effluent discharge into the storm sewer system, a secondary sample meeting all of the requirements of The City By-Law would need to be collected, which can be confirmed ahead of any potential construction dewatering.

#### 5.0 WATER BALANCE

In order to determine the potential changes to the natural ground water recharge conditions, a pre- and post-development water balance assessment has been completed using the Thornthwaite and Mather method (1957). This method evaluates evapotranspiration based on precipitation and temperature. Residual soil saturation is a function of topography and soil type. Monthly data are tabulated from daily average



temperature and precipitation, and the water budget is a continuous calculation over the period of record. To clarify, the method and the approach used by many individuals in examining infiltration resets annual conditions (moisture deficit, snow storage, etc) over the winter months because of the general lack of infiltration during the frost period. However, we maintain those records and carry them forward from month to month during the entire period of record.

Values were determined on a monthly basis, compiled from daily Environment Canada meteorological data station located in Toronto Leaster B. Pearson International Airport (Station 6158733), Ontario between 1950 and 2021. The calculations are based on the average conditions during this period; the average precipitation was 779 mm, rainfall was 632 mm, evapotranspiration was 490 mm and the surplus was 289 mm.

#### 5.1 Land Use

5.1.1 Pre-Development

The pre-development Site area was classified according to land use/vegetation type. Approximate pre-development land use classification areas are provided in Table 4.

Table 4:Pre-Development Area Classification

Land Use	Land Area (m <sup>2</sup> )
Forest	4,300
Landscaped Grass	2,085
TOTAL	6,385

Land within the pre-development scenario is considered 0% impervious

#### 5.1.2 Post-Development

The land classification in the post-development scenario was classified based on the Site Development Plans (Appendix B). Post-development land use classification areas are provided in Table 5:

 Table 5:
 Post-Development Area Classification

Land Use	Land Area (m <sup>2</sup> )
Impervious(building/driveway)	3,433
Pervious (landscaped/undeveloped)	502
Parkland Dedication	2,450
TOTAL	6,385

Land within the post-development scenario is considered 54% impervious. The post-development areas are illustrated in Appendix B.



It is noted that impervious areas included landscaped areas atop the below grade parking structure and any infiltration in these areas will likely be required to be drained to sewer or discharged to surface via a sump pump such that no infiltration would be expected.

#### 5.2 Infiltration

Infiltration is generated one of two ways: (1) directly from rainfall impact or snowmelt on pervious surfaces; and (2) indirectly when runoff from impervious surfaces is diverted into adjacent naturalized areas.

Infiltration factors for the Site were estimated based on the underlying soil, local topography, and ground cover as per Table 2 of the Ministry of Environment and Energy (MOEE) Hydrogeological Technical Information Requirements for Land Development Applications (1995).

The soil variable factor was determined by taking into account information obtained from the regional geologic mapping and the field work programs completed for the Site. This information suggests that the surficial material at the Site is primarily composed of a silty clay. The infiltration factors utilized in the water balance assessment are summarized in Table 6 below.

Table 0. Summary 011 cr vious Land ministration 1 actor					
Scenario	Land Use	Infiltration	Assumption		
		Factor			
Pre-Development	Landscaped	0.4	Flat Land (0.2), Clay/silt (0.1),		
	Grass	0.4	Maintained Grass Cover (0.1)		
	Forest	0.5	Flat Land (0.2), Clay/silt (0.1),		
		0.5	Woodland cover (0.2)		
Post-Development	Landscaped	0.4	Flat Land (0.2), Clay/silt (0.1),		
	Grass	0.4	Maintained Grasses (0.1)		
	Dedicated	0.5	Flat Land (0.2), Clay/Silt (0.1),		
	Parkland	0.5	Woodland $\operatorname{Cover}^1(0.2)$		

 Table 6:
 Summary of Pervious Land Infiltration Factor

1- Dedicated Parkland surficial cover is assumed to be a mix of treed space to match the John C. Price Parklkand existing adjacent to the dedication lands.

#### 5.2.1 Pre-Development Infiltration

Pre-development direct infiltration was determined by multiplying the annual average surplus amount, the area of each land use, and the infiltration factor for each land use. The pre-development annual infiltration is therefore 862 m<sup>3</sup>/year (Appendix D).



#### 5.2.2 Post-Development Infiltration

Post-development infiltration (without mitigation) was determined by multiplying the annual average surplus amount, the area of each land use, and the infiltration factor for each land use. The post-development annual direct infiltration is therefore 412 m<sup>3</sup>/year. There is therefore a decrease in infiltration of 450 m<sup>3</sup>/year from pre- to post-development without mitigation measures employed.

#### 5.3 Water Balance Summary

Using the climate model data and calculations mentioned above, the water balance was completed for pre-development and post-development without mitigation (Appendix D) as no stormwater drainage plans were available at the time of reporting.

The pre-development infiltration volume is 862 m<sup>3</sup>/year. This assumes the Site is vacant as it sits today. The post-development without mitigation infiltration volume is  $412 \text{ m}^3$ /year, which is a deficit of 450 m<sup>3</sup>/year. This is based on the proposed development as described in Section 1.0 of this report and illustrated in Appendix B (Site Development Plans).

#### 6.0 DEWATERING ASSESSMENT

As noted above, the proposed development and associated underground parking and servicing, have been shown to be positioned below the water table. In this area, ground water elevations are represented by the installed monitoring wells. Based on the monitoring completed on the wells, the high ground table sits at 109.10 mASL, and the estimated base of the two (2) level underground parking slab proposed to be at 6.7 mbgs (107.45 mASL). Given these elevations place the foundation approximately 3.6 m into the water table (approximately 2m below the slab), for a dry working area at the base of the excavation, a construction dewatering plan will be needed.

Since the required drawdown is greater than 1.5 m, the use of shallow well points or educator systems may be required. The exact dewatering methodology will depend on site-specific conditions and will be determined by the dewatering contractor.

Dewatering discharge is assumed to be handled on-site with discharge ultimately being into either the municipal stormwater or sanitary infrastructure assumed to run along Kirwin Avenue.

#### 6.1 Drawdown Conditions

The details utilized for this assessment are derived from the KEA design drawings (Appendix B). These details including location, width, length and base elevations for the



proposed building were utilized to determine the maximum drawdown required for construction in relation to the water table conditions for the Site as illustrated in Figure 4 appended.

Although the water table contouring illustrated on Figure 4 shows a decline to the south, for the purposes of the dewatering assessment, it has been assumed a high water table elevation of 109.10 mASL (BH/MW1) extends across the entire site area. In reality, there is a likely decline as illustrated in the contours toward the southeast which could limit the drawdown requirements for the south section of the excavation; however, this conservancy is utilized to address the limited ground water elevation points in this area as monitoring well coverage is limited on the Site. Regardless, based on the measured high ground water table (109.10 mASL) and the excavation base elevations (105.45), ground water lowering during construction will be approximately 3.6 m. This is based on the following assumptions:

- Construction ground water lowering will target a depth of 2 m below the base of the P2 slab to ensure dry working conditions within the utility trenching needed below the slab and footings;
- To be conservative, the hydraulic conductivity value referenced (2.28 x 10<sup>-7</sup> m/sec) in this assessment has been increased from the high-end estimate of the overburden aquifer single well response testing (SWRT) included in Appendix G a order of magnitude. This was done to account for potential higher permeable horizons than what was tested;
- The most elevated ground water elevation / depth of ground water was assumed to apply to the area; and
- The entire proposed building is assumed to be constructed as single dewatering undertaking installed at one time. If the dewatering was done in sections, then the volumes and Zone of Influence would be reduced;

The actual drawdown will depend on construction timing.

#### 6.2 Approximate Dewatering Volumes

For the dewatering a rectangular configuration where the relationship of length/width is greater than 1.5, calculations for the dewatering rate / volume were completed using the steady state method from Powers, *et al.* (1992) for estimating radial flow to an excavation in an unconfined aquifer.



#### The following equation was used:

 $Q = \frac{\pi K(H^2 - h^2)}{\ln(\frac{R_o}{R_s})} + 2(\frac{LK(H^2 - h^2)}{2L})$ Based on Equation 6.12 in systems where I/w> 1.5 (Powers, P.E., 1992) Where: Q (m<sup>3</sup>/Day) K - Hydraulic Conductivity (m/Day) H – Distance from Static water level to bottom of Aquifer (m) h – lowest water level needed from static (m) R<sub>o</sub>- Radius of conical depression (m) (Taken from Equation 6.14(Powers, P.E., 1992)) Ro = 3(H - h)\sqrt{k}
Where K- Hydraulic Conductivity (m/Sec) R<sub>s</sub> – Equivalent Radius (m) I - Length of excavation/trench w- width of trench in systems where I/w> 1.5

The full dewatering assessment can be found in Appendix G

Based on the information provided, the dewatering required for construction is 27,720 L/day. A 3x safety factor can then be applied to each of the above volumes for a conservative estimate (83,160 L/day). These values are based on worst case spring season ground high ground water table depths. The dewatering volume could be lower during the summer and fall months.

Any construction dewatering between 50,000 L/day and 400,000 L/day can be completed after registration under the Environmental Activity and Sector Registry (EASR). Any active construction dewatering above 400,000 L/day requires a Permit To Take Water (PTTW). As noted above, the magnitude of dewatering required will vary on the timing of construction and less dewatering could be needed in the summer drought conditions. Peak ground water elevation typically occurs between mid April and the end of May. Based on the calculations, it is likely that construction dewatering would be above the 50,000 L/day but below the threshold of 400,000 L for a PTTW, as such an EASR will be required. Potential dewatering requirements can be minimized if work is completed during the drier summer months.

Not included in the calculations above is the influx of stormwater from single 24 hour storm events. These numbers are estimated based on the Ministry of Transportation (Ministry) Intensity Duration Frequency (IDF) curves. Using the numbers provided by the Ministry, if the Site experiences a five (5) year storm event (56 mm across 24 hours) during the excavation an additional 289 m<sup>3</sup> (219,000 L) into the excavation, in this event, pumping could continue under the registered EASR. Any of the larger less frequent (10



yr, 25 yr, 100 yr) storm events would require a staged approach where the excavation could be pumped at the 400,000 L/day over two (2) days to facilitate the removal of the storm water without exceeding the threshold of requiring a PTTW registration.

#### 6.3 Post Construction Dewatering

It is our understanding that although the finished floor elevation of the building foundation encroaches into the water table by approximately 1.6 m, the planned waterproofing of the foundation will limit potential concerns with respect to the ground water at the Site with regards to permanent dewatering of the Site.

However, if the foundation is not waterproofed and the same assumptions as above are used, substituting the final floor elevation would be utilized for the dewatering depth (107.45 mASL) establishing a dewatering requirement of approximately 18 m<sup>3</sup>/day. A 3x safety factor can then be applied to the above volumes for a conservative estimate of 54 m<sup>3</sup>/day (54,000 L/day). This volume will make the registration of PTTW required for the permanent dewatering of the foundation.

#### 6.4 Impact Assessment

Based on the information calculated, the largest zone of influence is 60 m from the edge of the dewatering zone; however this is the maximum distance where any measurable water table decline would be observed. However, more significant decline in ground water levels (2 m) will be contained within approximately 57 m of the Site

As the area is municipally serviced, there are not anticipated to be any private wells located within the radius of influence. There is a creek located approximately 70 m south west of the Site; however this is located at the very extent of the zone of influence, and is not expected to be affected by the dewatering process. Further to this if the creek was used as the discharge point, any minimal drawdown would be negated by the discharge.

The site is located within the Intake Protection Zone 2 for the South Peel Drinking Water intake which identifies that the site is within approximately two (2) hours surface water travel time to the point of the intake. This will have to be taken into account when considering the design of the dewatering discharge treatment.

### 7.0 SUMMARY AND CONCLUSIONS

Azimuth was retained by the Azure Group to conduct a Preliminary Hydrogeological Assessment for the property located along Kirwin Avenue inclusive of 3016-3032 within the City of Mississauga. The purpose of this assessment is to characterize the existing preliminary hydrogeological conditions at the Site and the potential for the proposed



development to impact the existing environmental / hydrogeological conditions. The report also addresses many of the CVC and Source Water Protection policy requirements.

The Site is rectangular in shape,  $6,385 \text{ m}^2$  (0.6 hectares (ha)) in size and is to be redeveloped as an 8 storey residential building with underground parking. The Site is located on the south side of Kirwin Avenue; a gravel driveway and small paved area in the south side of the property remain from historical residential dwellings at the Site. As per the proposed development plans, the development will be accessed from Kirwin Avenue and will include two (2) below grade parking levels extending approximately 7 m below grade.

The Site is found at an elevation ranging between approximately 110 masl to 113 masl at with a slight southern slope. The existing Site drains via overland flow towards the existing City of Mississauga infrastructure along Little John Lane. Site native soils are composed of mostly silts and clays.

The inferred ground water flow direction is shown to be in a southern direction, which matches the direction of a buried section of the Cooksville Creek. Water table conditions fluctuated across the area ranging between 2.9 and 5.2 mbgs, this fluctuation is assumed to be based on the elevation of the bedrock in the area, which consists of a shallow weathered shale.

Hydraulic conductivity testing was completed at a number of the Site monitoring wells indicating the hydraulic conductivity of the site is ranging between 5 x  $10^{-9}$  to 2 x $10^{-8}$  m/s.

The pre-development infiltration volume is 862 m<sup>3</sup>/year. This assumes the Site is currently not landscaped and vacant. The post-development without mitigation infiltration volume is 412 m<sup>3</sup>/year, which is a deficit of 450 m<sup>3</sup>/year.

At the time of report issuance, no formal storm water plans were developed, such that it is uncertain as to whether any LID's will be included in the development plan to mitigate any of the ground water infiltration loss. However, given the limited size of the Site and presence of underground parking structure, there will not likely be sufficient area to implement such measures.

The overall deficit is considered large; however, the area is municipally serviced such that there is unlikely any private supply wells in the area, while surface water features are limited to a creek approximately 70 m southeast of the Site. The limited permeability of



the soils would also indicate that the Site likely has little ground water infiltration capacity such that influence on the adjacent creek will not likely be impacted.

The proposed development will include the construction underground car parking with associated underground servicing (water, sewer, storm water). It is assumed that new service connections to Kirwin Avenue will be established as part of the proposed development. Based on the current development plan, dewatering will be required across the entire site due to the underground parking area. The assessment is based on the measured water table depths during the May, 2022 monitoring event; however water table conditions could vary seasonally. However, it is noted that the dewatering volumes are quite low such that even an increase in water table will not have a significant impact on water taking volumes. Consideration needs to be given to the quality of the dewatering discharge, which may require treatment prior to discharge city's storm water network or the local surface water creek. It is assumed that this will require obtaining a discharge permit from the city prior to initiation of any dewatering activities at the Site. Additional water quality samples may be required to confirm dewatering discharge quality.

As per Ontario Regulation 903 requirements, all existing monitoring wells which are no longer utilized at the Site will need to be properly decommissioned as per O.Reg. 903 (Wells Regulation) prior to commencement of building construction.

As the building foundation encroaches well into the water table, the planned waterproofing of the foundation will limit potential concerns with respect to the ground water at the Site. Dewatering will be required to facilitate construction; however, the dewatering assessment would indicate that the radius of influence does not extend to the closest natural feature which is a creek located 60 m south east of the Site. Similarly, the area is municipally serviced for water such that there is no expectation that any private wells exist within the area of influence.



#### **8.0 REFERENCES**

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#### APPENDICES

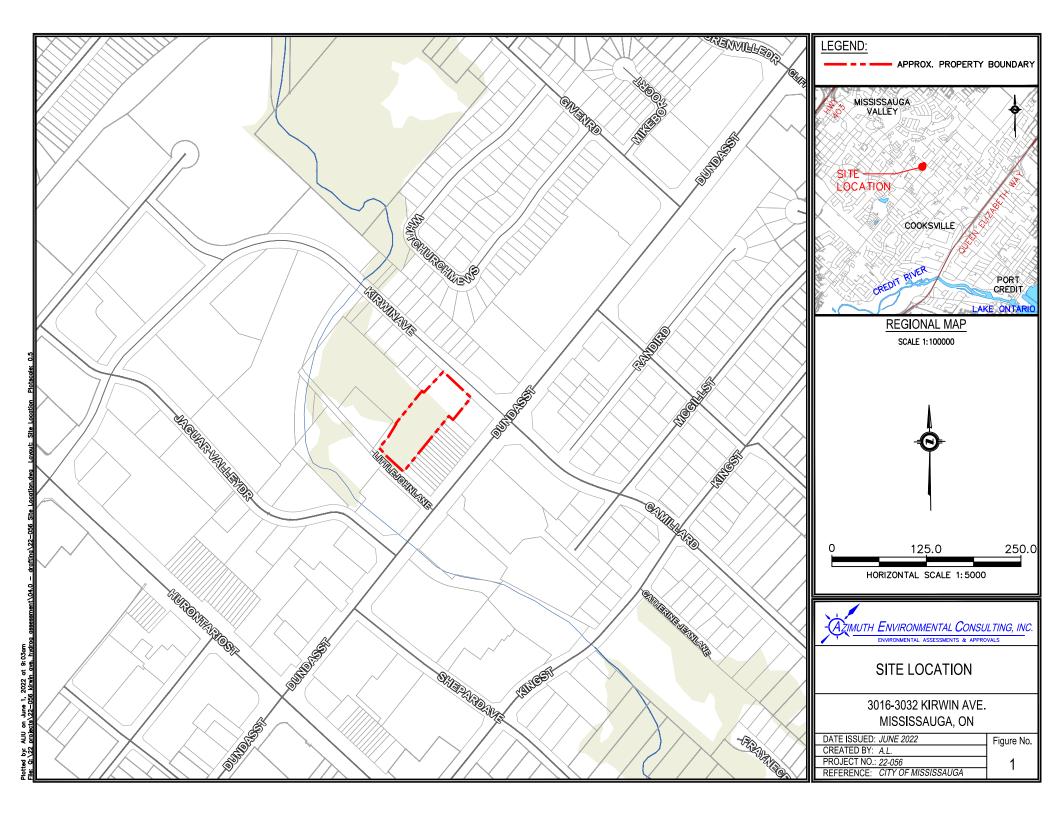
Appendix A:FiguresAppendix B:Proposed Development PlanAppendix C:MECP Well Records & Site Borehole LogsAppendix D:Water Balance Summary TablesAppendix E:Hydraulic Conductivity TestingAppendix F:Water Quality DataAppendix G:Dewatering Calculations



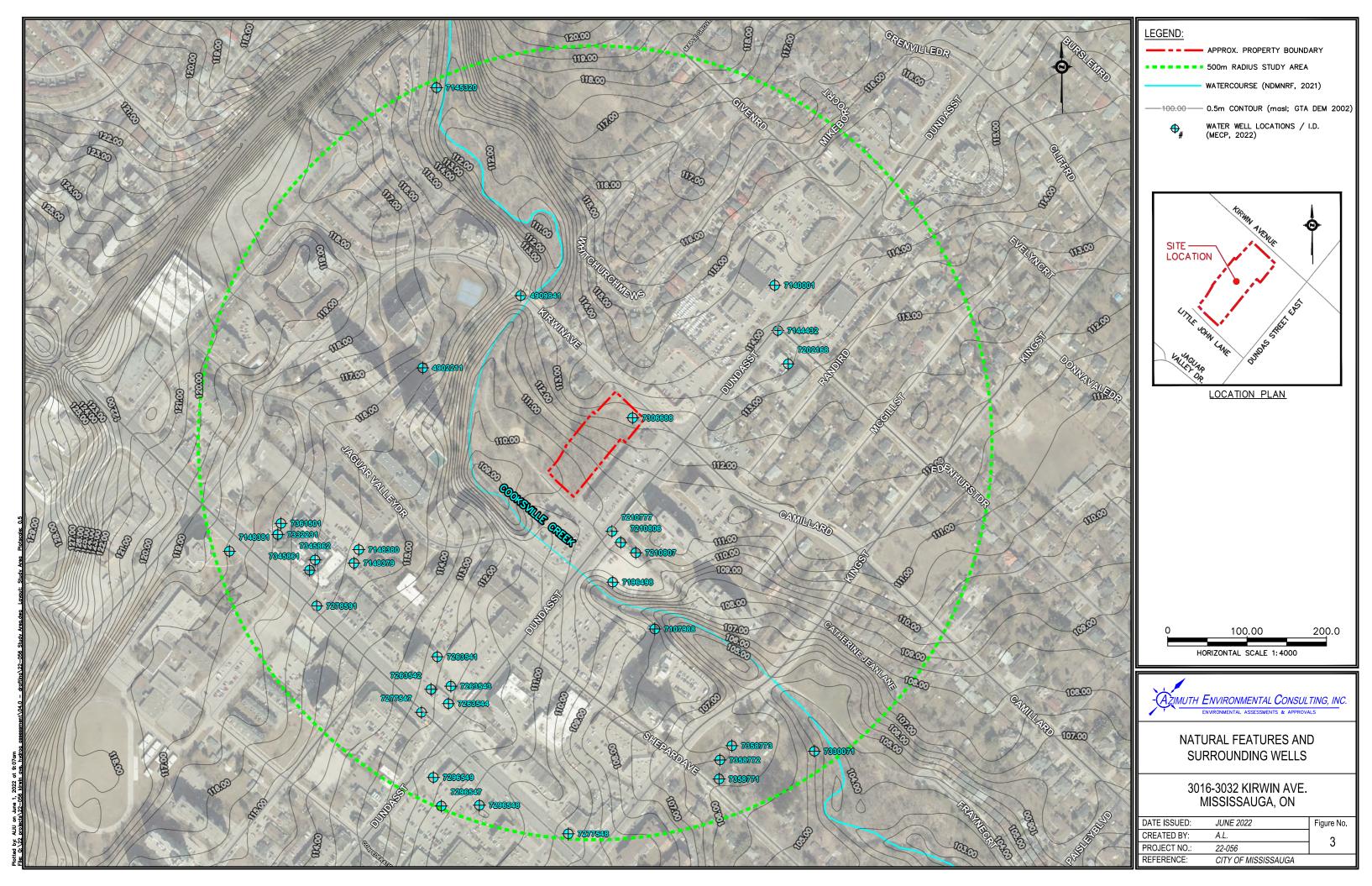
### APPENDIX A

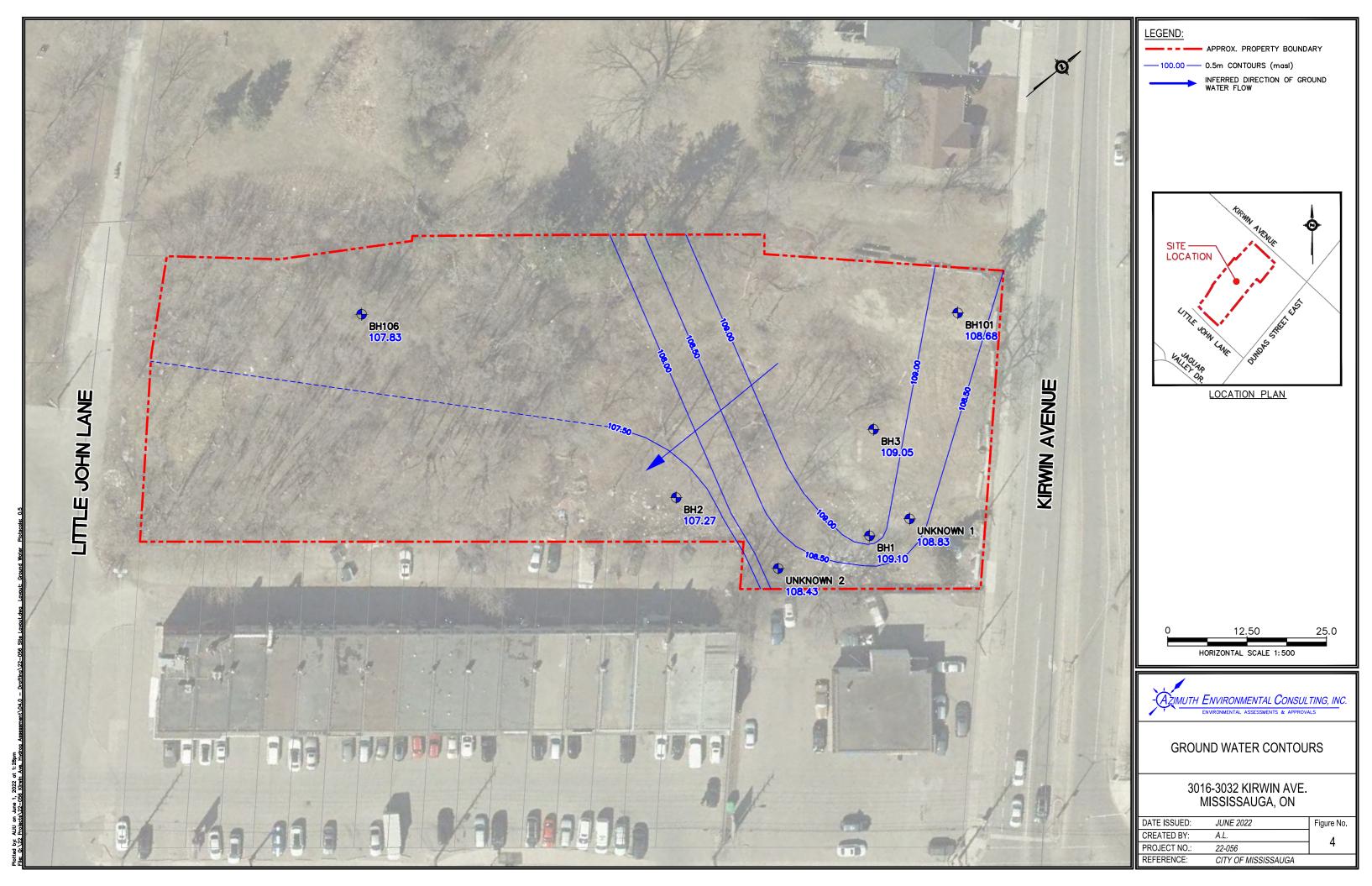
Figures

AZIMUTH ENVIRONMENTAL CONSULTING, INC.











#### **APPENDIX B**

#### **Proposed Development Plan**

# **PROPOSED 8 STOREY RENTAL BUILDING**



# CONSULTANTS:

### ARCHITECT:

# KFA ARCHITECTS + PLANNERS INC.

197 SPADINA AVENUE, SUITE 500 TORONTO, ON M5T 2C8 TEL: 416 633 6226

## PLANNING:

# WESTON CONSULTING

268 BERKELEY ST TORONTO, ON M5A 2X5

TEL: 905-738-8080

## ACOUSTIC:

VALCOUSTICS

30 WERTHEIM CT RICHMOND HILL, ON L4B 1B9

TEL: 416-633-6226 EXT. 222

3016 - 3022 KIRWIN AVE, MISSISSAUGA, ON, CANADA

### LANDSCAPE:

MSLA 170 THE DONWAY WEST, SUITE 206 NORTH YORK, ON M3C 2G3

TEL: 416-492-9966 EXT. 26

# ARBORIST / ENVI.

# **BEACON ENVIRONMENTAL**

80 MAIN ST N MARKHAM, ON L3P 1X5 TEL: 519-835-6455

## WIND:

# THEAKSON ENVIRONMENTAL GLENGARRY CRESCENT FERGUS, ON N1M 3E2

TEL: 519-787-2910

## TRANSPORTATION:

LEA CONSULTING 425 UNIVERSITY AVENUE, SUITE 400 TORONTO, ON M5G 1T6

TEL: 905-470-0015 ext. 245

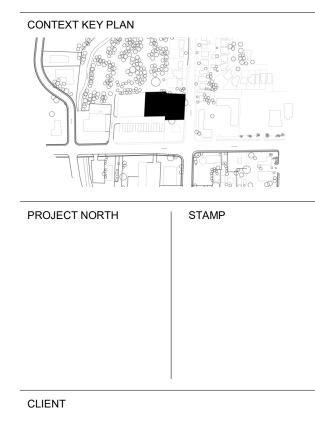
3016 **KIRWIN AVE** 

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All dimensions to be checked on site by the contractor. Drawings are not to be scaled, any discrepencies are to be reported to the Architect before proceeding with the work.

No.	Description	Date
1	Issued for Review	2020/07/27
2	Issued for Review	2020/09/29
3	Issued for Review	2020/12/17
4	Issued for Review	2021/02/04
5	ISSUED FOR OPA/ZBA	2021/03/10



DVB Real Estate Investaments Inc.



SCALE:	
DATE:	Feb. 04, 2020
DRAWN BY:	FC, LF

DRAWING TITLE

DRAWING NO

A000

COVER PAGE

CIVIL ENGINEER: LEA CONSULTING

425 UNIVERSITY AVENUE, SUITE 400 TORONTO, ON M5G 1T6

TEL: 905-470-0015 ext.328

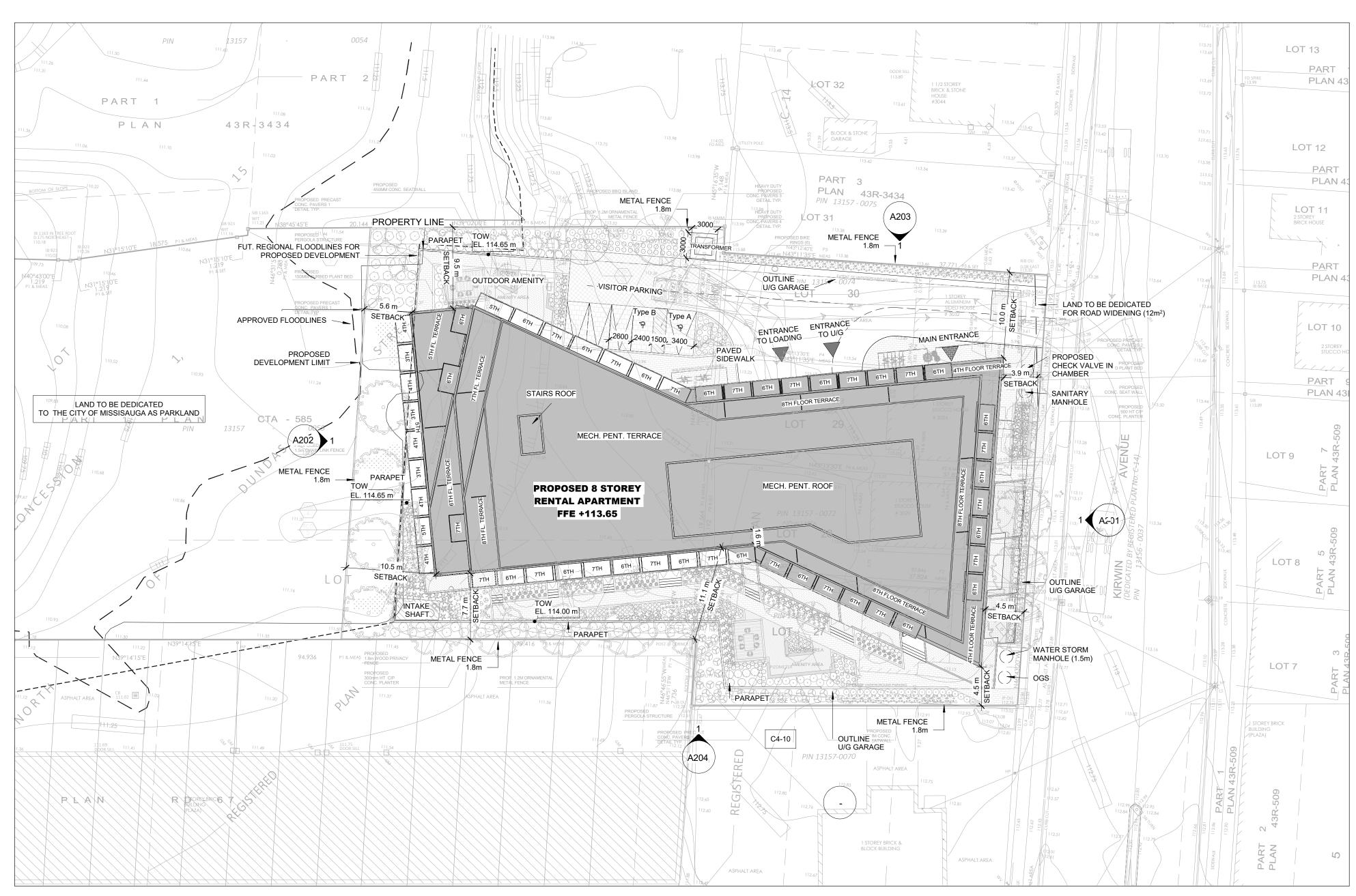
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Sheet Number	Sheet Name
A000	COVER PAGE
A001	SITE PLAN & STATS
A101	PARKING GARAGE LEVEL 2
A102	PARKING GARAGE LEVEL 1
A103	GROUND FLOOR
A104	2ND FLOOR PLAN
A105	3RD FLOOR PLAN
A106	4TH FLOOR PLAN
A107	5TH FLOOR PLAN
A108	6TH FLOOR PLAN
A109	7TH FLOOR PLAN
A110	8TH FLOOR PLAN
A111	MECHANICAL FLOOR PLAN
A112	ROOF PLAN
A201	EAST ELEVATION
A202	WEST ELEVATION
A203	NORTH ELEVATION
A204	SOUTH ELEVATION
A205	SECTION 1 E/W
A206	SECTION 2 N/S





1. SATELLITE AERIAL VIEW



3. SITE PLAN / 1:300



2. TOPOGRAPHIC AERIAL VIEW

### 3016-3022 Kirwin Ave

Legal Description ALL OF LOTS 27 TO 30	REGISTER
PLAN TOR-12 AND PAR	
MISSISSAUGA REGION	AL MUNICI
Site	
Gross Site Area	
Parkland Dedication	
Road Widening Area	
Net Site Area	
Lot Frontage	
Lot Depth	
Building proposal	
Building Footprint	
Building Height	10
Gross Floor Area	(Ba

#### FSI FSI Floor **Proposed Areas**

Lot Coverage (%)

Lot Coverage (%)

Gru	un
ΤH	2n
2nc	I FI
3rd	Fl
4th	Fl
5th	Fl
6th	Fl
7th	Fl
8th	Fl

Total Proposed GFA

Unit Count

\* Gross Construction Area (GCA) - The total enclosed area of a floor or building measured to the outside surface of the permanent exterior walls of the building or structure or to a predetermined surface, or plane as in the case of overhangs and projections to the outside surface of the building.

Groun 2nd Fl 3rd Flo 4th Flo 5th Flo 6th Flo 7th Flo 8th Flo Total

Vehicular Parking

Parking Required Rental 1 Bed @1.18 per unit Rental 2 Bed @1.36 per unit Rental 3 Bed @1.5 per unit

Rental Visitors @ 0.15 per unit Total Vehicular Parking Requi

Parking Provided (estimated)

Residential Residential Visitor

Total Vehicular Parking Provi Bicycle Parking Required

Short Term Residential Long Term Residential

Provided (estimated)

Short Term Residential Long Term Residential

Landscaped Area Soft Landscaping Hard Landscaping

Green Roof Total Landscape Amenity Area

Amenity Area Required 5.6 m² per unit

Total Amenities Required

Amenity Area Provided (estim

1) Indoo 2) Outdo

Total Amenities

# RED PLAN No. C-14 AND PART OF LOT 5 REGISTERED 15 CONCESSION 1, NORTH OF DUNDAS TREET CITY OF IPALITY OF PEEL

6,385.0 m² 68,730 sf 26,372 sf 2,450.0 m² 12.0 m² 129 sf 3,923.0 m² 42,228 sf 50.3 m 131.4 m 1,703.0 m² \*Mech. Pent. Excluded 25.5 m ed on GFA - Apartment Zone) 11,120.0 m² 27% (Based on Gross Site Area) (Based on Net Site Area) 43% (GFA / Gross Site Area) 1.74 (GFA / Net Site Area) 2.83 GCA\*\* GFA\* (m²) (m²) Ground Floor 1,583.0 930.0 10,011 600.0 600.0 6,459 nd Floor 1,585.0 1,525.0 16,415 Floor 1,703.0 17,524 1,628.0 1,508.0 1,448.0 15,587 1,427.0 1,367.0 14,715 1,370.0 1,297.0 13,961 13,617 1,311.0 1,265.0 1,106.0 1,060.0 11,410 11,120.0 119,699 Total GFA 12,193.0 11,120.0 m<sup>2</sup> 119,699 ft²

\*Gross Floor Area (GFA) - Apartment Zone means the sum of the areas of each storey of a building above or below established grade, measured from the exterior

of outside walls of the building including floor area occupied by interior walls but excluding any part of the building used for mechanical floor area, stairwells, elevators, motor vehicle parking, bicycle parking, storage lockers, below-grade storage, any enclosed area used for the collection or storage of disposable or recyclable waste generated within the building, common facilities for the use of the residents of the building, a day care and amenity area.

	l	Jnits		1 Bed	2 Bed	3 Bec
Floor		10				
or		20				
r		23				
r F		22				
r		20				
r		20 19				
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nits		148		113 76.4%	32 21.6%	3 2.0%
				10,470	21.0.0	2.070
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			113		133	1.18
			32		44	1.36
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ed			148	Tot:	22 <b>204</b>	0.15
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	5	16	0		21	0.14
	5	80	93		178	9.0CT
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Ra <i>0.</i> (	tio 08 x unit 1,7 x unit P1 Lev 14	el O	912.0 m²	Tot:	178 12 104 115 115 23%	1.20
Ra <i>0.</i> (	tio 08 x unit 1,7 x unit P1 Lev 14	el O	912.0 m² 760.0 m² 466.0 m²	Tot:	178 12 104 115 115 23% 19% 12%	1.20
Ra <i>0.</i> (	tio 08 x unit 1,7 x unit P1 Lev 14	el O	912.0 m² 760.0 m² 466.0 m²	Tot:	178 12 104 115 115 23% 19% 12%	1.20
Ra <i>0.</i> (	tio 08 x unit 1,7 x unit P1 Lev 14	el O	912.0 m² 760.0 m² 466.0 m²	Tot:	178 12 104 115 115 23% 19% 12%	1.20
Ra <i>0.</i> (	tio 08 x unit 1,7 x unit P1 Lev 14	el O	912.0 m² 760.0 m² 466.0 m² <b>2138.0 m</b> ²	Tot:	178 12 104 115 115 23% 19% 12%	1.20
Ra <i>0.</i> (	tio 08 x unit 1,7 x unit P1 Lev 14	el O	912.0 m² 760.0 m² 466.0 m² <b>2138.0 m</b> ²	Tot:	178 12 104 115 115 23% 19% 12%	1.20
Ra 0. (1 At Grade	tio 08 x unit ).7 x unit 14 0	el O	912.0 m <sup>2</sup> 760.0 m <sup>2</sup> 466.0 m <sup>2</sup> <b>2138.0 m<sup>2</sup></b> 828.8 m <sup>2</sup> <b>828.8 m<sup>2</sup></b>	Tot:	178 12 104 115 115 23% 19% 12%	1.20
Ra <i>0.</i> ( At Grade	tio 08 x unit ).7 x unit 14 0	el O	912.0 m² 760.0 m² 466.0 m² <b>2138.0 m</b> ²	Tot:	178 12 104 115 115 23% 19% 12%	1.20
Ra 0. (1 At Grade	tio 08 x unit 0.7 x unit 14 0	el O	912.0 m <sup>2</sup> 760.0 m <sup>2</sup> 466.0 m <sup>2</sup> <b>2138.0 m<sup>2</sup></b> 828.8 m <sup>2</sup> <b>828.8 m<sup>2</sup></b>	Tot:	178 12 104 115 115 23% 19% 12%	1.20
Ra 0. (1) At Grade	tio 08 x unit 0.7 x unit 14 0	el O	912.0 m <sup>2</sup> 760.0 m <sup>2</sup> 466.0 m <sup>2</sup> <b>2138.0 m<sup>2</sup></b> 828.8 m <sup>2</sup> 828.8 m <sup>2</sup> 330.0 m <sup>2</sup>	Tot:	178 12 104 115 115 23% 19% 12%	1.20
Ra 0. (1) At Grade	tio 08 x unit 0.7 x unit 14 0	el O	912.0 m <sup>2</sup> 760.0 m <sup>2</sup> 466.0 m <sup>2</sup> <b>2138.0 m<sup>2</sup></b> 828.8 m <sup>2</sup> 828.8 m <sup>2</sup> 330.0 m <sup>2</sup> 100.0 m <sup>2</sup>	Tot:	178 12 104 115 115 23% 19% 12%	

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2	Issued for Review	2020/09/29
3	Issued for Review	2020/12/17
4	Issued for Review	2021/02/04
5	ISSUED FOR OPA/ZBA	2021/03/10

# 11x17 FORMAT HALF SCALE



Date: Feb. 04, 2020

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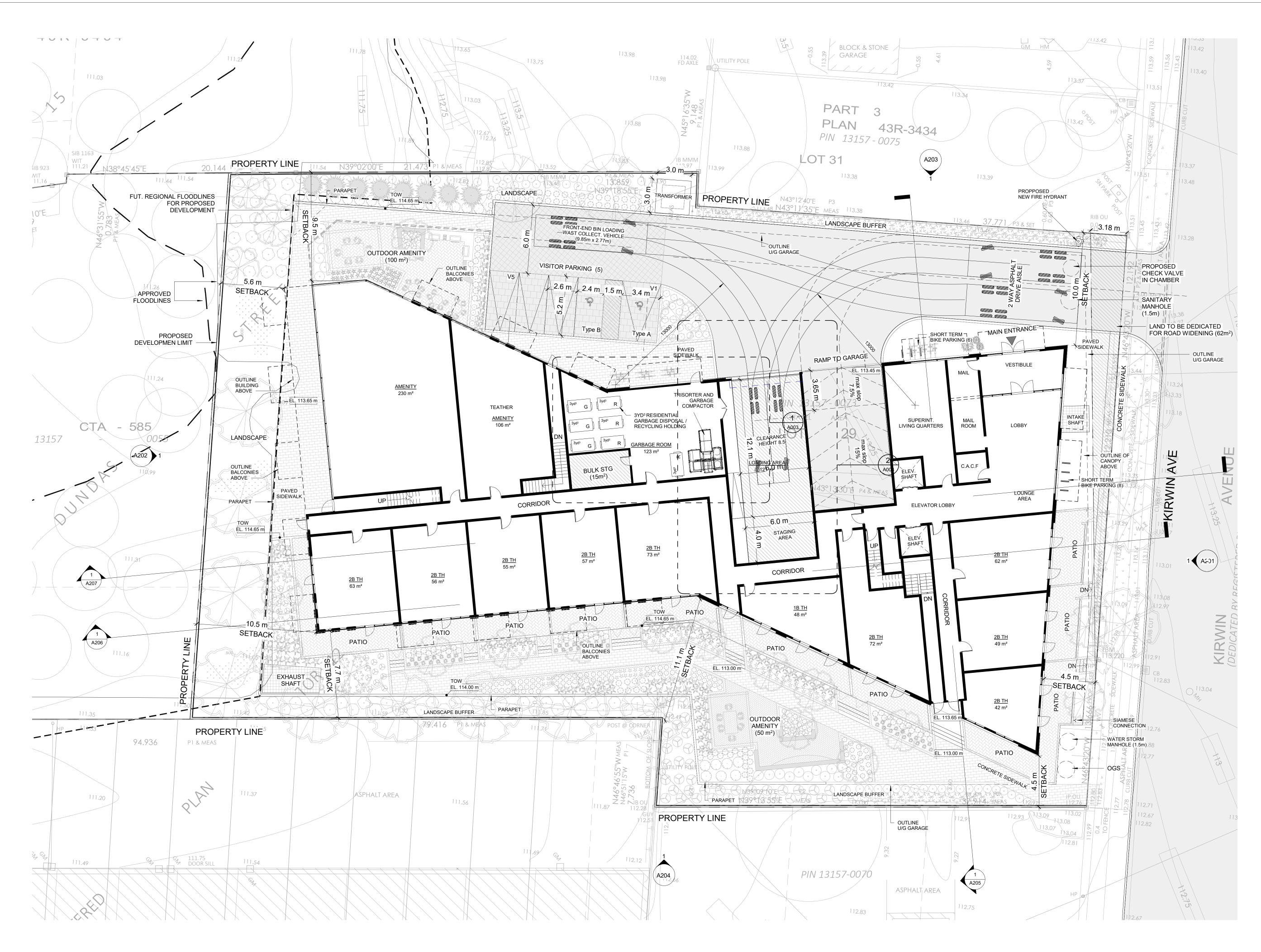
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# SITE PLAN & STATS

Drawing Number

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2021/03/10
2022/01/21
2022/07/27
2022/08/22



197 SPADINA AVE • SUITE 500 TORONTO • ON • M5T 2C8 www.kfarchitecture.com



20009

Project No:

1 : 150 Scale:

Date: Feb. 04, 2020

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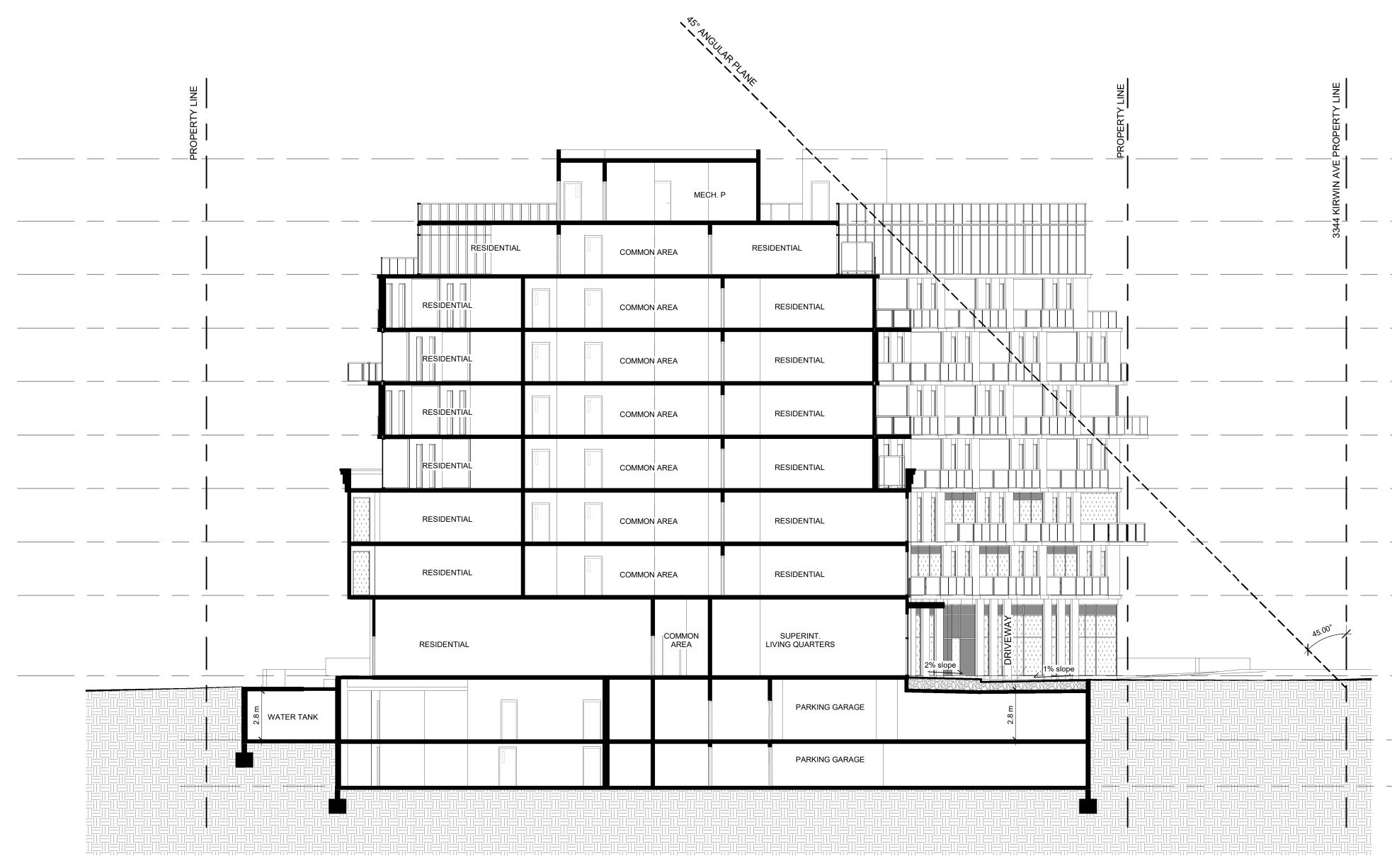
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A103

Drawing Title

**GROUND FLOOR** 

Drawing Number



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No.	Description	Date
I ISSUE	D FOR OPA/ZBA	2021/03/10
2 ISSUE	D FOR OPA/ZBA	2022/01/21
lssued	for Coordination	2022/07/27
lssued	for Coordination	2022/08/22

		Roof	
		142.65 m	
3.5 m			
3.5			
	- <b>\</b> -	Mech. P.	
ε		139.15 m	
3.0 m		8th Floor	
<b>_</b>		136.15 m	
3.0 m		130.15 11	
3.0		7th Floor	
		133.15 m	
3.0 m		100.10 111	
κ		6th Floor	
		130.15 m	
3.0 m	Ē		
с <u>Ц</u>		5th Floor	
		127.15 m	
3.0 m			
	E o	4th Floor	
	Ň	124.15 m	
3.0 m			
	_	3rd Floor	
Ĺ		121.15 m	
3.0 m			
		2nd Floor	
		118.15 m	
4.5 m			
4			
	Gro	ound Floor	
	· ¥	113.65 m	
3.6 m			
κ			-
$\rightarrow$		P1 110.05 m	
2.6 m		110.00 [[]	
~		P2	
		107.45 m	



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20009

Project No: 1 : 150

Feb. 04, 2020

FC

Drawing Title

Scale:

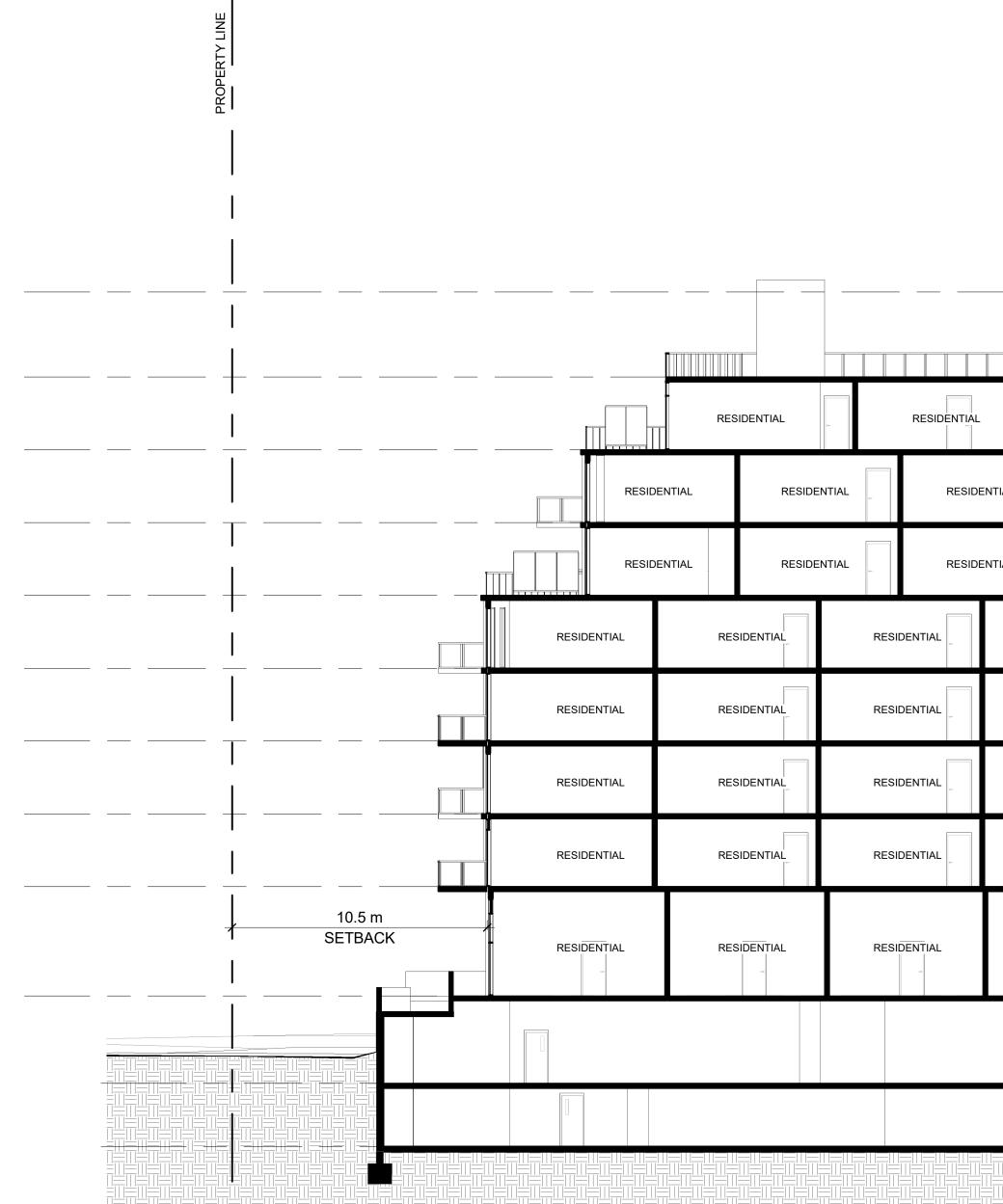
Date:

Drawn by:

# SECTION 1 E/W

Drawing Number

A205



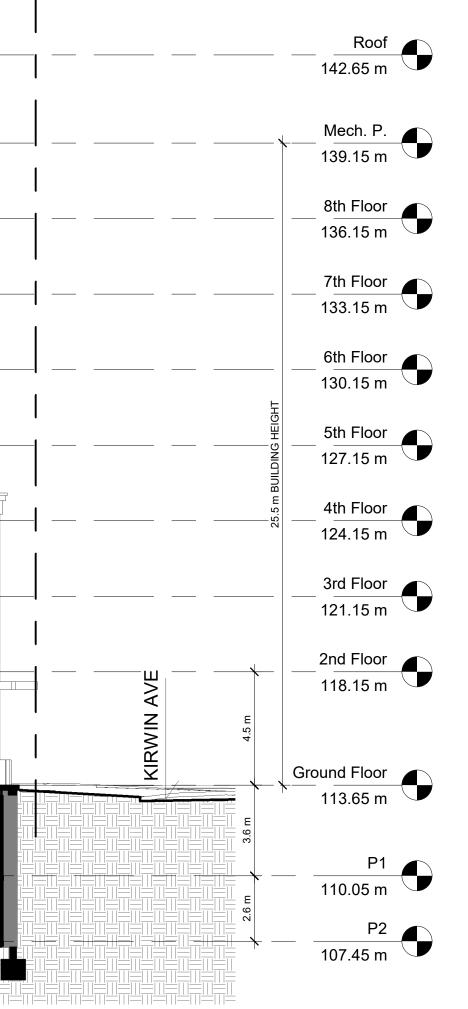
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				MECH. P				E SE
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	DENTIAL	RESIDENTIAL	RESIDEN	NTIAL	~~	CORR.	RESIDENTIAL	B.S.
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RESIDENTIAL	RESIDENTIAL	RESIDENTIAL	RESIDEN	NTIAL	~~	CORR.	RESIDENTIAL	3.0 m
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PARK	KING GARAGE							3400
PARK	KING GARAGE							

# 3016 KIRWIN AVE

3016-3022 Kirwin Avenue Mississauga - ON - Canada

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No.	Description	Date
1	ISSUED FOR OPA/ZBA	2021/03/10
2	ISSUED FOR OPA/ZBA	2022/01/21
8	Issued for Coordination	2022/07/27
9	Issued for Coordination	2022/08/22





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Scale: 1 : 150

Date: Feb. 04, 2020

FC

Drawing Title

Drawn by:

Project No:

SECTION 2 N/S

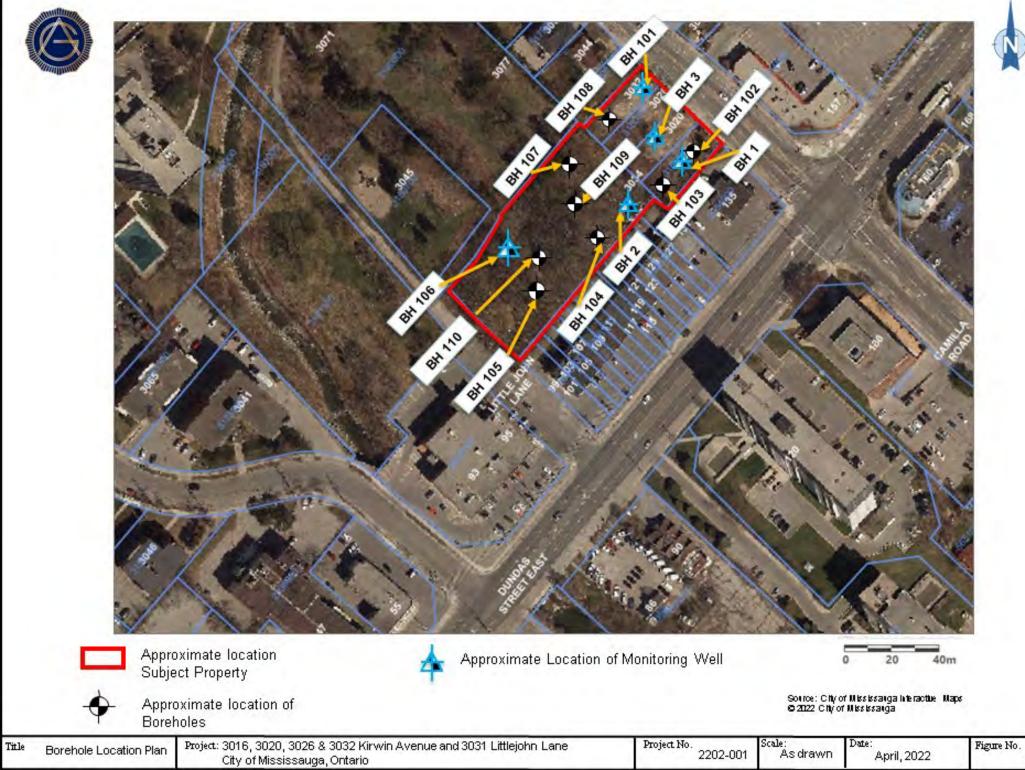
Drawing Number

A206



#### **APPENDIX C**

MECP Well Records & Site Borehole Logs



4



PROJECT NUMBER: 2012-001

# PROJECT NAME: Phase Two ESA

CLIENT: DBV Real Estate Investments Inc.

**ADDRESS:** 3031 Littlejohn Ln and 3016, 3020, 3026, 3032 & 3034 Kirwin Av, Mississauga

# UTM COORD. (m) 17 T611938 m E 4826562 m N TOTAL WELL DEPTH: 6.8 mbgs HOLE SIZE/SAMPLING METHOD: 50 mm /SS SURFACE ELEVATION: 113.13 masl RIG MODEL: Diedrich D-120 WELL SCREEN: 3.05 m; #10 Slot Screen

DRILLING METHOD: Spilt Spoon, Hollow Stem A WATER LEVEL: 4.46 mbgs SAMPLING LENGTH: 0.762 m

COMMENTS : masl: meter above sea level - SS: Split-Spoon LOGGED BY ST CHECKED BY AT HSVC as Hexane (ppm) Elevation (masl) Soil Sample ID Recovery Sample Type HSVC as Isobutylene **Graphic Log** Depth (m) Soil Lab Analyses **Material Description** (mdd) % 100 0 SS 1 100 mm Topsoil . - 113 SILTY CLAY FILL, brown, some gravel, 0 0.0 moist-wet, no odours & stains

- 112.5	- 0.5 -									
- - - 112 -	- 	2	SS		PAHs, M&I		0	0.0		
111.5 	- 1.5 - - - 2	3	SS	Γ.		SILTY SAND FILL, brown, some gravel & cobbles, dry, no odours & stains	0	0.0		
- 111 - - - - 110.5	- - - - 2.5	4	SS	Ŀ.			0	0.0		
_ _ _ 110 _	- 3 	5	SS	Ŀ.						
- 109.5 						 	0	0.0		
- 109 	4	6	SS		PHC, VOC, DUP-S1	SILTY CLAY, brown-grey, moist, some gravel & rocks, firm - stiff	0	0.0		• , •
108.5	- 4.5 - -	7A	SS	г.			0	- 0.0	¥	· · · · · · · · · · · · · · · · · · ·
- 108 	5 - -	7B				- grey, stiff to hard, weathered shale fragments		0.0		· , ·
- - 107.5	5.5	8	SS				0	0.0		
- - 107	6 - -	9	SS	Γ.						• , •
- 106.5 	- 6.5 -						0	0.0		· · · · · · · · · · · · · · · · · · ·
106	- 7 									
					1	1		1		1 of 1

Azure Group Inc. 2020 produced by ESlog.ESdat.net on 07 Jan 2021 Page 1 of 1

Well Diagram



PROJECT NUMBER: 2012-001 PROJECT NAME: Phase Two ESA

# CLIENT: DBV Real Estate Investments Inc.

ADDRESS: 3031 Littlejohn Ln and 3016, 3020, 3026, 3032 & 3034 Kirwin Av, Mississauga

COMMENTS : masl: meter above sea level - SS: Split-Spoon

# UTM COORD. (m) 17 T611938 m E 4826562 m N TOTAL WELL DEPTH: 6.06 mbgs HOLE SIZE/SAMPLING METHOD: 50 mm /SS SURFACE ELEVATION: 112.56 masl RIG MODEL: Diedrich D-120 WELL SCREEN: 3.05 m; #10 Slot Screen

LOGGED BY ST

DRILLING METHOD: Spilt Spoon, Hollow Stem A WATER LEVEL: 4.86 mbgs SAMPLING LENGTH: 0.762 m

CHECKED BY AT HSVC as Hexane (ppm) Elevation (masl) Soil Sample ID Recovery Sample Type HSVC as Isobutylene **Graphic Log** Depth (m) Soil Lab Analyses **Material Description** Well Diagram (mqq) % 112.5 SS Topsoil and Asphalt 1 SILTY SAND FILL, brown, some gravel 0 0.0 & cobbles, dry, no odours & stains 0.5 112 SS M&I 1 2 111.5 0 0.0 L 1.5 111 3 SS 0 0.0 2 --- 110.5 SS 4 2.5 - 110 0 0.0 3 109.5 5A SS 0 0.0 3.5 109 SILTY CLAY, grey, some organic, moist, 5B soft-firm 6 SS PHC, VOC 4 108.5 0 0.0 4.5 108 7 SS - stiff to hard 0 0.0 5 107.5 - weathered shale fragments SS 8 5.5 107 0 0.0 6 106.5 6.5 106 7 105.5

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PROJECT NUMBER: 2012-001 PROJECT NAME: Phase Two ESA

CLIENT: DBV Real Estate Investments Inc.

**ADDRESS:** 3031 Littlejohn Ln and 3016, 3020, 3026, 3032 & 3034 Kirwin Av, Mississauga

# UTM COORD. (m) 17 T611938 m E 4826562 m N TOTAL WELL DEPTH: 6.57 mbgs HOLE SIZE/SAMPLING METHOD: 50 mm /SS SURFACE ELEVATION: 113.31 masl RIG MODEL: Diedrich D-120 WELL SCREEN: 3.05 m; #10 Slot Screen

DRILLING METHOD: Spilt Spoon, Hollow Stem A WATER LEVEL: 4.48 mbgs SAMPLING LENGTH: 0.762 m

COMMENTS : masl: meter above sea level - SS: Split-Spoon LOGGED BY ST CHECKED BY AT HSVC as Hexane (ppm) Elevation (masl) Soil Sample ID Recovery Sample Type HSVC as Isobutylene **Graphic Log** Depth (m) Soil Lab Analyses **Material Description** Well Diagram (mqq) % SS 100 mm Topsoil 1 SILTY SAND FILL, brown, some gravel 113 0 0.0 & cobbles, dry, no odours & stains 0.5 \_ 112.5 SS M&I 1 2 0 0.0 112 1.5 3 SS - 111.5 0 0.0 2 - 111 SS 4 2.5 0 0.0 - 110.5 3 SS 5 - 110 0 0.0 3.5 109.5 6 SS SILTY CLAY, brown-grey, moist, some 4 gravel & rocks, firm - stiff 0 0.0 109 4.5 7A SS - grey 108.5 0 0.0 5 7B - weathered shale fragments 108 8 SS 5.5 0 0.0 107.5 6 SS 9 107 0 0.0 6.5 106.5 7 – – 106

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AZ	JRE GF	<b>ROUP</b> DI	RAWING NO. 2						
JOB	NUMBE	R 2202-0	01BH101						
PROJE		DN: 3016 – 3	032 Kirwin Avenue &3031 Little	John	Lane, I	Mississa	uga, Onta	rio	
	: Black Cree						0		
	hear Streng		G%= Gravel, S% = Sand, F% = 1	-ines (S	ilt and	l Clay), I	M = Moist	ure Conter	nt
-	erature: 5°C		· · ·	•					
Finish Azure	-	April	1,2022Time: 8.55 am Sheet 1,2022Time: 5:30 pm e: 150 mm Open pth: 5.4 m G.W. Elevation: 3		mApri	113, 202	2Time: 1	om	
	/Elev. (m)		Soil Description	1	e/No	N	C <sub>u</sub> (kPa)	G.W.T	Remark
0	113.4	250 mm Top		SS	1	6			
			dark brown silty clay/clayey silt gravel, and organics						
.75	112.7			SS	2	5			
1.5	111.9			SS	3	5			
2.25	111.2	Compact SII moist below	.TY SAND/SANDY SILT trace gravel, / 2.2 m	SS	4	37			
3.0	110.4			SS	5	36			
		Loose below	v 3.0 m, wet						
4.6	108.8		grayish brown stiff SILTY Y SILT trace sand and gravel, wet	SS	6	19			
		below 4.0 m	_					5.4 m	
6.1	107.9	Hard grev C	LAYEY SILT trace to some shale	SS	7	55			
		fragmentsb							
7.6	105.8			SS	8	>80			
8.2	105.2	Refusal at 8	.2 m			>80			

AZU	JRE GF	<b>ROUP</b> DRAWING NO. 3						
JOB	NUMBE	R 2202-001BH102						
PROJE	CT LOCATIO	DN: 3016 – 3032 Kirwin Avenue &3031 Little	John I	Lane, N	/lississa	uga, Ontai	rio	
Client:	: Black Cree	k Group						
$C_u = St$	hear Streng	th (kPa)	nes (S	ilt and	Clay), I	A = Moistu	ure Conten	t
Тетре	erature: 5°C							
Starte	d/Date	April 8, 2022Time: 8.55 am Sheet 1	lof 1					
	ed/Date	April 8,2022Time: 5:30 pm						
		alAuger Type: 150 mm Open						
		n G.W. Depth: G.W. Elevation: Time:	<b>T</b>	- //		C (1) D =	C W T	Damard
Depth	/Elev. (m)	Soil Description	Тур	e/No	N	<i>C<sub>u</sub></i> (kPa )	G.W.T	Remark
0	113.1	250 mm Topsoil	SS	1	8			
		Soft to firmdark brown silty clay/clayey silt trace sand, gravel, and organics, moist						
.75	112.4	Trace gravel, possible cobbles, moist below	SS	2	8			
		0.7 m						
1.5	111.6		SS	3	15			
		Compact SILTY SAND/SANDY SILT trace gravel,						
		moist below 1.8 m						
2.25	110.9		SS	4	>80			
2.23	110.5	Very dense SAND & GRAVEL below 2.2 m,	55	-	200			
		moist (possible boulder)						
3.0	110.1	Very dense SAND & GRAVEL, moistbelow 3.0 m, possible cobbles	SS	5	66			
1.0	100 F	Compact SAND & GRAVEL trace clay, wet		6	22			
4.6	108.5	below 4.0 m	SS	6	22			
			<u> </u>					
6.1	105.5	Hardgrey SILTY CLAY/CLAYEY SILT trace shale fragments, wet below 6.0 m	SS	7	52			
	407 5							
7.6	105.5	Hard grey SILTY CLAY/CLAYEY SILT with SHALE	SS	8	>80			
		fragments below 7.0 m						
		Hard weathered shale Below 9.0 M	<u> </u>					
9.8	103.3	Refusal at 9.8 m	SS	9.8	>80			
		EOB						

AZL	JRE GF	R <b>OUP</b> DI	RAWING NO. 4						
JOB	NUMBE	R 2202-0	01BH103						
PROJE	CT LOCATIO	DN: 3016 – 3	032 Kirwin Avenue &3031 Littl	e John L	ane, I	Mississa	uga, Ontai	rio	
Client	Black Cree	k Group					-		
$C_u = St$	hear Streng	th (kPa)	G%= Gravel, S% = Sand, F% =	Fines (Si	lt and	l Clay), I	M = Moistu	ire Conten	t
Tempe	erature: 5°C								
Starte	d/Date	April	8, 2022Time: 4.45 am Sheet	1of 1					
	ed/Date	-	8,2022Time: 6:30 pm						
	-		e: 150 mm Open						
		G.W. Deptr	: G.W. Elevation: Time:	-	/= 1		c () p		
Depth	/Elev. (m)		Soil Description	Туре	e/No	N	C <sub>u</sub> (kPa )	G.W.T	Remark
0	112.5	250 mm Top Dark brown gravel, and	silty clay/clayey silt trace sand,	AS	1				
.75	111.8			AS	2				
1.5	111.0			AS	3				
1.5	111.0			AS	5				
2.25	110.3		/SANDY SILT trace gravel, moist	AS	4				
		below 2.2 m							
3.0	109.5			AS	5				
4.6	107.9		stiff SILTY CLAY/CLAYEY SILT trace avel, wet below 4.0 m	SS	6				
6.1	106.4	Hard CLAYE wet below 6	Y SILT/SILTY CLAY trace gravel, 5.0 m	SS	7	50			
7.6	104.9	Hard CLAYE	Y SILT/SILTbelow 7.0 m	SS	8	>80			
9.2	103.3	Refusal at 8	2 m	SS	9	>80			

AZU	JRE GF	ROUPDRAWING NO. 5						
JOB	NUMBE	R 2202-001BH104						
PROJE		DN: 3016 – 3032 Kirwin Avenue &3031 Little	e John L	ane, I	Mississa	uga, Onta	rio	
Client	: Black Cree	k Group						
$C_u = SI$	hear Streng	th (kPa) G%= Gravel, S% = Sand, F% = 1	Fines (Si	lt and	l Clay), l	M = Moisti	ure Conten	t
Тетр	erature: 5°C							
	d/Date	1 /	t 1of 1					
	ed/Date	April 7,2022Time: 6:30 pm						
	-	PalAuger Type: 150 mm Open G.W. Depth: G.W. Elevation: Time:						
	/Elev. (m)	Soil Description	Туре		N	<i>C<sub>u</sub></i> (kPa	G.W.T	Remark
Deptil	/ LIEV. (111)	Son Description	iype	./ NO			0.00.1	Nemark
0	112.1	250 mm Topsoil	AS	1		,		
		Dark brown silty sand/sandy silt trace clay,						
		gravel, and organics						
.75	111.4	Dark brown SILTY CLAY trace gravel and	AS	2				
		organics below 0.7 m						
1.5	110.6	Light brown CLAYEY SILT trace gravel below	AS	3				
		1.5 m						
2.25	109.9	SILTY CLAY/CLAYEY SILT, trace gravel, wet below 2.2 m	AS	4				
		below 2.2 m						
3.0	109.1	Hard CLAYEY SILT/SILTY CLAY below 3.0 m	AS	5				
4.6	107.5		AS	6				
					ļ			
		-						
6.1	106.0	-	SS	7	>80			
		Hard grey CLAYEY SILT/SILTY trace sand and						
		gravel, wetbelow 6.0 m						
		-						
7.6	104.5	-	SS	7	>80			
9.2	102.9		SS	8	>80			
		Hard CLAYEY SILT with SHALE trace gravel						
9.8	102.3	below 9. M Refusal at 9.8 m	SS	9	>80			
	1	FOR		1	1	L		

EOB

AZU	JRE GF	<b>ROUP</b> DRAWING NO. 6								
JOB	NUMBE	R 2202-001BH105								
PROJE		DN: 3016 – 3032 Kirwin Avenue &3031 Little	e John L	ane, N	/lississa	uga, Ontai	rio			
	: Black Cree	-								
	hear Streng		Fines (Si	lt and	Clay), l	M = Moistu	ure Conten	ot		
	<i>erature: 5°C</i> d/Date	April 8, 2022Time: Sheet 1of 1								
Finish Azure	ed/Date Rep: AmitP	April 8,2022Time: PalAuger Type: 150 mm Open								
G. S. El: 110.8 m       G.W. Depth: G.W. Elevation: Time:         Depth/Elev. (m)       Soil Description       Type/No       C <sub>u</sub> (kPa       G.W.T       Remark         )       )       )       (kPa       Soil Description       (kPa       (kPa										
0	110.8	250 mm Topsoil	AS	1		,				
		Dark brown silty sand/sandy silt trace clay, gravel, and organics								
.75	110.1	Sand trace clay and gravel below 0.75 m, moist to wet	AS	2						
1.5	109.3	SAND/SILTY SAND trace clay & GRAVEL, Wetbelow 1.5 m	AS	3						
2.25	108.6		AS	4						
3.0	107.8		AS	5						
4.6	106.2	Grey CLAYEY SILT, SILT trace sands below 4.6 m, wet	AS	6						
6.1	104.7	Very dense SILTY SAND/SANDY SILTtrace	SS	7	>80					
		Gravel and clay, wet below 6.0 m								
7.6	103.2		SS	8	>80					
9.2	101.6	Hard CLAYEY SILT with weathered SHALE below 9.0 m	SS	9	>80					
9.8	101.0	Refusal at 9.8 m EOB	SS	10	>80					

AZU	JRE GF	ROUPDRAWING NO. 7						
JOB	NUMBE	R 2202-001BH(MW)106						
PROJE	CT LOCATIO	DN: 3016 – 3032 Kirwin Avenue &3031 Little	John	Lane, N	Aississa	uga, Onta	rio	
Client:	Black Cree	k Group						
-	near Streng		ines (S	ilt and	Clay), l	M = Moist	ure Conten	t
	erature: 5°C							
	d/Date	April 8, 2022Time: Sheet 1of 1						
	ed/Date Ren: AmitP	April 8,2022Time: PalAuger Type: 150 mm Open						
	-	G.W. Depth: 2.69 mG.W. Elevation: 108.0	9mTin	ne:				
	/Elev. (m)	Soil Description	1	e/No	N	C <sub>u</sub> (kPa)	G.W.T	Remark
0	110.8	250 mm Topsoil	SS	1				
		Dark brown SILTY SAND/SANDY SILTtrace clay, gravel, and organics						
		Say, Brace, and Organics						
.75	110.1		SS	2				
1.5	109.3	CLAYEY SILT trace clay & GRAVEL, Wet below	SS	3				
1.5	109.3	1.5 m	55	3				
2.25	108.6		SS	4				
2.25	108.0		33	-				
							2.7 m	
3.0	107.8		SS	5			1	
							1 1	
							1 1	
							1 1	
4.6	106.2	Grey CLAYEY SILT trace gravel below, wet	SS	6		225.0	]	
		below4.6 m						
6.1	104.7	Hard grey CLAYEY SILT trace to some shale	SS	7	>80	225.0		
		fragments, wet below 6.0 m						
							4	
	402.5						-	
7.6	103.2		SS	8	>80	225.0	-	
							-	
							-	
9.2	101.6	Hard grey CLAYEY SILT with weathered SHALE	SS	9	>80		-	
J.Z	101.0	below 9.0 m, wet	33	3	<i>~</i> 80		-	
9.8	101.0		SS	10	>80		-	
3.0	101.0	Refusal at 9.8 m	33	10	~00			

EOB

AZU	JRE GF	ROUPDRAWING NO. 8									
JOB	NUMBE	R 2202-001BH(MW)107									
		DN: 3016 – 3032 Kirwin Avenue &3031 Little	John	Lane, N	Aississa	uga, Onta	rio				
	Black Cree	· · · · ·						_			
	hear Streng erature: 5°C		ines (S	filt and	Clay), I	A = Moist	ure Conten	t			
	d/Date	April 8, 2022Time: 11:45Sheet 1of 1									
	ed/Date	April 8,2022Time:									
Azure	Rep: AmitP	alAuger Type: 150 mm Open									
G. S. El: 113.26 m G.W. Depth: G.W. Elevation: Time:											
Depth	/Elev. (m)	Soil Description	Тур	e/No	N	C <sub>u</sub> (kPa)	G.W.T	Remark			
0	113.3	50 mm Asphalt	SS	1	5						
		Looseto very loosedark brown silty sand/sandy silt trace to some organics,									
		gravel,and clay, moist									
75	112.6			2	7						
.75	112.0		SS	2	/						
		•									
1.5	111.8	Compactbelow 1.5 m	SS	3	18						
2.25	111.1	Very dense below 2.2 m , possible boulders	SS	4	80						
3.0	110.3	Dense below3.0 m, wet	SS	5	43						
5.0	110.5		33	5	43						
4.6	108.7	Dense SILTY SAND/SAND possible boulders,	SS	6	47						
		wet below 4.0 m									
	407.0			-							
6.1	107.2	Hard grey SILTY CLAY/CLAYEY SILT trace	SS	7	47						
		gravel, wet below 5.0 m									
7.6	105.7		SS	8	>80						
		Hard grey weathered SHALE with hard SILTY		-							
9.2	104.1	Grey Weathered SHALE below 9.2 m	SS	9	>80						
10 7	102.0			10	>00						
10.7	102.6		SS	10	>80						
11.0	102.3	Refusal at 7.8 m	SS	11	>80						
11.0	102.3		33	11	~00						

AZL	JRE GF	ROUPDRAWING NO. 9						
JOB	NUMBE	R 2202-001BH108						
PROJE	CT LOCATIO	DN: 3016 – 3032 Kirwin Avenue &3031 Little	John L	ane, N	/lississa	uga, Onta	rio	
Client:	Black Cree	k Group						
$C_u = Sh$	hear Streng	th (kPa)	ines (Si	lt and	Clay), I	M = Moist	ure Conten	ot
	erature: 5°C							
-	d/Date	April 8, 2022Time: 8:00 amSheet 1of	1					
	ed/Date	April 8,2022Time:						
Azure	Rep: AmitP	PalAuger Type: 150 mm Open						
G. S. E	l: 113.28 m	G.W. Depth: G.W. Elevation: Time:				1		
Depth	/Elev. (m)	Soil Description	Туре	/No	N	C <sub>u</sub> (kPa)	G.W.T	Remark
0	113.3	250 mm Topsoil	AS	1				
		Dark brown SILTY SAND/SANDY SILT trace clay, gravel, and organics						
.75	112.6		AS	2				
1.5	111.8	Light brown SILTY SAND,trace clay and gravel, moist below 1.5 m,	AS	3	7			
2.25								
2.25	111.1		AS	4				
3.0	110.3	Brown SILTY SAND with GRAVEL, moist below 3.0 m	AS	5	28			
4.6	108.7	Light brown SILTY SANDY/SANDY SILT trace to	AS	6	25			
		some clay and gravel, moist below 4.0 m						
	407.5	-		_				
6.1	107.2	Hard CLAYEY SILTSILTY CLAY trace to some shale fragments, wet below 6.0 m	SS	7	45			
7.6	105.7	Grey weathered SHALE with SILTY CLAYtrace	SS	8	75			
		gravel, moist below 7.0 m						
9.2	104.1		SS	9	>80			
5.2		Grey weathered SHALE with SILTY CLAY trace gravel, moist below 9.0 m						
10.7	102.6		SS	10	>80			
11.3	102.0	Refusal at 11.3 m	SS	11	>80			

AZL	JRE GF	<b>ROUP</b> DRAWING NO. 10						
JOB	NUMBE	R 2202-001BH109						
PROJE	CT LOCATIO	DN: 3016 – 3032 Kirwin Avenue &3031 Little	John La	ane, N	Aississau	uga, Onta	rio	
Client:	Black Cree	k Group						
	near Streng		ines (Sil	t and	Clay), N	1 = Moist	ure Conten	t
	erature: 5°C							
	d/Date	April 8, 2022Time: 8:50 amSheet 1of	1					
	ed/Date	April 8,2022Time: PalAuger Type: 150 mm Open						
	-	G.W. Depth: G.W. Elevation: Time:						
	/Elev. (m)	Soil Description	Туре	/No	N	C <sub>u</sub> (kPa)	G.W.T	Remark
0	112.5	250 mm Topsoil	AS			(111 4)		
U	112.5	Dark brown SILTY SAND/SANDY SILT trace	7.5					
		clay, gravel, and organics						
.75	111.8		AS					
-								
1.5	111.0	CLAYEY SILT trace clay &gravel, wet below 1.5	AS					
		m						
2.25	110.3		AS					
3.0	109.5		AS					
		Grey CLAYEY SILT trace gravel below 4.6 m,						
4.6	109.5	wet below 4.0 m	AS					
		Hard CLAYEY SILT/SILTY CLAY trace shale						
6.1	106.4	fragments, wet below 6.0 m	SS		>80			
7.0	1010		66					
7.6	104.9		SS		>80			
0.2	102.2	Hard CLAYEY SILT with weathered SHALE	66		<b>\0</b> 0			
9.2	103.3	below 9.0 m, wet	SS		>80			
0.0	102 7	Refusal at 9.8 m			200			
9.8	102.7	EOB	SS		>80			

AZU	JRE GF	<b>ROUP</b> DRAWING NO. 11								
JOB	NUMBE	R 2202-001BH110								
PROJE		DN: 3016 – 3032 Kirwin Avenue &3031 Little	John L	ane, N	Aississa	uga, Onta	rio			
	Black Cree	-								
	hear Streng erature: 5°C		nes (Si	lt and	Clay), l	M = Moist	ure Conten	ot		
	d/Date	April 8, 2022Time: Sheet 1of 1								
Finish Azure	ed/Date Rep: AmitP	April 8,2022Time: alAuger Type: 150 mm Open G.W. Depth: G.W. Elevation: Time:								
Depth/Elev. (m)     Soil Description     Type/No     N     Cu     G.W.T     Remark       (kPa)     (k										
0	110.9	250 mm Topsoil	AS	1						
		Dark brown SILTY SAND/SANDY SILT trace clay, gravel, and organics								
.75	110.2		AS	2						
1.5	109.4	CLAYEY SILT trace sand&gravel, wet below 1.5 m	AS	3						
2.25	108.7		AS	4						
3.0	107.9	SILTY SAND/SANDY SILT, wet below 3.0 m	AS	5						
A C	100.2		A.C.			225.0				
4.6	106.3	Grey CLAYEY SILT trace gravel below 4.6 m, wet below 4.0 m	AS	6		225.0				
6.1	104.8	Hard CLAYEY SILT trace to some gravels, wet	SS	7	>80	225.0				
		below 6.0 m								
7.6	103.3	Hard grey CLAYEY SILT trace shale fragments below 7.5 m	SS	8	>80					
9.2	101.7	Hard grey CLAYEY SILT with weathered SHALE below 9.0 m, wet	SS	9	>80					
9.8	101.1	Refusal at 9.8 m	SS	10	>80					

7296549



Ministry of the Environment and Climate Change 



S-20827 Page\_ of

ROYAL BANK OF CANADA

Address of Well Location (Street Number/Name)	Township	Lot	Concession		
2 Dundas Street West					
County/District/Municipality	City/Town/Village		Province Ontario	Postal Code	
UTM Coordinates Zone . Easting . Northing	Mississauga Municipal Plan and Sublot		OtherWKQ-0	10354	
NAD 8 3 1 7 6 1/1 69 248 46 12				10004 0 - A 02	
Overburden and Bedrock Materials/Abandonment Sealing R		back of this form)			
General Colour Most Common Material	Other Materials	General Description		Depth ( <i>m/ft</i> ) From To	
BL asphalt				03"	
Brown Clau	RIT			3 10	
Chrand Should				10' 14'	
eury on c					
	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·			
		· · · · · · · · · · · · · · · · · · ·			
			•		
Annular Space		Results of We	Il Yield Testing		
Depth Set at (m/ft) Type of Sealant Used	Volume Placed	After test of well yield, water was:	Draw Down Time Water Lev	Recovery	
From To (Material and Type)	( <i>m<sup>s</sup>/ft<sup>s</sup></i> )	Other, specify	(min) (m/ft)	(min) (m/ft)	
0 6 Concrete		If pumping discontinued, give reason:	Static Level		
6"5. Budanide			1	1	
3'14' 5-1		Pump intake set at (m/ft)			
			2	2	
	l	Pumping rate (Vmin / GPM)	3	3	
	mmercial Not used		4	4	
Rotary (Conventional)	unicipal 🗌 Dewatering	Duration of pumping hrs + min	5	5	
	st Hole Monitoring	Final water level end of pumping (m/ft)			
Air percussion	onig ar a contributing		10	10	
Qther, specify Direct_Push 🔲 Other, specify		If flowing give rate (I/min / GPM)	15	15	
Construction Record - Casing	Status of Well	Descent and any man shouth (m/ff)	20	20	
Inside Open Hole OR Material Wall Depth (m/ft) Diameter (Galvanized, Fibreglass, Thickness, From To	Water Supply	Recommended pump depth (m/ft)	25	25	
(Crivin) Concrete. Plasuc, Steer) (Crivin)	Test Hole	Recommended pump rate	30	30	
2 NC -225 0 L	Recharge Well	(I/min / GPM)			
	Qbservation and/or	Well production (Vmin / GPM)	40	40	
	Monitoring Hole		50	50	
	(Construction)	Disinfected?	60	60	
Construction Record - Screen	Insufficient Supply	Map of W	ell Location		
	Abandoned, Poor Water Quality	Please provide a map below followi		n the back.	
Dismeter Slot No	o Abandoned, other,			.10	
225 PVC 10 4' 12	<u><u> </u></u>		0 1	11/100	
	Qther, specify		_ <i>U</i>		
		]		(/	
Water Details Water found at Depth Kind of Water: Fresh Untested	Hole Diameter Depth ( <i>m/ft</i> ) Diameter	((	n		
	rom To (cm/in)				
Water found at Depth Kind of Water: Fresh Untested	2 14' 6	(	1		
(m/ft) Gas Other, specify					
Water found at Depth Kind of Water: Fresh Untested					
(m/ft) Gas Other, specify					
Business Name of Well Contractor	Well Contractor's Licence No.				
Strata Soil Sampling Inc.	7241				
Business Address (Street Number/Name)	Municipality		al contra		
165 Shields Court Province Postal Code Business E-mail Address	Markham	Pinchin Pinchin	Environ	mental	
	@stratasoil.co	Well owner's Date Package Deliver	ed Mir	nistry Use Only	
Bus Telephone No. (inc. area code) Name of Well Technician (Last N	package	Audit No			
1 905+764-9304 Vandervoor	manu	delivered Date Work Completed	, <b>─</b> ─── 0	CT 11 5 2017	
Well Technician's Licence No. Signature of Technician and/or Contrac	xtor Date Submitted	$10^{\text{res}}$ $20(12)$	1 2 Received		
0506E (2014/11)	Ministry's Copy			en's Printer for Ontario, 2014	

1.



\*03-C "WP03-C" added 17 T 611692 4826127 43.57974°N -79.61661°E Elevation= 112.4m

\*02-B "WP02-B" added 17 T 611750 4826092 43.57942°N -79.61590°E Elevation= 111.1m

\*01-A "WP01-A" added 17 T 611702 4826091 43.57942°N -79.61650°E Elevation= 112.0m

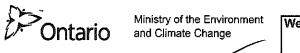
\*\*all waypoints removed...

-72U/ 270105

https://www.geoplaner.com/

13/09/2017

£>0		/ of the Environme mate Change		L GN 4 in deen ag No. (Place Sticker al	nd/or Print Below)		903 Ontario V	Vell R Vater Reso	
Measurem	ents recorded in:	Vetric 🗹 Imperi	al	A2232	TI		Pag	ge <u>[</u>	of
a de la construcción de la constru La construcción de la construcción d	ner's Information								<u>Meral Adda</u>
First Name		ast Name Forgani		ARP	E-mail Address				onstructed
	dress (Street Number/Nan	ne)		Municipality	Province	Postal Code	1010	e No. (inc. a	
	A LESUE S	F., Sne. 20		Toronto	Or mario	MJCJ	68416	548	5590
Well Loca Address of	Well Location (Street Nur	nber/Name)		Township		Lot	Concess	ion	
	22 KIRWIN	DR.		<b>A 1</b>		1	Province	Postal	Codo
County/Dis	trict/Municipality			City/Town/Village	_4 A		Ontario		
	dinates Zone Easting	Northing		Municipal Plan and Sublo			Other		
	83176111			cord (see instructions on th	a back of this form)				
General C		non Material	and the second	ther Materials		al Description	<u>ana di kaoni kaona kao</u>	Depti From	h ( <i>m/</i> )
Brow	D Earth Fi	11 silty Clay	and sand	Some Silt	Loose-	Consact	-	0	12.5
Brow	Eine-Med	in Send	Tr- Sit	t, Some Grav	Compart	· .		12.5	15
Grey	1 Silly Cla	J Till	Some San	I, Tr. Gravel,	Hard			15	25
		7,		- layer , cobbs/Bo					
	•			100100000000000000000	· ·				
					· · · · · · · · · · · · · · · · · · ·		unu		
		Annular Spac	<u>and a provide and the first the provide and </u>			an an an an a bha an	Il Yield Testin		
Depth Se From	et at (m(ft)) To	Type of Sealant U (Material and Type		Volume Placed	After test of well yield, y		Draw Dowr Time Water Le		vovery Water Level
D	13 Be	atonite		2.31	Other specify		(min) (m/ft) Static	(min)	(m/ft)
					If pumping dissontinue	d, give reason:	Level		
							1	1	
				~~~~~·····	Pump intake set at (m/	R)	2	2	
					Pumping rate (Vmin / G	PM)	3	3	
Cable To	hod of Construction	d 🗌 Public	Well U	<u>na 7 leg Science de la contra legada</u> 			4	4	
Rotary (0	Conventional) 🗌 Jetting		🗌 Munici	ipal 🗍 Dewatering	Duration of pumping hrs + rr	nin	3	5	
Rotary (F	Reverse)   Driving  Digging	Livestock	Test H	g & Air Conditioning	Final water level end of	f pumping <i>(m/ft)</i>	10	10	
Air percu		☐ Industrial ☐ Other, spe	cifv			(0010	15	15	
	Construction R			Status of Well	If flowing give rate (I/mi	n/GPM)	20	20	n
Inside Diame <u>te</u> r	Open Hole OR Material (Galvanized, Fibreglass,	Wall	Deptin (mft)	Water Supply	Recommended pump	depth <i>(m/fi</i> )			
(cm(n)	Concrete, Plastic, Steel)	Thickness (cm/n) Fro	nm To	Replacement Well     Fest Hole	Recommended pump		25	25	
2	PVC	18 C	15	Recharge Well     Dewatering Well	(I/min / GPM)		30	30	<u> </u>
				Observation and/or	Well production (Vmin /	GPM)	40	40	<u> </u>
				Monitoring Hole Alteration	Disinfected?		50	50	
<u> </u>				(Construction)	Yes No		60	60	
	Construction R	ecord - Screen		Insufficient Supply		Map of We	ell Location		Street, Actors
Outside Diameter	Material (Disstic Caluarized Start)	Slot No.	Depth (mft)	Water Quality	Please provide a map	below followir	ng instructions c	n the back.	
(cm/n)	(Plastic, Galvanized, Steel)	·····	~	specify			1	N	←
218	PVC	10 15	; 25	── □ Other, specify					
	Water De	<ul> <li>Construction of the second s Second second se</li></ul>		Hole Diameter			Kie	 اہیں	2.
~	d at Depth Kind of Water		ested De From	pth (m(ft) Diameter	SPREI		<b>¬</b>		
	d at Depth Kind of Water		ested <i>O</i>	25 6	IO PA				
	1/ft) Gas Other, spe				(0 PA	- R			
	d at Depth Kind of Water n/ft) □Gas □Other, spe							کدسا ۵۸۶	: <i>६</i> २.
	Well Contract	or and Well Tech	nician Informa	ation		<u> </u>			
-	ame of Well Contractor	00.00 64		Vell Contractor's Licence No.	Ц <sup>1</sup> с	more co	T/ Passon	ч	
	ONG SOIL SC ddress (Street Number/Na			7 2 4 7 1unicipality	Comments:	7	i cus	0.02	
52	65 SIDENJE	- 16		CLAREMONT			L UMS		
Province	Postal Code	Business E-ma			Well owner's Date Pa	ackage Delivere	d I Mittani	nistry Use	Only
Bus.Telepho	Dine No. (inc. area code) Na	ame of Well Technic	sian (Last Name	e, First Name)	information package		Audit No		2465
9051	49115	NETO, NE	15,0N		delivered	Y  Y  M  M ork Completed	<u>비 의</u> (1993)	διστρος [] δια	
Well Technic	ian's Licence No. Signature	of Technician and		ate Submitted		77091		AR 02	2018
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				14" × 47	•				



Measurements recorded in: 
Metric 
Minperial

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

A252016

 Regulation 903 Ontario Water Resources Act

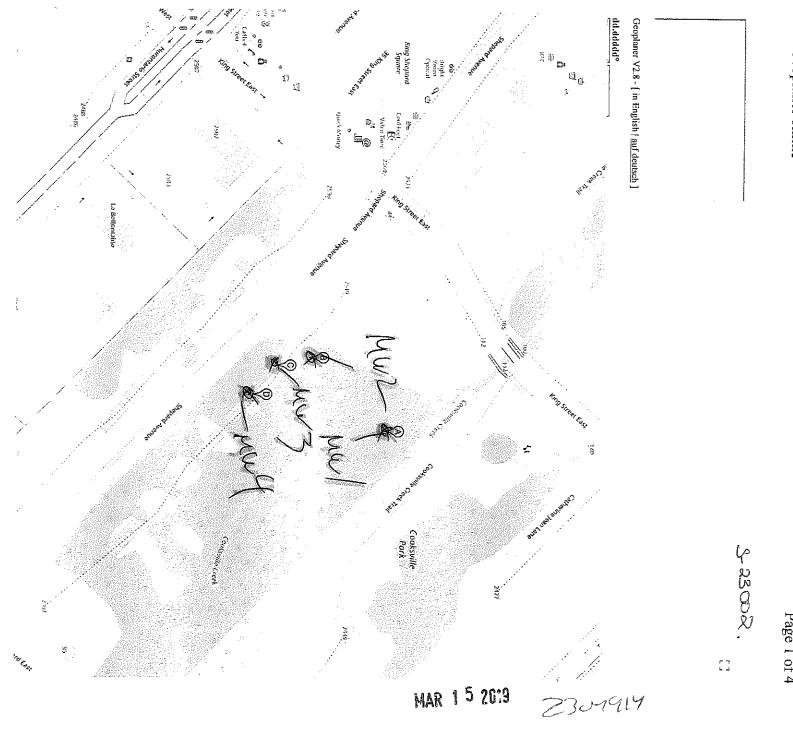
 Segulation 903 Ontario Water Resources Act

 Page\_\_\_\_\_ of \_\_\_\_\_

CITY OF MISSISSAUGA

	<u></u>	City/ lown/Village		Provinc	æ	Posta	Code ,
		Mississi	anda	Onta	rio		
UTM Coordinates Zone Easting Northing	1.4	Municipal Plan and Sublo	t Number	Other			
NAD 83 76 21724826	160		_	ano shi ini shi sana ka			
Overburden and Bedrock Materials/Abandonment S General Colour Most Common Material		cord (see instructions on the other Materials			<u> </u>	Den	th ( <i>m/ft</i> )
			General Description			From	
Drown bp soil		r - 1			@	2	2
Broan Clay	<u> </u>						51
Grey Silt	<u></u>	<u>v</u>			Č	51	131
		(					
						<u> </u>	
							<u> </u>
				*****			
Depth Set at (m/ft) Type of Sealant Used	<u></u>	Volume Placed	Results of We After test of well yield, water was:	ters, testing to some	<b>Testing</b> w Down		ecovery
From To (Material and Type)		( <i>m³/ft³</i> )	Clear and sand free	Time	Water Level		Water Level
0 05 concrete			Other, specify	(min) Static	(m/ft)	(min)	(m/ft)
OS' 2' Holeplue			If pumping discontinued, give reason:	Level			
O ( D ( C L)				1		1	
2 D Jand			Pump intake set at (m/ft)	2		2	
			Durania anto di ci const	3		3	·
Method of Construction	Well L		Pumping rate ( <i>l/min / GPM</i> )				
Cable Tool Diamond Public Rotary (Conventional) Jetting Domestic	Comm	—	Duration of pumping	4		4	
Rotary (Reverse)     Driving     Livestock	Test #	ele-	hrs +min	5		5	
□ Boring □ Digging □ Infigation □ Air percussion ↓ ↓ ↓ □ Industrial		g & Air Conditioning	Final water level end of pumping (m/ft)	10		10	
Dether, specify Litect US DOther, specify			If flowing give rate (I/min / GPM)	15		15	
Construction Record - Casing		Status of Well		20		20	
Diameter (Galvanized, Fibreglass, Thickness	pth( <i>m/ft</i> )	Water Supply Replacement Well	Recommended pump depth (m/ft)	25		25	
(cm/in) Concrete, Plastic, Steel) (cm/in) From	o ح 🖓	Test Hole	Recommended pump rate	$\vdash$			
2" PUC 0.125" O	31	Recharge Well     Dewatering Well	(Vmin / GPM)	30		30	
		Diservation and/or	Well production (I/min / GPM)	40		40	
		Monitoring Hole Alteration		50		50	
		(Construction)	Disinfected?	60		60	
Construction Record - Screen		Insufficient Supply	 Map of W		ntion		
Outside Material Der	pth ( <i>m/ft</i> )	Abandoned, Poor Water Quality	Please provide a map below followi			ne back	
Diameter (Plastic, Galvanized, Steel) Slot No. From	То	Abandoned, other, specify					
2251 PVC 10 31	Br						
		Other, specify					
Water Details		Hole Diameter		Q	l	_	
Water found at Depth Kind of Water: Fresh Unteste		pth ( <i>m/ft</i> ) Diameter	Dec	$\Gamma$		$\left( \right)$	)
(m/ft) Gas Other, specify	From	To (cm/in)		l		$\P$	
Water found at Depth Kind of Water: Fresh Unteste	»d	° Br 64		1		V	
( <i>m/ft</i> ) Gas Other, <i>specify</i> Water found at Depth Kind of Water: Fresh Unteste				1			
( <i>m/ft</i> ) Gas Other, specify	-		I PUU	(			
Well Contractor and Well Technici	ian Inform	ation		1			
Business Name of Well Contractor	Paral Contraction Contraction	Vell Contractor's Licence No.					
Strata Soil Sampling Business Address (Street Number/Name)			0				
185 Shield's Court	l N	Nunicipality Markham	Comments:				

100 001	المتحادث المتحادث المحادث			_11		
Province	Postal Code	Business E-mail Address	and the second of the second			
	13334	2 wraconda@@	STELECON. CONT	Well owner's	Date Package Delivered	Ministry Use Only
Bus. Telephone N	o. (inc. area code) Nar	ne of Well Technician (Last	Name, First Name)	package		Audit No. Z20/91/
[ ] ] ] ] ] 4	ାଣ୍ଟା ମାନ୍ୟା 🖉 🕻	valler	bonathon	delivered	YYYYMMDD	-004014
Well-Jechnician's L	icence-No. Signature	of Technician and/or Coperac		Yes	Date Work Completed	
381	53	ille	YBU/9030/5	†	9018M2 67	ReceMAR 1 5 2019
0506E (2014/11)			Ministry's Cop	/		© Queen's Printer for Ontario, 2014
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Page 1 of 4

Personal information contained on this form is collected pursuant to sections 35-50 and 75(2) of the Ontario Water Resources Act and section 16.3 of the Wells Regulation. This information will be used for the purpose of maintaining a public record of wells in Ontario. This form and the information contained on the form will be stored in the Ministry's well record database and made publicly available. Questions about this collection should be directed to the Water Well Customer Service Representative at the Wells Help Desk, 125 Resources Road, Toronto Ontario M9P 3V6, at 1-888-396-9355 or wellshelpdesk@ontario.ca.

Well Tag Number \*

								A	246265		
Туре *											
Construction	A	bandonn	nent								
Measurement reco	orded in	: *									
✓ Metric	🗌 Ir	nperial									
1. Well Owner's	s Infor	mation									
Last Name and Firs	t Name	, or Orga	nization	is ma	andatory. *						
Last Name		-				First Na	ame				
					I						
Organization EQUITY THREE I	HOLDII	NGS INC	C./EOB	LTD.		Email A	ddress				
Current Address											
Unit Number	Street	Number <sup>•</sup>	* Stre	eet Na	ame *			City/Tow	n/Village		
Country				ſ	Province			Postal Co		lonha	one Number
CANADA		ONTARIO			rusiai U		aepiid				
2. Well Location	n										
Address of Well Lo	ocation										
Unit Number Stre 308	eet Num <mark>85</mark>	nber *	Street N HURO		me * TARIO ST.			Towr	nship		
Lot			Conces	sion			County/Dist	rict/Munic	ipality		
City/Town MISSISSAUGA							Province Ontario				stal Code ∖ 4E4
UTM Coordinates	Zone *	Easting	*	Nort	thing *		·	Municipa	al Plan and Su	blot N	Number
NAD 83	17	611496	3	482	26433	Test l	JTM in Map				
Other BH 2				1				•			
3. Overburden a	nd Bed	rock Ma	aterial *								
Well Depth *	4	.5		(m	ו)				_		
General Colour	Most C	ommon I	Material	C	Other Materials	(	General Des	cription	Depth Fro	m	Depth To
									(m)		(m)
Black					Asphalt				0		0.1
Grey		Gravel							0.1		0.3

Brown	Sand			0.3	1.5
Brown	Silt	Clay		1.5	2.1
Grey	Shale		Weathered	2.1	4.5

4. Annular Sp	4. Annular Space *												
Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed										
(m)	(m)		(cubic metres)										
0	0.3	CONCRETE	0.01										
0.3	2.7	BENTONITE CHIPS	0.08										

5. Method of Constr	ruction *					
	Rotary (Conventional)	Rotary (Reverse)	🖌 Boring	Air percu	ussion 🗌 D	amond
	Driving 🗌 Digging	Rotary (Air)		g 🗌 Direct P	ush	
Other (specify)						
6. Well Use *						
Public	Industrial	Cooling & Air Co	onditioning			
Domestic	Commercial	Not Used				
Livestock	Municipal	Monitoring				
Irrigation	🖌 Test Hole	Dewatering				
Other (specify)						
7. Status of Well *						
Water Supply	Replaceme	nt Well	Test Hole			
Recharge Well	Dewatering	Well	Observatior	n and/or Monit	oring Hole	
Alteration (Construc	ction) 🗌 Abandonec	l, Insufficient Supply	Abandoned	, Poor Water (	Quality	
Abandoned, other (	specify)					
Other (specify)						
8. Construction Rec	cord - Casing * (use	e negative number(s) to	indicate depth	above ground	l surface)	
Inside	Open Hole or Materia	al (Galvanized, Fibregla	ass, V	Vall	Depth From	Depth To

Diameter	Concrete, Plastic, Steel)	Thickness	Depth From	Depth To
(cm)			(m)	(m)
5.1	Plastic	0.65	0	3

#### 9. Construction Record - Screen Outside Slot Material Depth From (Plastic, Galvanized, Steel) Depth To Diameter Number (cm) (m) (m) Plastic 10 3 6.4 4.5

10. Water Det	tails														
Water found at	Depth		(m)	Gas Kir	nd of Wat	ter [	Fres	h [	🗸 Untes	sted	Other (	specify)			
11. Hole Dian	neter														
D	epth Fror	n			Dept	h To						Diamete	r		
	(m)			(m)							(cm)				
	0				4.	5						21			
12. Results o	f Well Y	ield Te	esting												
Pumping Dis	scontinue	ed													
Explain															
If flowing give ra	ate														
Flowing					(I	_/mir	ו)								
Draw down*															
Time (min)	Static Level	1	2	3	4		5	10	15	20	25	30	40	50	60
Water Level (m)															
Recovery*				1			1		•	1	1	•			4
Time (mir	ו)	1	2	3	4	5	10	0	15	20	25	30	40	50	60
Water Lev (m)	'el														
After test of we	ll yield, w	ater wa	S												
Clear and sa	and free	Oth	ner (spe	cify)											
Pump intake se	t at Pun	nping ra	ite	Duratio	n of pum	ping			Final water level end of pumping Disinfected? *					?*	
	(m)		(L/min)		hrs +		r	min				(m)		]Yes 📘	🖊 No
Recommended	pump de	epth	Recom	mended	pump ra	te	Well pro	oduc							
(m) (L/min) (L/min)															
13. Map of W	ell Loca	tion *													
Map 1. Please Cl	ick the ma	ap area b	pelow to i	mport an	image file	to us	se as the	e ma	p.	🗌 Ma	ke map a	area bigo	ger		



14. Information	
Well owner's information package delivered	Date Work Completed (yyyy/mm/dd) * 2019/04/08
Comments	

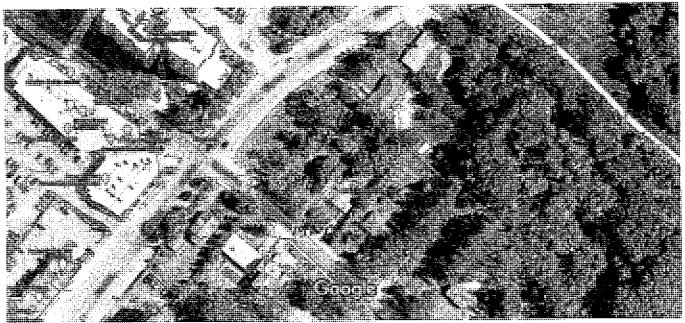
15. Well Cont	ractor and We	ell Te	chnician	Information						
Business Name	of Well Contrac	tor *				Well Cont	ractor's Licens	e Number *		
Geo-Environm	ental Drilling Ir	nc.				6607				
Business Add	ress									
Unit Number	Street Number	18	Street Nam	e *						
	1	ľ	Mansewoo	od Court						
City/Town/Villag	own/Village * Province Postal Code *							Postal Code *		
Halton Hills					Ont	ario		L7J 0A1		
Business Telep	hone Number	Busi	ness Email	Address						
905-876-3388		dgur	nn@geo-e	nvironmentaldrilling.com						
Last Name of W	/ell Technician *			First Name of Well Technic	cian *		Well Technician's License Number *			
PAQUETTE				JEFF			2386			
16. Declaratio	on *									
✓ I hereby con and accurate		e pers	son who co	nstructed the well and I her	eby c	onfirm that	the informatio	on on the form is correct		
Last Name			First Na	ime		Email Add	lress			
PAQUETTE			JEFF			romana@	geo-environ	mentaldrilling.com		
Signature						Date Subi	nitted (yyyy/m	m/dd)		
Jeff Pag	luette			signed by Jeff Paquette			2019/	05/09		
	uctic		Date: 20	019.05.09 14:56:02 -04'00'			2010/			
17. Ministry L	lse Only									
Audit Number										
BALY VF8S										

	Ministry o	of the Environment	Well Tag	No. (Place Sticker and	/or Print Below)	75-2	5112 W	ell Re	ecord
	tario Conserva ts recorded in: 🗆 Me	tion and Parks tric <b>V</b> Imperial	-		ag#:A2	91838 <sup>ion 9</sup>	03 Ontario Wat Page		of
tidestamentationamoni/75202/anner	r's Information				E-mail Addre	ss		1 Well C	onstructed
First Name		st Name / Organiza	f MIS	<u>Sissauga</u>	Province	Postal Code		by Well	l Owner
	ss (Street Number/Name		Mu	nicipality MISS	<u>6</u> N	L5B30			
Well Location				vnship		Lot		1	
2515	5 Sherac	1 6.00					Province	Postal	Code
County/Distric	t/Municipality /			y/Town/Village	55,55 <u>644</u> 6		Ontario	11	7242
	ates Zone Easting	Northing	611617 Mu	nicipal Plan and Sublot	Number	1	Other		
NAD 8	and Bedrock Materia	IS/Abandonment			back of this forπi)			Dept	h ( <i>m/ft</i> )
General Cold	our Most Comm	on Material	Othe	r Materiais		General Description		From	3
Brown		4		Sand				3	
<u>Browr</u>	Si la	<i>f</i>		and d				14	18
Ong									
									<u></u>
									<u> </u>
									+
<u> </u>									
		Annular Space	A CARGO CARGO AND A DESCRIPTION OF A DES			n feld tel and her and the second for the second	Il Yield Testing	area and a second	ecovery
Depth Set From	at ( <i>m/ft</i> ) To	Type of Sealant Us (Material and Type		Volume Placed (m³/ft³)	Ciear and s		Time Water Lev (min) (m/ft)		Water Level (m/ft)
0	.5	Contre			If pumping disco	ntinued, give reason:	Static		
15	7'	ho lept 4	9				1	1	
	18	Sind			Pump intake set	: at (m/ft)	2	2	
			Well Use		Pumping rate (1/	min / GPM)	3	3	
Cable Tool	_			cial 🗌 Not used	Duration of pum	ping	4	4	
Rotary (Co	· · · · · · · · · · · · · · · · · · ·	Domestic	Test Hole		hrs +	min	5		
Boring	sion Dieging	Imigation		& Air Conditioning		l end of pumping (m/ft)		10	
Other, spe	<u> </u>	Other, spe ecord - Casing	· · · · · · · · · · · · · · · · · · ·	Status of Well	If flowing give ra	te (Vmin / GPM)	20	15 20	
Inside Diameter	Open Hole OR Material (Galvanized, Fibreglass,		Depth ( <i>m/ft</i> )	Water Supply Beplacement Well	Recommended	pump depth (m/ft)	25	25	
(cm/in)	Concrete, Plastic, Steel)	(cm/in) Fro		Test Hole	Recommended	pump rate	30	30	
d'	PUC	,1d5 0	O		(I/min / GPM)		40	40	
				Observation and/or Monitoring Hole	Well production	(Vmin / GPM)	50	50	
				(Construction)	Disinfected?	No	60	60	
	Construction R	ecord - Screen		Insufficient Supply Abandoned, Poor			ell Location		
Outside Diameter	Material (Plastic, Galvanized, Steel)	Slot No.	Depth ( <i>m/ft)</i> om To	Water Quality	Please provide	a map below followi	ng instructions of	i the baci	ς.
(cm/in)	PVc	10 0	-1 12	specify		_	_		
<i>A.a</i> <sub>2</sub>				Other, specify		S.	ie i WC	Ma	Л
	Considering the second second second state of the second s Second second s Second second s Second second s Second second se	the second s	Research server a description of	lole Diameter	į.	- (	e.	- 7	
Water found (m)	at Depth Kind of Wate /ft) □Gas □Other, sp	r:	From	th ( <i>m/ft</i> ) Diameter		$\mathcal{M}$	alr.		
	at Depth Kind of Wate	r: Fresh Uni	tested	13' 6'					
	/ft) Gas Other, spectra of Wate		tested						
(m.	/ft) Gas Other, sp	ecify or and Well Tech		 Ion	<u> </u>				
Business Na	ame of Well Contractor trata Soll Sa	uge speciel angles and a state of the state	and share with a subject to the particular of the other	ell Contractor's Dicedce No.	1)				
	29 RingWO			touffville	Comments:				
				· · · · · · · · · · · · · · · · · · ·	╢	<u>.</u>	<u> </u>	<u>.                                    </u>	
C	N LAASC	1 1		asoil.com	Well owner's	Date Package Deliver			
	13740/717	ame of Well Techn			package delivered	Y     Y     Y     M     M       Date Work Complete	a kase	Stander S	4740
	ian's Licence No. Signatu	e of Technician and	i/or Contractor Da	te Submitted	) [] Yes ] [] No	· ·		<b>2</b> 0 252	<b>J</b>
0506E (2018/*	<u> </u>		<u>F</u> r	Ministry's Copy					for Ontario, 2018

Ministry's Copy

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# Gogle Maps 2515 Shepard Ave



Imagery ©2020 First Base Solutions, Maxar Technologies, Map data ©2020 20 m

C-AUI 235A40

MAY 2 0 2023

https://www.google.ca/maps/place/2515+Shepard+Ave,+Mississauga,+ON+L5A+2H7/@... 29/04/2020



Personal information contained on this form is collected pursuant to sections 35-50 and 75(2) of the Ontario Water Resources Act and section 16.3 of the Wells Regulation. This information will be used for the purpose of maintaining a public record of wells in Ontario. This form and the information contained on the form will be stored in the Ministry's well record database and made publicly available. Questions about this collection should be directed to the Water Well Customer Service Representative at the Wells Help Desk, 125 Resources Road, Toronto Ontario M9P 3V6, at 1-888-396-9355 or wellshelpdesk@ontario.ca.

								Well Tag Nu	mber *	
								A 308294		
Type *										
Construction	ו 🗌 א	Abandonn	nent							
Measurement	recorded i	า: *								
Metric	✓	mperial								
1. Well Own	er's Infor	mation								
Last Name and	First Name	, or Orga	nization is	mandatory. *						
Last Name					First N	ame				
Organization Emblem Deve	lopments				Email /	Address				
Current Addre	ss		_							
Unit Number	Street	Number <sup>3</sup>	* Stree	t Name *	City/Town/Village					
Country				Province			Postal	Code	Telephone Number	
2. Well Loca	tion			1						
Address of We	ell Location	1								
Unit Number	Street Nur <mark>90</mark>	nber *	Street Na Dundas	ime * Street East			То	wnship		
Lot			Concessi	on		County/Dist	rict/Mur	nicipality		
City/Town Mississauga					Province Pos Ontario		Postal Code			
UTM Coordinat	es Zone *	Easting	*	Northing *			Munici	ipal Plan and	Sublot Number	
NAD 83	17	611907	7	4826370	Test	UTM in Map				
Other										

3. Overburden and Bedrock Material *									
Well Depth *	20	(ft)							
General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To				

				(ft)	(ft)
Brown	Fill		Loose	0	15
Grey	Clay	Till	Packed	15	20

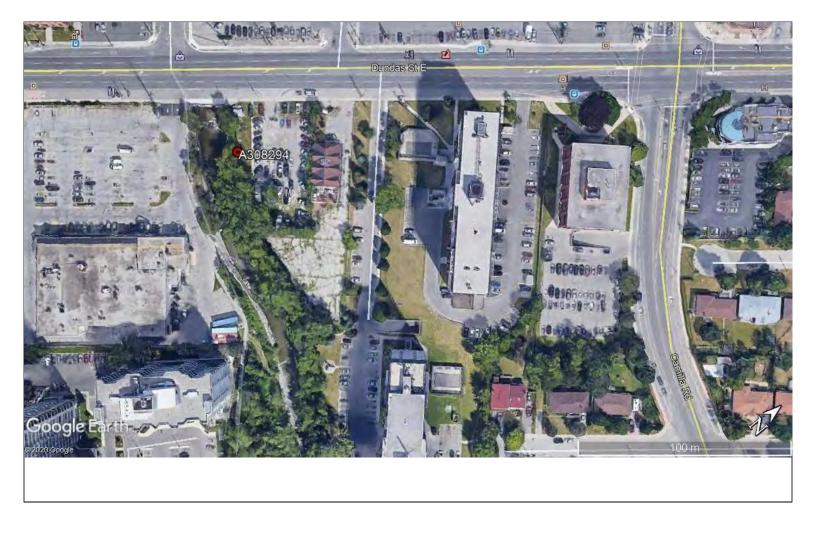
4. Annular Space *										
Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed							
(ft)	(ft)		(cubic feet)							
0	9	Bentonite	1.5							
9	20	Sand Pack	1.8							

5. Method of Construction *									
Cable Tool R	totary (Conventional)	Rotary (Reverse)	) [	Boring Air perc	ussion 🗌 Dia	amond			
Jetting D	Priving 🗌 Digging	Rotary (Air)		🗸 Augering 🗌 Direct P	ush				
Other (specify)									
6. Well Use *									
Public	Industrial	Cooling & Air C	Condit	tioning					
Domestic	Commercial	Not Used							
Livestock	ivestock Municipal 🖌 Monitoring								
Irrigation	Test Hole	Dewatering							
Other (specify)									
7. Status of Well *									
Water Supply	Replaceme	ent Well	٦ 🗌	Test Hole					
Recharge Well	Dewatering	Well	<ul> <li>(</li> </ul>	Observation and/or Moni	toring Hole				
Alteration (Construc	tion) 🗌 Abandoned	I, Insufficient Supply	<u> </u>	Abandoned, Poor Water	Quality				
Abandoned, other (s	specify)								
Other (specify)									
8. Construction Record - Casing * (use negative number(s) to indicate depth above ground surface)									
Inside Diameter		al (Galvanized, Fibregi , Plastic, Steel)	lass,	Wall Thickness	Depth From	Depth To			

	Diameter	Concrete, Plastic, Steel)	Thickness	Doparrioni	Doptilio
_	(in)			(ft)	(ft)
	2	Plastic	0.2	0	10
-					

9. Construction Record - Screen									
Outside	Material	Slot							
Diameter	(Plastic, Galvanized, Steel)	Number	Depth From	Depth To					
(in)			(ft)	(ft)					
2.5	Plastic	10	10	20					

10. Water Det	aile													
				0	Kind of									
Water found at	Depth		(ft)	Gas	Kind of w	ater	Fresh	n 🗌 l	Intested		ther			
11. Hole Diam	neter													
De	epth Fror	n		Depth To				Diameter						
	(ft)				(ft)						(in)			
0					20						7.5			
			I											
12. Results o	f Well Y	ield Te	esting											
Pumping Dis	scontinue	ed												
Explain														
If flowing give ra	ate													
Flowing					(G	PM)								
Draw down														
Time (min)	Static Level	1	2	3	4	5	10	15	20	25	30	40	50	60
Water Level (ft)														
Recovery			ł				•	1	1		1			
Time (mir	ı)	1	2	3	4	5	10	15	20	25	30	40	50	60
Water Lev (ft)	el													
After test of wel	l yield, w	ater wa	IS		II		1 1							
Clear and sa	and free	Ot	ner (spec	cify)										
Pump intake se	t at Pum	nping ra	ate	Duratio	n of pump	ng		Final w	ater leve	I end of	pumping	g Dis	infected	? *
	(ft)		(GPM)		hrs +		min				(ft)		Yes 🔽	No
Recommended	pump de	epth	Recom	mended	pump rate	:  W	ell produc	tion						
		(ft)			(GPM	)			(GPM)					
13. Map of We	ell Loca	tion *												
Map 1. Please Cl	ick the ma	ap area l	below to i	mport an	image file t	o use	as the ma	р.	🖌 Mał	ke map a	area bigo	ger		



14. Information		
Well owner's information package delivered	Date Package Delivered (yyyy/mm/dd)	Date Work Completed (yyyy/mm/dd) * 2020/10/22
Comments		

15. Well Contractor and Well Technician Information								
Business Name Davis Drilling	e of Well Contrac <mark>Ltd</mark>	tor *	Well Contractor's License Number * 7472			e Number *		
Business Add	ress			•				
Unit Number	Street Number 873	Street Nam Nipissing F	*					
City/Town/Villag Milton	ge *			Province Postal Code L9T 4Z4			Postal Code * L9T 4Z4	
Business Telephone Number 905-299-6915 Business Emai davisdrilling@								
Last Name of V Borsellino	Vell Technician *		First Name of Well Technician * Nicholas		-	Well Technician's License Number * 3579		
16. Declaratio	16. Declaration *							

I hereby confirm that I am the person who constructed the well and I hereby confirm that the information on the form is correct and accurate.

Last Name Borsellino	First Name Nicholas	Email Address davisdrilling@bellnet.ca		
Signature		Date Submitted (yyyy/mm/dd)		
Nicholas Borsellino	Digitally signed by Nicholas Borsellino Date: 2020.11.23 08:27:50 -05'00'	2020/11/23		
17. Ministry Use Only				
Audit Number				
OTWV PHOK				



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							Well Tag N	lumber *	
							A 307705		
Туре *									
Construction	ח 🗌 A	bandonm	ent						
Measurement	recorded in	: *							
Metric	🖌 Ir	mperial							
1. Well Own	er's Infor	mation							
Last Name and	First Name	, or Orgar	nization is	s mandatory. *					
Last Name					First N	ame			
Organization Email Address DBV Real Estate Investments Inc.									
<b>Current Addre</b>	SS								
Unit Number	Street	Number *	Stree	et Name *		(	City/Town/Village		
Country				Province Ontario		F	Postal Code	Telephone Number	
2. Well Loca	tion								
Address of We	II Location								
Unit Number	Street Num 3026		Street Na <mark>Kirwin A</mark>				Township		
Lot	L		Concess	ion		County/Distri	ict/Municipality		
City/Town Mississauga						Province Postal Coc Ontario			
UTM Coordinat	es Zone *	Easting *	•	Northing *			Municipal Plan an	d Sublot Number	
NAD 83	17	611938	5	4826579	Test	UTM in Map			
Other									

3. Overburden and Bedrock Material *								
Well Depth * 22 (ft)								
General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To			

				(ft)	(ft)
Brown	Gravel	Sand		0	15
Blue	Shale		Weathered	15	22

4. Annular Space *									
Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed						
(ft)	(ft)		(cubic feet)						
0	11	Bentonite Chip	3.52						
11	22	No. 2 Sand	3.52						

5. Method of Constr	ruction *					
Cable Tool	Rotary (Conventional)	Rotary (Reverse)	🗸 Boring	Air percu	ussion 🗌 Dia	amond
Jetting D	Driving 🗌 Digging	Rotary (Air)	Augering	Direct P	ush	
Other (specify)						
6. Well Use *						
Public	Industrial	Cooling & Air Co	nditioning			
Domestic	Commercial	Not Used				
Livestock	Municipal	Monitoring				
Irrigation	Test Hole	Dewatering				
Other (specify)						
7. Status of Well *						
Water Supply	Replaceme	ent Well	Test Hole			
Recharge Well	Dewatering	Well [	Observation	and/or Monit	oring Hole	
Alteration (Construct	tion) 🗌 Abandoned	I, Insufficient Supply [	Abandoned,	Poor Water (	Quality	
Abandoned, other (	specify)					
Other (specify)						
9 Construction Doc	and Casing * (		indicate dentity			
8. Construction Rec				ibove ground	surface)	
Inside Diameter		al (Galvanized, Fibregla . Plastic. Steel)		all mess	Depth From	Depth To

Diameter	Concrete, Plastic, Steel)	Thickness	Depth From	Depth To
(in)			(ft)	(ft)
2	Plastic	0.15	0	12

9. Construction Record - Screen									
Outside	Material	Slot							
Diameter	(Plastic, Galvanized, Steel)	Number	Depth From	Depth To					
(in)			(ft)	(ft)					
2.3	Plastic	10	12	22					

10. Water Det	tails													
Water found at	Depth 17	7.5	(ft)	Gas	Kind of v	water	Fres	h 🗌 l	Intested	0	ther			
11. Hole Diam	neter													
De	epth Froi	n			Depth	n To					Diamete	er		
	(ft)				(ft	)					(in)			
0					22	2					8			
								•						
12. Results o	f Well Y	′ield Te	esting											
Pumping Dis	scontinue	ed												
Explain														
If flowing give ra	ate													
Flowing					(C	GPM)								
Draw down						_								
Time (min)	Static Level	1	2	3	4	5	10	15	20	25	30	40	50	60
Water Level (ft)														
Recovery							I		-1			1	1	1
Time (mir	ו)	1	2	3	4	5	10	15	20	25	30	40	50	60
Water Lev (ft)	rel													
After test of wel	l yield, w	vater wa	S											
Clear and sa	and free	Oth	ner (spec	cify)										
Pump intake se	t at Pur	nping ra	ite	Duratio	n of pump	bing		Final wa	ater leve	I end of	pumping	g Dis	infected	? *
	(ft)		(GPM)		hrs +		min				(ft)		Yes 🗸	No No
Recommended	pump de	epth	Recom	mended	pump rat	e V	Vell produc	ction						
		(ft)			(GPN	/I)			(GPM)					
13. Map of We	ell Loca	ation *												
Map 1. Please Cl	ick the m	ap area l	pelow to i	mport an	image file	to use	e as the ma	ap.	□ Mal	ke map a	area biq	aer		



14. Information									
Well owner's information package delivered ✓ Yes □ No	Date Package Delivered (yyyy/mm/dd) 2021/01/25	Date Work Completed (yyyy/mm/dd) * 2020/12/09							
Comments 56946-bh1									

15. Well Con	ntractor and We	II Tech	nnician	Information							
	Business Name of Well Contractor * Altech Drilling & Investigative Services							Well Contractor's License Number * 7282			
Business Add	dress										
Unit Number Street Number Street Name * 410 Pinebush Road											
City/Town/Village * Cambridge						vince t <mark>ario</mark>		Postal Code * N1T 1Z6			
Business Telephone Number Business Email Address 519-650-5557											
Last Name of Well Technician *				First Name of Well Technician * Brandon		Well Technician's License Number * 4021					
16. Declarati	ion *										
✓ I hereby co and accura		e perso	n who co	nstructed the well and	hereby o	confirm tha	at the informati	on on the form is correct			
Last Name <mark>Stranz</mark>			1			Email Address bstranz@altechworld.com					
Signature						Date Sub	mitted (yyyy/n	nm/dd)			
				v signed by Brandon Stra 021.01.25 08:12:40 -05'0			2021/01/25				
17. Ministry	Use Only										
Audit Number KCE2 XI4N											



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							Well Tag Nu	mber *		
									A 307718	
Туре *								_		
Constructior	ר [		bandonn	nent						
Measurement	recorde	d in	• *							
Metric		🗸 In	nperial							
1. Well Own	er's In	forr	nation							
Last Name and	First Na	ame,	or Orga	nization is	mandatory. *					
Last Name						First N	ame			
Organization Email Address DBV Real Estate Investments Inc.										
Current Address										
Unit Number	Str	eet N	Number '	* Stree	t Name *	City/Town/Village				
Country					Province Ontario			Postal (	Code	Telephone Number
2. Well Loca	tion									
Address of We	ell Loca	tion								
Unit Number	Street I 3026	Num	ber *	Street Na Kirwin A				Tov	wnship	
Lot	1			Concess	on		County/Dist	trict/Mun	icipality	
City/Town Mississauga					Province Ontario			Postal Code		
UTM Coordinates Zone * Easting * Northing *					·	Munici	pal Plan and	Sublot Number		
NAD 83	17		611926	6	4826559	Test	UTM in Map			
Other										

3. Overburden and Bedrock Material *									
Well Depth *	19	(ft)							
General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To				

				(ft)	(ft)
Brown	Gravel	Sand		0	15
Blue	Shale		Weathered	15	19

4. Annular Space *				
Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed	
(ft)	(ft)		(cubic feet)	
0	8	Bentonite Chip	2.56	
8	19	No. 2 Sand	3.52	

5. Method of Constr	uction *					
Cable Tool	Rotary (Conventional)	Rotary (Reverse)	<ul> <li>✓</li> </ul>	] Boring 🔄 Air perc	ussion 🗌 D	iamond
Jetting Driving Digging Rotary (Air) Augering Direct Push						
Other (specify)						
6. Well Use *						
Public	Industrial	Cooling & Air C	onditic	oning		
Domestic	Commercial	Not Used				
Livestock	Municipal	Monitoring				
Irrigation	Test Hole	Dewatering				
Other (specify)						
7. Status of Well *						
Water Supply	Replaceme	ent Well	Τε	est Hole		
□ Recharge Well □ Dewatering Well						
Alteration (Construction)						
Abandoned, other (specify)						
Other (specify)						
8. Construction Record - Casing * (use negative number(s) to indicate depth above ground surface)						
Inside Diameter		al (Galvanized, Fibregl Plastic, Steel)	ass,	Wall Thickness	Depth From	Depth To

Diameter	Concrete, Plastic, Steel)	Thickness				
(in)			(ft)	(ft)		
2	Plastic	0.15	0	9		
9. Construction Record - Screen						

Outside Diameter (in)	Material (Plastic, Galvanized, Steel)	Slot Number	Depth From (ft)	Depth To (ft)
2.3	Plastic	10	9	19

10. Water Det	ails													
Water found at	Depth		(ft)	Gas	Kind of w	ater	Fresh	ו 🗌 נ	Intested	0 <sup>-</sup>	ther			
			·											
11. Hole Dian	neter													
Depth From					Depth	То					Diamete	r		
(ft)					(ft)						(in)			
0					19						8			
			I					1						
12. Results o	f Well Y	ield Te	esting											
Pumping Dis	scontinue	d												
Explain														
If flowing give ra	ate													
Flowing					(GI	PM)								
Draw down		_						_				_		
Time (min)	Static Level	1	2	3	4	5	10	15	20	25	30	40	50	60
Water Level (ft)														
Recovery		-					•			•	•		-	
Time (mir	ı)	1	2	3	4	5	10	15	20	25	30	40	50	60
Water Lev (ft)	el													
After test of wel	l yield, w	ater wa	IS		II		1 1						1	I
Clear and sa	and free	Ot	ner (spec	cify)										
Pump intake set at Pumping rate		Duratio	n of pumpi	ng		Final wa	ater leve	l end of	pumping	g Dis	sinfected	? *		
	(ft)		(GPM)	PM) hrs + min (ft) Yes			Yes 🔽	No No						
Recommended pump depth Recommended pump rate Well production														
		(ft)			(GPM	)			(GPM)					
13. Map of W	ell Loca	tion *												
Map 1. Please Cl	ick the ma	ip area l	below to i	mport an	image file to	use	as the ma	p	Mał	ke map a	area bigo	ger		



14. Information								
Well owner's information package delivered ✓ Yes □ No	Date Package Delivered (yyyy/mm/dd) 2021/01/25	Date Work Completed (yyyy/mm/dd) * 2020/12/09						
Comments 56946-bh2								

15. Well Contractor and Wel	l Techniciar	n Information				
Business Name of Well Contractor Altech Drilling & Investigative				Well Contractor's License Number * 7282		
Business Address						
Unit Number Street Number Street Name * 410 Pinebush Road						
City/Town/Village * Cambridge		1	vince t <mark>ario</mark>		Postal Code * N1T 1Z6	
Business Telephone Number     Business Email Address       519-650-5557						
Last Name of Well Technician * Stranz	First Name of Well Technician * Brandon		÷	Well Technician's License Number * 4021		
16. Declaration *						
✓ I hereby confirm that I am the and accurate.	person who c	constructed the well and I h	ereby o	confirm tha	t the informati	on on the form is correct
Last Name <mark>Stranz</mark>				Email Address bstranz@altechworld.com		
Signature	I			Date Sub	mitted (yyyy/n	nm/dd)
		igitally signed by Brandon Stranz ate: 2021.01.25 08:11:31 -05'00'		2021/01/25		
17. Ministry Use Only						
Audit Number 22K9 P6LU						



### **Notice of Collection of Personal Information**

Personal information contained on this form is collected pursuant to sections 35-50 and 75(2) of the Ontario Water Resources Act and section 16.3 of the Wells Regulation. This information will be used for the purpose of maintaining a public record of wells in Ontario. This form and the information contained on the form will be stored in the Ministry's well record database and made publicly available. Questions about this collection should be directed to the Water Well Customer Service Representative at the Wells Help Desk, 125 Resources Road, Toronto Ontario M9P 3V6, at 1-888-396-9355 or wellshelpdesk@ontario.ca.

Fields marked with an asterisk (\*) are mandatory.

							Well Tag N	lumber *
							A 307719	
Туре *								
Constructior	ח 🗌 A	bandonm	ent					
Measurement	recorded in	: *						
Metric	🖌 Ir	mperial						
1. Well Own	er's Infor	mation						
Last Name and	First Name	, or Orgar	nization is	mandatory. *				
Last Name					First N	ame		
Organization DBV Real Esta	ate Investn	nents Inc			Email /	Address		
Current Addre	SS							
Unit Number	Street	Number *	Stree	t Name *		(	City/Town/Village	
Country				Province Ontario			Postal Code	Telephone Number
2. Well Loca	tion			·				
Address of We	II Location							
Unit Number	Street Num 3026		Street Na Kirwin A				Township	
Lot	L		Concess	on		County/Distri	ict/Municipality	
City/Town Mississauga				Province Postal Ontario				
UTM Coordinat	es Zone *	Easting *		Northing *			Municipal Plan an	d Sublot Number
NAD 83	17	611933		4826568	Test	UTM in Map		
Other								

3. Overburden and Bedrock Material *								
Well Depth *	22	(ft)						
General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To			

				(ft)	(ft)
Brown	Gravel	Sand		0	15
Blue	Shale		Weathered	15	22

4. Annular Space *									
Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed						
(ft)	(ft)		(cubic feet)						
0	11	Bentonite Chip	3.52						
11	19	No. 2 Sand	3.52						

5. Method of Constr	5. Method of Construction *										
Cable Tool	Rotary (Conventional)	Rotary (Reverse)	🖌 Boring 🗌 Air perc	ussion 🗌 Dia	amond						
Jetting D	Driving Digging	Rotary (Air)	🗌 Augering 🗌 Direct P	ush							
Other (specify)											
6. Well Use *											
Public Industrial Cooling & Air Conditioning											
Domestic Commercial Not Used											
Livestock Municipal 🗸 Monitoring											
Irrigation	Test Hole	Dewatering									
Other (specify)											
<b>7</b> 04 4 5 44 11 *											
7. Status of Well *											
Water Supply	Replaceme	ent Well	Test Hole								
Recharge Well	Dewatering	ı Well	Observation and/or Monit	oring Hole							
Alteration (Construc	tion) 🗌 Abandoned	l, Insufficient Supply	Abandoned, Poor Water	Quality							
Abandoned, other (s	Abandoned, other (specify)										
Other (specify)											
8. Construction Rec	ord - Casing * (use	e negative number(s) to	indicate depth above ground	l surface)							
Inside Diameter	Open Hole <b>or</b> Material (Galvanized, Fibreglass, Wall Depth From De										

Diameter	Concrete, Plastic, Steel)	Thickness							
(in)			(ft)	(ft)					
2	Plastic	0.15	0	12					
9. Construction Record - Screen									

Outside Diameter (in)	Material (Plastic, Galvanized, Steel)	Slot Number	Depth From (ft)	Depth To (ft)
2.3	Plastic	10	12	22

10. Water Det	tails													
Water found at	Depth		(ft)	Gas	Kind of w	ater	Fresh	ו 🗌 נ	Intested	0 <sup>-</sup>	ther			
11. Hole Dian	neter													
De	epth Fron	n			Depth	То					Diamete	r		
(ft)				(ft)						(in)				
0					22						8			
12. Results o	f Well Y	ield Te	esting											
Pumping Dis	scontinue	d												
Explain														
If flowing give ra	If flowing give rate													
Flowing					(GI	PM)								
Draw down								_					-	
Time (min)	Static Level	1	2	3	4	5	10	15	20	25	30	40	50	60
Water Level (ft)														
Recovery			ł	1			ł				•			
Time (mir	ו)	1	2	3	4	5	10	15	20	25	30	40	50	60
Water Lev (ft)	'el													
After test of wel	l yield, wa	ater wa	IS		I I		1 1		I					
Clear and sa	and free	Ot	ner (spec	cify)										
Pump intake set at Pumping rate		Duratio	n of pumpi	ng		Final water level end of pumping Disinfected? *			? *					
	(ft)		(GPM)	PM) hrs + min (ft) Yes			Yes 🗸	No No						
Recommended pump depth Recom			Recom	mended	pump rate	We	ell produc	ction						
		(ft)			(GPM	)			(GPM)					
13. Map of W	ell Loca	tion *												
Map 1. Please Cl	ick the ma	p area l	below to i	mport an	image file to	o use	as the ma	p	Mał	ke map a	area bigo	ger		

	BH-3
Google Earth	

14. Information		
Well owner's information package delivered ✓ Yes □ No	Date Package Delivered (yyyy/mm/dd) 2021/01/25	Date Work Completed (yyyy/mm/dd) * 2020/12/09
Comments 56946-bh3		

	Well Contractor's License Number * 7282							
	vince Postal Code * tario N1T 1Z6							
Business Telephone Number     Business Email Address       519-650-5557								
chnician *	* Well Technician's License Number 4021							
hereby c	confirm that the information on the form is corre							
	Email Address bstranz@altechworld.com							
	Date Submitted (yyyy/mm/dd)							
	2021/01/25							
	On							

UTM $17 \times 6116 \times 4E$ $5 \times 48 \times 64 \times 10$ Elev. DAS ST N. Basin 247 247 15 WATEF County or District PEEL	{ WE	LL R	sion Act, 1957 ECORID Village, Town or C leted / 2 (day	49 N ROUND WATER BRA JAN 8 C 100 ONTARIO WA RESOURCES COMM MISS City (70 2 MONTARIO MONTARIO WA MONTARIO MONTARIO MONTARIO MONTARIO MONTARIO MONTARIO MONTARIO MONTARIO MONTARIO MONTARIO MONTARIO MONTARIO MONTARIO MONTARIO MONTARIO MONTARIO MONTARIO MONTARIO MONTARIO MONTARIO MONTARIO MONTARIO MONTARIO MONTARIO MONTARIO MONTARIO MONTARIO MONTARIO MONTARIO MONTARIO MONTARIO MONTARIO MONTARIO MONTARIO MONTARIO MONTARIO MONTARIO MONTARIO MONTARIO MONTARIO MONTARIO MONTARIO MONTARIO MONTARIO MONTARIO MONTARIO MONTARIO MONTARIO MONTARIO MONTARIO MONTARIO MONTARIO MONTARIO MONTARIO MONTARIO MON	ER ISSION ISSAUGA S-5 year)		
Casing and Screen Record				ping Test			
Inside diameter of casing 6." Total length of casing 22 FT Type of screen Length of screen Depth to top of screen Diameter of finished hole 6."		Test-pum Pumping Duration Water cl Recomm	Static level       10       FT         Test-pumping rate       10       G.P.M.         Pumping level       10       G.P.M.         Duration of test pumping       4       H & S         Water clear or cloudy at end of test       C L L A R         Recommended pumping rate       10       G.P.M.         with pumping level of       10				
Well Log			Wa	ter Record			
Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	No. of feet water rises	Kind of water (fresh, salty, sulphur)		
PRODUCTION       PRODUCTION         BLUE       SHIPLE			In diagram below	ation of Well w show distances ne. Indicate nor	of well from th by arrow.		
Is well on upland, in valley, or on hillside? UP LANA Drilling Firm D. H. MANA Address <u>494 LBKaSKON</u> Licence Number <u>113</u> Licence Number <u>113</u> Name of Driller <u>T. P. Markan</u> Address Date <u>Markan</u> (Signature of Licensed Drilling Contractor Form 5 15M-58-4149	>50x 5		road and lot $\lim_{x \to \infty} \frac{1}{N, D} \cdot S \cdot \frac{N}{N, D} \cdot \frac$	75'0 - 1000'	CSS.S8		

	Ainistry of he Environment		0276(	23	It number below)	NAYLON VANGSSA Regulation 903	Ontario	Wel	I Re	ecord
Instructions for Completin	a Form	A02	276	03		gune 30	105	pa	age	of
<ul> <li>For use in the Province of Ontario only. This document is a permanent legal document. Please retain for future reference.</li> <li>All Sections must be completed in full to avoid delays in processing. Further instructions and explanations are available on the back of this form.</li> <li>Questions regarding completing this application can be directed to the Water Well Management Coordinator at 416-235-6203.</li> <li>All metre measurements shall be reported to 1/10<sup>th</sup> of a metre.</li> <li>Please print clearly in blue or black ink only.</li> </ul>										
Well Owner's Information	· · · · · · · · · · · · · · · · · · ·	Well Informa	I CONSERVENT	MÜN		N			.ОТ	
First Name	Last Name MISSIS	CAN A	Mailir	ng Address	s (Street Numbe	er/Name, RR,Lot,Conc シンプパモー Dイ	ession) RIVE	*		
County/District/Municipality	Townshi	p/City/Town/Vill	age	Pro	ovince Posta	I Code Tele	phone N	lumber (i	nclude	area code)
Address of Well Location (County/	District/Municipality)	SISSAUG	Town		ntario LS	B 3C1 90	75-	896 Conces		136
PEEL				•						
RR#/Street Number/Name	/E		Cit	v/Town/Vil	SSAUGA	Site/Compa	irtment/E	Block/Tra	ict etc	
GPS Reading NAD Zong		Northing	Un	it Make/M	odel Mode	of Operation: 🗌 Und	ifferentiate		Avera	ged
Log of Overburden and Be	drock Materials	(see instruct		- 400	NAIC		erentiated,	specity		
General Colour Most common I	material	Other Material	s			I Description		Dept Fro		Metres To
GREY SILT	· ·				CLAYS	MALE FRAG	MENT	; C		7.6
						-				
					~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~					
	• • .	<del>.</del>								
		· · · · · ·								
								ļ		
					<u> </u>			*		
						· · · · · · · · · · · · · · · · · · ·				
Hole Diameter		Construct	tion Record	la se at		Tes	t of We	ll Yield		
Depth Metres Diameter	Inside	I	Wall	Depth	Metres	Pumping test method		Down		covery
From To Centimetres	diam Mate centimetres	- un	ckness	From	То			ater Level Metres	nine min	Water Level Metres
0 7.6 13		Cas	ing			Pump intake set at - (metres)	Static Level			
	Steel	Fibreglass		•		Pumping rate - (litres/min)	1		1	
Water Record		- 1. •	4	U	45	Duration of pumping	2		2	
Water found at 4 Metres Kind of Water		Fibreglass				hrs + min				
4.5 m Fresh Sulphur						Final water level end of pumping metres	3		3	
Gas Salty Minerals	Galvaniz					Recommended pump type.	4		4	
m Fresh Sulphur		Fibreglass Concrete			· · ·	Shallow Deep Recommended pump	5		5	
Gas Salty Minerals		- 1				depthmetres				
m Fresh Sulphur Gas Salty Minerals	Outside		reen			Recommended pump rate. (litres/min)	10 15		10 15	
Gas Salty Minerals	Outside diam Steel	_	lot No.	1 m	71	If flowing give rate -	20		20	
After test of well yield, water was			02	1.5	1.6	fitres/min)	25 30		25 30	
Other, specify		No Casin	g or Scree	<b>1</b>		ued, give reason.	40		40	
Chlorinated Yes ANo	Open ho	ble		Sec. 31.			50 60		50 60	
	aling Pecord	Annular space		donment			•		00	
Plugging and Se Depth set at - Metres Material and typ	e (bentonite slurry, neat o	<b>-</b>	Volume I	Placed		w show distances of well fr		lot line, a	ind bui	ding.
Prom To CON	IPRETE		(cubic m	<del>uus)</del>	Indicate north by			+ 1	•	
3 4.0 BEN	TONITE					RWIN AVE		TAC	"7	- 7
					5	•				
	······				NT		24	6	RIV	ER
	lethod of Construc	tion			A		17-			
Cable Tool Rotary (	(air)	Diamond		igging						
Retary (conventional)       Air percussion       Jetting       Other       Other       Other         Retary (reverse)       Aboring       Driving       Other       Other       Other       Other										
Water Use										
Domestic     Industrial     Public Supply       Stpck     Commercial     Not used         DUNDAS     ST										
Irrigation Municip	al 📋	Cooling & air con	ditioning '		Audit No. 7	32255	te Well C	ompleted	Y	
Water Supply Recharge we	Final Status of We		Abandone	d, (Other)	Was the well ov	vner's information Da	te Deliver	red Y	<u>&gt;  </u> m	<b>06 30</b> MM DD
		Dewatering Replacement wel	1		package delivere	ed? Yes No		· · · ·		
	tractor/Technician	Information				Ministry Us		0 0		
Name of Well Contractor	TAL DRILL		ontractor's Lice	ence No.	Data Source	Co	ontre Br	d ()	7	
Name of Well Contractor GEO ENIRONAEN Business Address (street name, numb	per, city etc.) MILTON	oN	<u>v – 1</u>		Date Received	2~2 2005, DD Da	te of Insp	ection Y	YYY	MM OD
Name of Well Technician (last name, f	Name of Well Technician (last name) Well Technician's Licence No. Remarks Well Record Number									
Signature of TechniciamContractor     Date Submitted       X     X										
x Br By			ÖŚ	06 30				`		
0506E (09/03)	Contractor's C	Copy 🗌 Ministr	ry's Copy 📋	Well Ow	ner's Copy 📋	Cette f	ormule e	əst dispo	nible e	ən français

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

Ontario Ministry of the Environment

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Well Record Regulation 903 Ontario Water Resources Act
Page\_\_\_\_\_\_ of \_\_\_\_\_

County/District/ UTM Coordinates NAD   8   3	ee S Zone Easting	9714	rthing GPS	ARMINE	$\sim$		Provinc Onta Undiffer	rio	Postal	AIIW4
General Colour	Most Common	Material	Other Materia	als 🥜		General Description			Depth From	(Metres) To
black	asphal	+		[	Packed	ł		Sec. 1	0	.05
brown	gravel		medium, co sand	arse 1	Packer				05	.25
CIUCII	grave	24-21-21	sand		nene	~			~ ~	0-5
A	- 11				1.00	AND A CONTRACTOR			25	116
grey	SILT		fine sand,	gravel	Jense	2			60	6.10
5 1				0						
	wells (	SPS	2)17/611	981/48	2627			september 19		
			3)17/612		8262					
			2/11/01-		OFUN	5-				
Care	Ilant	C	aulian C	I at a						
Consu	iltant			ontrol						
Death Out of 11			nment Sealing Record	and the second se	Charles and	Results of W			-	
From To	· .	Type of Sea (Material an		Volume Plac (Cubic Metre	s) water v			w Down Water Level		Water Løvel
0 3	30 000	1				ear and sand free	(Min)	(Metres)	(Min)	(Metres)
2010	Conc	rete			sta	annot develop to sand-free ate	Static		Static	/
.30 1.5	0 bento	nite			If pump	bing discontinued, give reason:	1		1	
					Pumpi	ng test method	2	/	2	
					Pump	intake set at (Metres)	3	/	3	
Cable Tool	of Construction	d 🗌 Pu	Water Use	and the second second second		siture bet at (menoby	4	/	4	
Rotary (Conve	1000		mestic Municipal	Dewate	ering Pumpi	ng rate (Litres/min)	5/		5	
Rotary (Revers			estock Test Hole				1			
Rotary (Air)     Air percussion	Digging		gation Cooling a lustrial	Air Conditioning		on of pumping hrs + min /	10		10	
Other, specify			ner, specify	<u></u>		ater level end of pumping	15		15	
	and the second	Status of		Sector Sector	(Metres		20		20	
Water Supply	Voll Dewate	ring Well ned, Insufficie		on and/or Monitoring (Construction)	Hole Recorr	mended pump type				
Test Hole		ned, Insunicie ned, Poor Wa				nallow Deep	25		25	
Recharge Wel	I Abando	ned, other, sp	ecify		Recom	mended pump depth	30		30	
		Location	of Well		Recom	meneed pump rate	40		40	
	map below showing: ndaries, and measure	ements sufficie	nt to locate the well in relat	ion to fixed points	(Litres/	min	50		50	
- an arrow indicati	ing the North directio	n	no larger than legal size (8.	10	If flow	ng give rate	50	<u></u>	50	
	of inside of well can				(Littigis)	minj	60	1.140	60	
I To						Wate	r Details	8	1	
Well Tag	1 10		las St. Eo	+ IN	Water		of Water	-		
U	60	Duno	las St. Ea	ISI	1	1000	esh	Halty Su	Iphur	Minerals
					vvater		of Water	Salty CS	lohur	Minerals
12					Water		of Water			
<b>T</b> -			<b>→</b> 3			Metres Gas Fr	esh 🔲 S	Salty Su	liphur	Minerals
			1		Cas	ing Used Screen Use	d	Casing an	d Well	Details
	undas	C1	Fort		Galv	anized Galvanized	Dian	neter of the H	tole (Cer	timetres)
U	unaas	01,	Last		Stee		Dep	th of the Hok	a (Metres	)
Date Well Comp	leted Was the well	owner's inform	nation Date the Well R	ecord and Package	Plas	tic Fibreglass		6	10	
(yyyy/mm/dd) 2008/06/02 package delivered? Delivered to Well Owner (yyyy/mm/dd)						crete Concrete	Wall	Thickness (	Metres)	
Lusper			Technician Informati		No	Casing and Screen Used		Ch	40	sing (Metres)
Business Name o	of Well Contractor	tor and wen	No. O	pen Hole	11 1510	OF	or the Ca	and (weres)		
Atcos.	+ Sail	Drilli	na 6	2 Disinfec	ited?	Dep	th of the Cas	ing (Metr	es)	
Business Addres	s (Street No./Name,			es No		APPART		12.13		
	NY T		E-mail Address		the second se	y Use O	and the second sec	1.64	1963.5	
Province	Postal Code	Business	Audit N	z69137	Well Cor	ntractor No.				
Bus.Telephone No	. (inc. area code) Na	me of Well Te	Date R		Date of In	nspection (y	vy/mm/c	ld)		
90566	91253	Gr	]	UL' T 1 2008						
Well Technician's L	licence No. Signatu	g of Technicia	n Date	Submitted (yyyy/m/		ks		12.13		
			1							
0506E (11/2006)	NR	ype B	teen 20	08/06/09			1.13.2	1911		Ontario, 2006

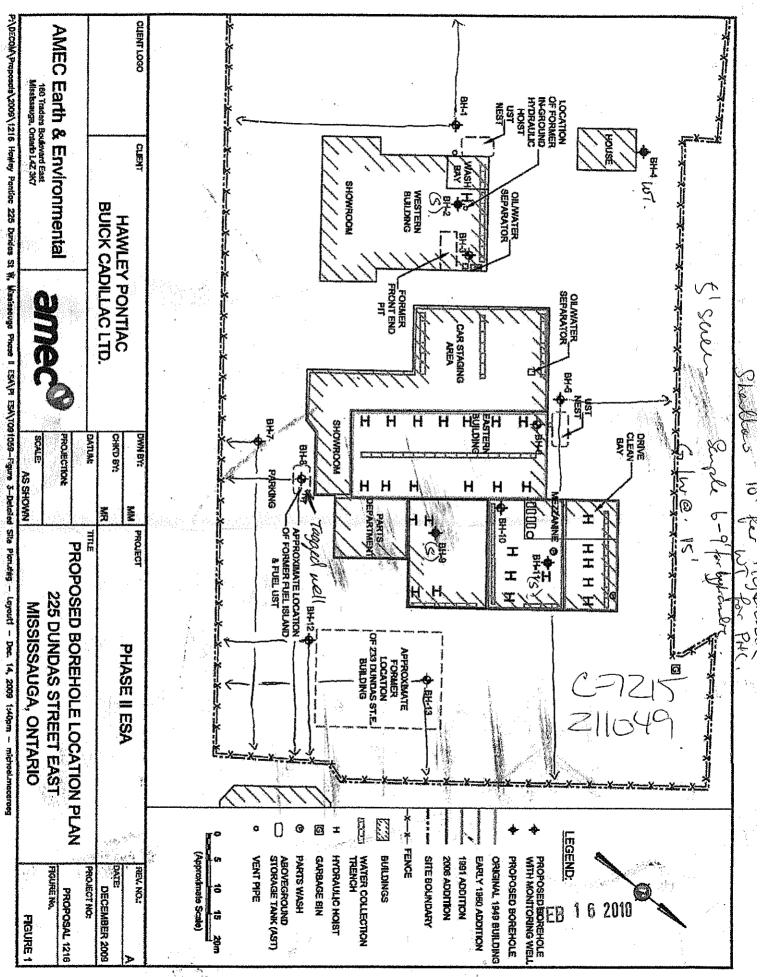
Ontario

Ministry of the Environment Well Tag No. (Place Sticker and/or Print Below)

Well Record

Regulation 903 Ontario Water Resources Act

Well Location				<u> </u>				t11
	Location (Street Nu	•	T	ownship	Lot	Concessi	on	
County/District/M	Dundas St. C Aunicipality	· · ·	c	ity/Town/Village		Province	Posta	l Code
	Zono Costinu	N a still in se		Mississaur	<u> </u>	Ontario		
UTM Coordinates	1 7 6 1 2	Northing		lunicipal Plan and Subi	ot Number	Other		
Overburden ar	d Bedrock Materi	als/Abandonmer	t Sealing Reco	rd (see instructions on the	back of this form)			
General Colour		non Material	Othe	er Materials	General Description		Dep From	oth ( <i>m/ft</i> )
BOWN	<u> </u>		Loc	K, Sand.	- Merist-		0'	51
_13voun_	Silt		Sui	rd	moist - di	γ	5'	18'
Gray	Silt	1			noist	•	18'	201
<u> </u>	weathered	ghale			moist		20'	22'
		······	1					
		AppularCase			Destriction		· · · · · · · · · · · · · · · · · · ·	
Depth Set at (/		Annular Space	sed	Volume Placed	After test of well yield, water was:	ell Yield Testin	R	lecovery
From T	το ι <i>ε</i>	(Material and Type	⇒)	(m³/ft³)	Clear and sand free	Time Water Let (min) (m/it)	vel Time ( <i>min</i> )	Water Level (m/īt)
_22_11	_	and .			If pumping discontinued, give reason:	Static		
	IDENT	onite				1	1	
l <sup>1</sup> 0	Sano	l casing, co	ncrete		Pump intake set at <i>(m/ft</i> )	2	2	
					Pumping rate (I/min / GPM)	3	3	
Method	of Construction		Well Us			4	4	
Rotary (Conve	ntional) 🔲 Jetting	Domestic	🗌 Municipa	Dewatering	Duration of pumping hrs + min	5	5	
Rotary (Revers     Boring	se) 🗌 Driving	Livestock	💓 Test Hol 🗌 Cooling 4	e 🗌 Monitoring & Air Conditioning	Final water level end of pumping (m/ft)		10	
Air percussion		☐ Industrial ☐ Other, <i>sp</i> e	ecify			15	15	
	Construction R		 A (1) (1) (1) (1) (1) (1)	Status of Well	If flowing give rate (I/min / GPM)			
	en Hole OR Material Ivanized, Fibreglass,	Wali Thickness	Depth ( <i>m/ft</i> )	Water Supply	Recommended pump depth (m/ft)	20	20	
(cm/in) Co	ncrete, Plastic, Steel)	(cm/in) Fro		☐ Replacement Well ☑ Test Hole	Recommended pump rate	25	25	
2"	Plastic	54.40 12	' O'	Recharge Well     Dewatering Wall	(l/min / GPM)	30	30	
				Observation and/or     Monitoring Hole	Well production (I/min / GPM)	40	40	<u> </u>
				Alteration (Construction)	Disinfected?	50	50	
				Abandoned, Insufficient Supply	Yes No	60	60	·····
Outside	Construction R	r	р., н. (- ня)	Abandoned, Poor	Map of W Please provide a map below following	ell Location	back	
Diamotor	Material stic, Galvanized, Steel)	Slot No.	Depth ( <i>m/ft)</i> om To	Water Quality	The se provide a map below to owing		buon.	
	plastic	10 22	1. 12'	specify				
	<u> </u>	10		Other, <i>specify</i>	See	Alfached.		
:	Water De	lails	H	ole Diameter	v			
	Depth Kind of Wate	r: 🗌 Fresh 🗌 Unte		h ( <i>m/fi</i> ) Diameter To ( <i>cm/in</i> )				
	Gas Other, species of the species of the second sec			$O^{*} Q^{*}$				
(m/ft) [	]Gas Other, spe	ecify						
	Depth Kind of Wate		ested					
(៣/៣)	Gas Other, spe	or and Well Tech	nician informat	ion				
A A	of Well Contractor			I Contractor's Licence No.				
Uro til Business Addres	e Drilling L s (Street Number/Na	י <i>וך .</i> ame)	Mu	Comments:			•••••	
149 1	Vorfinch Dr.	,	K	Jorth Yark				
			ar of land	relling com	Well owner's Date Package Delivere	d Min	istry Us	e Only
Bus.Telephone No	Postal Code /Y 3/U / Y c. (inc. area code) Na	me of Well Technic	z prostrucial cian (Last Name, I	First Name)	information	Audit No.		
41665	064444	Slocki,	lason	o Culture Hand	delivered Date Work Completed		110	A NUMBER OF A STREET OF A STREET
vveii rechnician's L	icence No. Signature	of Technician and		$\square NO 20100110$	20 FEB	620	10	



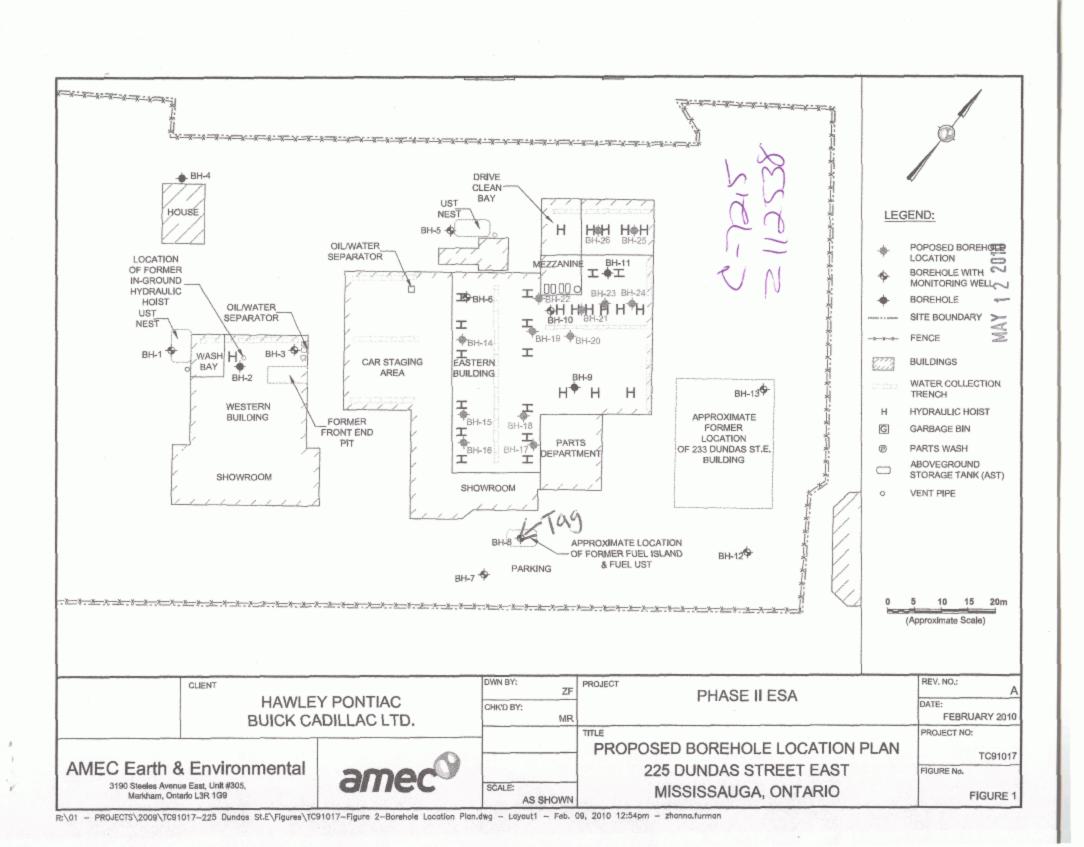
 $\Lambda_h^{-}$ 

Ontario	Ministry of the Environment	Well Tag No. (Place Sticker and/or Print Below) A 095349
Measurements recorded in	: 🗌 Metric 🔄 Imperial	1013249

POntario

Page\_ of

	Location (Street Nur	nber/Name)		Township			Lot	Concession				
County/District/		~		c	ity/Town/Village	6		Province		Postal	Code	
UTM Coordinates	s Zone , Easting	Nort	hing	M	mission unicipal Plan and	>U Subla	Ugg t Number	Onta	rio	651	4128	
NAD 8	1 1 1 1 0		82669		unicipal Plan anu -	Subic	n number	ouner				
and the second se	nd Bedrock Materia	als/Abandon	ment Sealing	Recor	d (see instructions o	on the	back of this form)		1121213	11165		
General Colour	Most Comm	on Material		Othe	er Materials		General Description	1		Depth (m/ft) From To		
	Grout									0-	12-	
											1.1.1.1.1.1.	
											1.1.1.1.1.1	
										<u>(188</u> 85		
											1.41.61	
											1	
										10	1.236	
States and	and the second	Annular S	pace	in a			Results of W	ell Yield	Testing	11998	1920 - PM	
Depth Set at ( From	( <i>m/ft</i> ) To	Type of Seala (Material and			Volume Placed (m <sup>3</sup> /ft <sup>3</sup> )	ł	After test of well yield, water was: Clear and sand free		w Down		ecovery	
1 Iom		(material and	(ype)		(11/11)		Other, specify	(min)	Nater Level (m/ft)	(min)	Water Level (m/ft)	
							If pumping discontinued, give reason:	Static Level				
								1		1	1	
							Pump intake set at (m/ft)					
								2		2		
Method	of Construction	an an an an a	W	/ell Use		111	Pumping rate (I/min / GPM)	3	STATES I	3		
Cable Tool	Diamond			Commen	cial 🗌 Not use	ed	Duration of pumping	4		4		
Rotary (Conve		Dom Lives		Municipa Fest Hole			hrs + min	5		5		
Boring	Digging				& Air Conditioning	ang a	Final water level end of pumping (m/ft)	10	8	10		
Air percussion		Indus	strial r, <i>specify</i>									
	Construction Re				Status of We	II	If flowing give rate (Vmin / GPM)	15		15		
	pen Hole OR Material	Wall	Depth (m/f	<del>t)</del>	Water Supply		Recommended pump depth (m/ft)	20		20		
	alvanized, Fibreglass, oncrete, Plastic, Steel)	Thickness (cm/in)	From	То	Replacement V	Vell		25		25		
					Test Hole     Recharge Well		Recommended pump rate (I/min / GPM)	30		30		
					Dewatering We		Committee and	40		40	Man and an	
					Observation and     Monitoring Hole		Well production (I/min / GPM)					
					(Construction)		Disinfected?	50		50		
State -					Abandoned,	.	Yes No	60		60		
	Construction R	ecord - Scree	n	EBH	Insufficient Sup		Map of W			11/172		
Outside Diameter (Pla	Material stic, Galvanized, Steel)	Slot No.	Depth (m/f	1999 A. C. S.	Water Quality Abandoned, oth	ner.	Please provide a map below following	instructio	ns on the b	ack.		
(cm/in)	out, ourraineou, outery		From	То	specify							
					Other, specify	_	SPP					
			9.134		Decommition	1_	See					
	Water Det			Н	ole Diameter		map					
	Depth Kind of Water			Deptł From	n ( <i>m/ft</i> ) Diam To ( <i>cm</i> /							
and the second design of the second se	Gas Other, spe Depth Kind of Water			2-	0 43	-						
	Gas Other, spe			-1								
	Depth Kind of Water		Untested									
(m/ft) [	Gas Other, spe											
Business Name	Well Contractor of Well Contractor	r and Well T	echnician In		ion Contractor's Licence	No.						
Profile 1	10thing			7	219	5						
a million and	ss (Street Number/Na		Comments:			1.14						
	finch DR (	Anits 4	~ 7		Vorth yorn							
Province	Postal Code	7 John	-mail Address	kar	ling		Well owner's Date Package Deliver	ed T	Minie	try Use	Only	
	lo. (inc. area code) Na		·				information		Audit No.	1 01	- 0.0	
	06444	Slocki					delivered Date Work Completed	_	z⊥	15	036	
Well Technician's	Licence No. Signature	of Technistan	and/or Contrac	ctor Date	Submitted	19	Yes	22	MAY	12	2010	
1 1	© Queen's Printer for Qeft	ario, 2007	and the second se	2	Ministry's C	9	□ NO 201003	2 9	Received	1 1 1 1 1		
					with stry s C	opy						



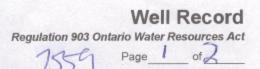


A 096787 Hag / 201 A096787

Well Record Regulation 903 Ontario Water Resources Act

Address of Well Loc	ation (Street Number/N	lame) Ment	T	ownship		Lot		Concession	1	
County/District/Mun	40 Dundas	st. Wes	it o	ity/Town/Village			Provin	ce	Posta	Code
				Leamington	Mississaug	a	Onta			
NAD 8 3		64826		Iunicipal Plan and Suble	ot Number 🗳		Other	WKQ-0	0252 - A	
	Column Protocol Proto	Name and Address of the Owner		rd (see instructions on the	back of this form)					
General Colour	Most Common Ma	aterial	Oth	er Materials	Genera	al Description			Dep From	th ( <i>m/ft</i> ) To
Hack	Kohalt	-			SOF				0	· (
brown	Sand			,	3051				.(	2.7
aney	Shale		3.74		hard			2	2-7	4.8
01										
					· · · ·					
	the second se	nular Space	N. BARREN			esults of We	-			
Depth Set at (m/ft) From To		of Sealant Used rial and Type)		Volume Placed (m³/ft³)	After test of well yield, w	The second s		aw Down Water Leve	the second se	Water Level
0.3	1 Concre	te		.0036	Other, specify		(min) Static	(m/ft)	(min)	(m/ft)
.813	Bento	Je .		10126	If pumping discontinued	l, give reason:	Level		-	
34.8	E Chi	5)		+ 0084			1		1	
1.0	51110	n Jano		- 000/	Pump intake set at (m	vit)	2	1 m	2	
Method of C	apatruction		Well Us		Pumping rate (I/min / G	GPM)	3		3	
Cable Tool		Public	Comme				4		4	
Rotary (Convention		Domestic Livestock	Municip		Duration of pumping hrs + m	in	5		5	
Rotary (Reverse)     Boring	Digging	Irrigation		& Air Conditioning	Final water level end of	pumping (m/lt)	10		10	
Air percussion		Other, specify			16 Regular alua anta da	- /0010	15		15	
	onstruction Record			Status of Well	If flowing give rate (Vm	in / GPM)	20		20	
	lole OR Material Winized, Fibreglass, Thick	all Dept	th ( <i>m/ft</i> )	Water Supply	Recommended pump	depth (m/ft)				
(cm/in) Concret	te, Plastic, Steel) (cm		То	Replacement Well	Recommended pump	rate	25		25	
9.03 Pl	K J	36 0	3.3	Recharge Well     Dewatering Well	(I/min / GPM)	late	30		30	
			at so de se	Observation and/or	Well production (I/min	/ GPM)	40		40	
				Monitoring Hole	Disinfected?		50		50	
				(Construction)	Yes No		60		60	
FOR THE PARTY	Construction Record	- Screen	The second	Insufficient Supply	Sector Sector	Map of W			11.52	
Diameter (Plastic	Material Galvanized, Steel) Slot	No. From	th ( <i>m/ft</i> )	Water Quality Abandoned, other,	Please provide a map	below following		ions on the l	back.	1
(cm/in)			To	specify	T	-2 94	~			TI
4.82 P	vc 10	7 3.3	4.8	C Other, specify	X T					
										r   ]
Water found at Dep	Water Details	resh 🗍 Untester		th (m/ft) Diameter						1th
	as Other, specify	Ican L1 offication	From	To (cmvin)	1 * 1		1			
	th Kind of Water:	resh 🗍 Untestee	10	4.8 10.9	$\  \mathbf{x} \ $				5	12
second descent discount in a second line and the second	as Other, specify th Kind of Water: F	20m		1		-1	-\$			
( <i>m/tt</i> ) □ G	as Other, specify	1 10	140	~		ë .	pier			
Business Name of V	Well Contractor and	tion Il Contractor's Licence No.	It if am	westof	teno	e	6	13		
	oil Samplin	ng Inc.	2.06	7 2 4 1	**					
	Street Number/Name) est Beaver	Creek Ro	ad Ri	Comments:	General	- c6	ntrae	tor		
Province Ontario	Postal Code Bu	siness E-mail Ad Wrecor		ratasoil.com		ackage Delivere	ed	Minis	stry Us	e Only
3us.Telephone No. (in 1905-764-	nc. area code) Name of	First Name)	delivered	Y IY M M	_	Audit No.	11	336		
	nce No. Signature of Tex		Yes Date W	fork Completed			1.4	2010		
3115	4 72	2		0100430	XNO RO	1004	28	RecMAY	21	2010
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N		
Ontario	Ministry of the Environment	Whit Tag No. (Place Sticker and/or Print Below)
Measurements recorded	_/ _M	A103044



Address of Well Location (Street Number/Name) Township									Lot	Co	oncession		
County/Dist			ere	asi	a second second second	ity/Town/Vill	-			Province	1982	Postal	Code
10711.0				41.1		MISSIS	ssaue	4		Ontar	io	11	
UTM Coordin			5924	rthing	31917	unicipal Pla	in and Sublo	t dumber		Other			
	34					d (see instru	uctions on the	back of this form)					
General Co	olour	Most Comn	non Material			er Materials		Genera	al Description			From	th ( <i>m/ft</i> ) To
Brown		Sind			gra	rel	1	2005 Dene	Se			0	1.83
Brann		Clart	adat 1		gm Solt			Dene	2		1.	85	3.1
			<u> </u>		14 2 4		5						
		<u></u>											
						1. 1. 1.	E. 1997						
			Annular	the second s	2010			After test of well yield, water was: Draw Down Recovery					
Depth Se From	t at ( <i>mvit</i> ) To		Type of Sea (Material and			(m	e Placed	Clear and sand fre		Time V			Water Level
0	031		constel	re		U.a	2005	Other, specify		(min) Static	(m/ft)	(min)	(m/ft)
0.31	1.5		csin-spel Renton	de		Jus	750	If pumping discontinued	d, give reason:	Level			
15	3.1		Sant			.0.0	505 1025. 525	Dura intellegent at (a	. 653	1		1	
	24					0.0		Pump intake set at (m	νπ)	2		2	
Meth	od of Co	onstruction			Well Us	e		Pumping rate (I/min / G	GPM)	3	1	3	
Cable To	ol	Diamono			Commer	cial	Not used	Duration of pumping		4		4	
Rotary (C		al) Jetting Driving	Dor Live		Municipa		Dewatering Monitoring		nin	5		5	
Boring		Digging			Cooling a	& Air Conditi	oning	Final water level end of	f pumping (m/lt)	10		10	1 14
ether, sp	ssion	rect p		ier, specify_			<u></u>	If flowing give rate (l/m	nin / GPM)	15	AN TENN	15	
the second second	Co	onstruction R	ecord - Cas	the same state of the same of the same state of			of Well			20	1919	20	
Inside Diameter	(Galvania	ed, Fibreglass,	Wall Thickness	From	h ( <i>m/ft)</i>   To	Water  Replace	Supply ement Well	Recommended pump	depth (m/ft)	25		25	
(cm/in)	A.	Plastic, Steel)	(cm/in)	O		Test Ho		Recommended pump	rate	30		30	10 - N. S.
3.45	VIC	1541	0.356	0	1.5	Dewate	ering Well	(Vmin / GPM)		40		40	
8							ation and/or ing Hole	Well production (l/min	/ GPM)				
						Alterati (Constr	on ruction)	Disinfected?		50		50	
-						Abando Insuffic	oned, ient Supply	Yes No		60		60	
Outside	10.000	Construction R	ecord - Scre	A CONTRACTOR OF A	h ( <i>m/ft</i> )		oned, Poor	Please provide a map I	Map of W below following	1 1 1 1 2 4 7		ack.	
Diameter (cm/in)		Material alvanized, Steel)	Slot No.	From	То	The second second second	oned, other,						
4.21	Q	aste	10	1.5	3.1	Speeny		Section 65	50	2			
					1	Other,	specify		Ja		Khor		
	1.1.1.1.1.1	Water De	tails		Н	ole Diame	ter				Show.	•	
		Kind of Wate		Untested		h ( <i>m/it</i> )   То	Diameter (cm/in)		mon	1			
		Normal Stress St		Untested		3.1	5.71						
	1000	S Other, spe							H1	030	44		
	1.	Kind of Wate		Untested									
		B Other, spe		Technicia	an Informat	ion	112111221						
Business Na	ame of We	ell Contractor											
Star Business Ar		reet Number/Na			Z	nicipality	41	Gomments:				-	
2-14		10	avera		CD-R	ichme	nduly						
Province	Section 1	Postal Code		E-mail Ad		Sil	2	Well owner's Date Pa	aekaga Daliyar		Minio	try llos	Oply
Bus.Telepho	ne No. (inc	HBIC	ame of Well T	echnician (	Last Name,	First Name)	om	information	ackage Delivere	-> TA	Audit No.	try Use	
2051	16414	e No. Signature	Muit,	Mi	he			delivered Date W	Y Y M M		z⊥	19	050
34	14	Shall	h. h	27	- 20	DUDO		Yes Ro	1 DOGE	216		16	2010
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Ministry of the Environment	A103036
: Metric Imperial	

Dontario

Measurements recorded in:

Print Below)

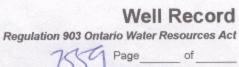
Well Record Regulation 903 Ontario Water Resources Act Mg Page 2 of 2 759

Address of V	Vell Locatio	on (Street Nur	nber/Name)	5.1	То	wnship			Lot	(	Concessio	n	
County/Distr		Jas y	ner 1	Fast	Cit	y/Town/Villa	de			Provinc	e	Postal	Code
County/Distr	neowiunicip	Janty			0	MISSI		24		Onta			111
UTM Coordin	nates Zone			thing		unicipal Plan	and Sublo	t Number		Other			
NAD				- V.	414								
		And a start of the	als/Abandor non Material	nment Sea		d (see instruct r Materials	ctions on the	back of this form) Genera	al Description	<u> </u>			h ( <i>m/ft</i> )
General Col	our	a 1	non material					1.	ar Deseription			<i>Prom</i>	1.07
prom	^	Sand			Sold	1		(Jose					1.0
Grey	<u></u>	Clay			5510	-		Dense				1.87	3.37
	2.												
								1.10					
	100												
	1												
	1946												
		11.1.1.1.1.1.1	Annular	Space		13122122		R	esults of W	ell Yiel	d Testing	3	
Depth Set			Type of Sea	lant Used		Volume (m <sup>3</sup> )		After test of well yield, v			aw Down		ecovery Water Level
From	To 0.31	1	(Material and					Clear and sand fro	80	Time (min)	Water Lev (m/ft)	(min)	(m/ft)
2.21		e	Bento San	0			2000	If pumping discontinued	d, give reason:	Static			
0.51	1.33		Kento	nule		0.00	A CONTRACTOR OF			1		1	
1.83	3.35	•	San	1		0.00	25	Pump intake set at (m	v/ft)	2		2	
Meth	od of Co	nstruction			Well Use	9		Pumping rate (I/min / 0	GPM)	3		3	
Cable To		Diamono			Commer	and the second se	Not used	Duration of pumping		4		4	
Rotary (C		I) Jetting	Dor Live		Municipa		Dewatering Monitoring		iin	5		5	
Boring		Digging			Cooling &	& Air Conditio	ning	Final water level end of	pumping (m/lt)	10		10	
Other, sp		screw P-	Sh Oth	er, specify				If flowing give rate (1/m	in / GPM)	15		15	
	Co	nstruction R	ecord - Cas	ing		Status	of Well	in norming give rate (with		20		20	
Inside Diameter		e OR Material ed, Fibreglass,	Wall Thickness	Dept	h ( <i>m/ft</i> )	Water S		Recommended pump	depth (m/ft)	25		25	
(cm/in)	Concrete,	Plastic, Steel)	(cm/in)	From	То	Test Ho		Recommended pump	rate	-			
3.45	11.	vibl	0.345	U	1,83	Recharg		(Vmin / GPM)		30		30	
			15			Observa	tion and/or	Well production (I/min	/ GPM)	40		40	1.
			C. C. C.			Monitorir Alteratio	-	Disisfected 2		50		50	
	1			NO BUE		(Constru Abando		Disinfected?		60		60	
COLUMN STATE	с	onstruction R	Record - Scre	en	New Yorkson		ent Supply		Map of W	ell Loc	ation		
Outside Diameter	M	laterial	Clot No.		th ( <i>m/ft</i> )	Water C	uality	Please provide a map I	below following	instruct	ions on the	e back.	
(cm/in)	(Plastic, Ga	alvanized, Steel)	Side Ivo.	From	То	Abando specify	ned, other,						
4.21	DI.	str	10	1.03	3.35								
						Other, s	pecity		sequit				
	1.50	Water De	tails	Sec. Sec. Se	Н	ole Diamet	er	i	ntf	Cho	Л		
		Kind of Wate		Untested	B Dept From	h ( <i>m/ft</i> ) To	Diameter (cm/in)		m	12.			
		Other, sp Kind of Wate		Untester	- 10 A A A A A A A A A A A A A A A A A A	3.35	5.71	1000	1.				
	v/ft) Gas	and the second second							10-65	303	6		
		Kind of Wate		Untested	b								
(m		Other, sp		<b>T</b> 1 1 1									
Business Na		ell Contractor	or and Well	Technicia		I Contractor's	Licence No.						
Stat	a so	-1 Sai	notin	9	7	120	-11					1000	THE REAL
Business Ad	ddress (Str	eet Number/N		had		nicipality	111	Comments:					
Province	/ WZ	Postal Code	Business	E-mail Ad		chmo	ndll						-
ON	L		6 will	/	121	tasoil	loom		ackage Deliver	ed	Min	istry Use	Only
Bus.Telepho	one No. (inc.		ame of Well T			First Name)		information package y y	Y   Y   M   M	DD	Audit No.	119	151
Well Technici	lan's Licence	No. Signature	e of Technicia	mand/or C	ontractor Dat	e Submitted		delivered	lork Completed		4.	110	JUT
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Ministry of the Environment Well Tag No. (Place Sticker and/or Print Below)

A103045



Measurements recorded in: Metric Umperial

			mber/Name)	IF	- To	ownship		Lot		Concession			
County/Dist			Street		С	ity/Town/Village			Provin	ice	Postal	Code	e
						Mississa	499	24.254	Ont	ario		1	TI
UTM Coordi	inates Zone			rthing		unicipal Plan and Sublo	Number		Other				
NAD		all			412				-	Contraction of the local division of the loc	1		_
General Co			non Material	nment S		rd (see instructions on the er Materials		al Description	22222			th (m	
General Oc	Juour	Wost Com	non material		Our	er materials	Conci	ar Deseription	8		From		То
					199							-	_
					1 1 1						20.11		
								2223					
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	2.2				1. A.							8	
		<u></u>											
Depth Sc	at at (m/P)		the second s			Volume Discod	After test of well yield, v	esults of We		Id Testing	R	ecove	erv
From	То				1	(m³/ft³)	Clear and sand fr		Time	Water Leve	Time	Wate	er Level
O'	0.5       Cement         1       5       Benton it e         16       Sand         Nethod of Construction       Public         16       Sand         Nethod of Construction       Public         16       Sand         Nethod of Construction       Public         17       Diamond         18       Diamond         19       Oronestic         19       Diaging         19       Digging         11       Diamond         19       Diamond         19       Diaging         11       Diamond         11       Demestic         11       Material         11       Other, specify         11       Other, specify         11       Construction Record - Casing         12       Plastic, Steell         13       Material         14       Plastic, Steell         15       Not Record - Screen         16       Material         17       Plastic, Galvanized, Steell         16       Material         17       Plastic         18       Stot No.	and the second sec	Other, specify		(min) Static	(m/ft)	(min)	(1	m/ft)				
0.5'	5'	Ronte	nite				If pumping discontinue	d, give reason:	Level				
5'		Cound	1						1		1		
-	10	and					Pump intake set at (m	v/ft)	2	1 marsh	2		
- Alexandre				<u></u>	100 C		Pumping rate (I/min / 0	SPM)	3	100	3		
				-E-			i antiping race firmer i		4		4		
			and the second sec			al Dewatering	Duration of pumping						
	Reverse)				A CONTRACT OF THE OWNER	le Monitoring		nin Inumping (m#P	5	1	5		4
Boring	ussion		2 ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) (			& Air Conditioning	Final water level end of	partipling (mm)	10		10		
Other, sp	pecify		_ 0th	ner, specify	/		If flowing give rate (1/m	nin / GPM)	15		15		
	1	and the second se		and the second se		Status of Well			20		20		
Inside Diameter	(Galvanize	d, Fibreglass,				Water Supply     Replacement Well	Recommended pump	depth (m/ft)	25	-	25		-
(cm/in)	Concrete,	Plastic, Steel)				and the second	Recommended pump	rate					
1.5"	Plasti	C	0.25	0'	6	Recharge Well     Dewatering Well	(I/min / GPM)		30		30		-
						Observation and/or	Well production (Vmin	/ GPM)	40		40		
	1.2.1.1					Alteration	Disinfected?	1.	50		50		
						(Construction)	Yes No		60		60		
Denteran	Co	onstruction F	Record - Scre	en	No. Contraction	Insufficient Supply		Map of W	ell Lo	cation			
Outside Diameter			Slot No.	Dep	oth ( <i>m/ft</i> )	Water Quality	Please provide a map	below following	instruc	tions on the l	back.		
(cm/in)	(Plastic, Gal	wanized, Steel)		From	То		5	ee N	100	)			
1.75"	Plast	ic	10	6'	16		-		- P				
	4					U Other, specify	M	iec M W3-	1				
		Water De	tails		Н	ole Diameter							
Water foun	nd at Depth	Kind of Wate	er: 🗌 Fresh [	Unteste									
	the second s		ecify ar: Fresh [	Untorte	1	16' 45"							
		Other, sp				10 12							
			er: Fresh [	Unteste	ed								
(11		Other, sp			-								
Business N	We lame of Well		or and Well	Technic	ian Informat	tion Il Contractor's Licence No.							
540	ta S	1 /	emplin	a	7	241							
Business A		et Number/N	ame)	1 .	A D	inicipality ////	Comments:		1				
Z-IM Province	7 Wa	estal Code	Business	E-mail A		chroudhill	1						
ON		HBIC	6 WHE	od	adress add	Soil.com		ackage Delivere	ed	Minis	try Us	e On	ly
Bus.Telepho	one No. (inc.	area code) N			(Last Name,	1	information package	YIYMM	plp	Audit No.			
9057	7649	3041	Mail	Mu	ke		delivered Date W	fork Completed		ZI	19	05	2(
3 L	Licence	Signature	e of echnois	in and/or	Contractor Dat	Ploob 31	Ves	1006	31	Rolli	161	2010	1
0506E (2007/	12) @ Quee	n's Printer for Or	stario 2007			Ministry's Copy		c+ Urer		THE PARTY AND	101	010	-

Ontario Ministry of Well	<sup>1</sup> A 084	n - elow)			Record
Measurements recorded in: X Metric Imperial	n uun		gulation 903 Ontario Pa	water Res	
Well Owner's Information					
First Name MATAS HOMES		E-mail Address		3	Constructed
Mailing Address (Street Number/Name)	Municipality	Province Pos	tal Code	by We	ell Owner
109 THOMAS ST	OAKNILLE	waa ka ka ka ka sa ka	WBAT		
Well Location					
Address of Well Location (Street Number/Name)	Township	Lot	Conces	ision	
County/District/Municipality	City/Town/Village		Province	Postal	Code
166L	MISSISSA		Ontario	451	446B
UTM Coordinates Zone Easting Northing NAD 8 3 17 61 19 8482637	Municipal Plan and Su	blot Number	Other		
Overburden and Bedrock Materials/Abandonment Sealing Re	Cord (see instructions on I	he back of this form)			
÷	Other Materials	General De	scription	Dep From	th (m/ft)
SROWN		FILL		0	4.6
REY SILT		······		4.6	6.2
SLEY MARK AND		DENSE	en e	1.2-	7.6
		<b>100-516</b>		1010-	TF
		***			
	******		<u></u>		
NO2 RPS 17 611966 48263	55			-	
	· · · · · · · · · · · · · · · · · · ·	····	*****		
			<u>, esta de la composición de</u>		<u>e de destas</u> e
Annular Space		] Recult	s of Well Yield Testi		
Depth Set at (m/ft) Type of Sealant Used	Volume Placed	After test of well yield, water w			covery
From To (Material and Type)	(m³/ft³)	Clear and sand free	Time Water L (min) (m/fl	1 . I	Nater Level (m/fi)
O 13 CEMENT		If pumping discontinued, give	reason: Static		10.19
13 218 BENTONDIATE CHIPS			Level		<u>na a Alabara</u> Na antika ta
		Pump intake set at (m/ft)			· · · · · · · · · · · · · · · · · · ·
			2	2	
Method of Construction Well L	Use	Pumping rate (I/min / GPM)	3	3	
Cable Tool Diamond Public Comm		Duration of pumping	4	4	
Rotary (Conventional) Jetting Domestic Munic Rotary (Reverse) Driving Livestock V Test I	· · · · · · · · · · · · · · · · · · ·	hrs + min	5	5	
Boring Digging Irrigation Coolir	ng & Air Conditioning	Final water level end of pumpir	19 (m/h) 10	10	
J Air perclussion       Industrial         Other, specify       Other, specify		If flowing give rate (I/min /GP	MI 15	15	
Construction Record - Casing	Status of Well		20		
Inside Open Hole OR Material Wall Depth (m/ft) Diameter (Galvanized, Fibreglass, Thickness	Water Supply	Recommended pump depth	(m/ft)	20	*****
(cm/in) Concrete, Plastic, Steel) (cm/in) From To	Replacement Well     Test Hole		25	25	
5 PLASTIC 13 0 3.6	Recharge Well	Recommended pump rate (I/min / GPM)	30	30	
	Dewatering Well	Well production (I/min / GPM)	40	40	
	Monitoring Hole		50	50	*****
	(Construction)	Disinfected?	60	60	
Construction Record - Screen	Insufficient Supply		of Well Location		
Outside Material Depth (m/fi)	Abandoned, Poor Water Quality	Please provide a map below fo	llowing instructions on th	e back.	<u>seonteotroittaena</u>
Diameter (cm/in)         (Plastic, Galvanized, Steel)         Slot No.         From         To	Abandoned, other.	DUNDAS	ST F		
6 PLASTIC 1010 3.16 7.6		1			
	Other, specify	)) IBE WELL INC	<u> </u>		
Water Details	Hole Diameter				K
ater found at Depth Kind of Water: Fresh X Untested	pth (m/ft) Diameter		TEQ.	)	
A set and a set a set a set a set a set a	To (cm/in)		C.E.		1
3 (m) Gas Other, specify	71 0				
Ater found at Depth Kind of Water: Fresh Untested	7.6 12				
Ater found at Depth Kind of Water: Fresh Untested ( <i>m/ft</i> ) Gas Other, <i>specify</i>	7.6 12				l.
Ater found at Depth Kind of Water: Fresh Untested ( <i>m/ft</i> ) Gas Other, <i>specify</i>	7.6 12				l V
Implify       Gas       Other, specify         Vater found at Depth       Kind of Water:       Fresh       Untested         (m/ft)       Gas       Other, specify       Implify         vater found at Depth       Kind of Water:       Fresh       Untested         (m/ft)       Gas       Other, specify       Implify         (m/ft)       Gas       Other, specify       Implify         Well Contractor and Well Technician Information       Implify       Implify	ation	↓			l V
/ater found at Depth       Kind of Water:       Fresh       Untested         (m/ft)       Gas       Other, specify         /ater found at Depth       Kind of Water:       Fresh       Untested         /ater found at Depth       Kind of Water:       Fresh       Untested         /ater found at Depth       Kind of Water:       Fresh       Untested         (m/ft)       Gas       Other, specify       Well Contractor and Well Technician Information States         Well Contractor	ation Agli Contractor's Licence No.	42			L V
Image       Other, specify         Vater found at Depth       Kind of Water:       Fresh       Untested         (m/ft)       Gas       Other, specify       Image: Contractor and Well Technician Information informatinformation informatinformation informatinformation information in	ation	Comments:			L V
Atter found at Depth       Kind of Water:       Fresh       Untested         (m/ft)       Gas       Other, specify       Image: Contractor and Well Technician Information	ation All Contractor's Licence No. Le   O + 3 2	and the second secon			L V
S       (m/t)       Gas       Other, specify         /ater found at Depth       Kind of Water:       Fresh       Untested         (m/ft)       Gas       Other, specify	ation All Contractor's Licence No. Le   O + 3 2	12-A-187			
Atter found at Depth       Kind of Water:       Fresh       Untested         (m/ft)       Gas       Other, specify	All Contractor's Licence No.	12-A 187 Well owner's Date Package D	Audit No.	stry Use C	<u>Pnly</u>
Atter found at Depth       Kind of Water:       Fresh       Untested         (m/ft)       Gas       Other, specify       Image: Contractor and Well Technician Information	ation All Contractor's Licence No. All O # 3 2 unicipality TORIC First Name)	12-A 187	Audit No.		<u>Pnly</u>
S       (m/i)       Gas       Other, specify         Iater found at Depth       Kind of Water:       Fresh       Untested         (m/ii)       Gas       Other, specify         Iater found at Depth       Kind of Water:       Fresh       Untested         (m/ii)       Gas       Other, specify       Intested         (m/ii)       Gas       Other, specify       Intested         (m/iii)       Gas       Other, specify       Intested         (iii)       Contractor       W       Intested         (iiii)       Other, specify       Intested       Intested         (iiiiii)       Other, specify       Intested	ation All Contractor's Licence No. All O # 3 2 unicipality TORIC First Name)	12-A-187	IMDDD     Audit No       pleted     Z	stry Use C	<u>Pnly</u>

Ontario Ministry of the Environment		Well Record for Well Cluster - Part 1 of 3
	Well Tag No. of Deer. Tag#: A139584	(Only for Multiple Test Holes or Dewatering Wells) Regulation 903 Ontario Water Resources Act
All measurements recorded in: Metric Metric Imperial	Well # on Drawing of Deepes, wein TIW T	Page of
Follow instructions on the front and back of this form. Print or Type Well Cluster Location Information		
Address of Well Location (Street Number(s)/Name(s), RR, if available) Lot(s)	Concession(s) Geographic Township Coun	Mandatory Attachments/Additional Information           ty/District/Upper Tier Municipality         Image: Consent Form must be attached.
206 Dundas st E		Detailed Drawing of All Well Locations must be attached.
City, Town, Village or Hamlet Provin	ce GPS Unit Make Model Unit Mode of Operation	Undifferentlated Averaged I, the person constructing the well, will promptly submit to the Director, on request, any additional information in my custody or
City, Town, Village or Hamlet Mississauga Onti	ario Garmin ETrex Differentiated, specify:	control related to any cell in the well cluster that I have constructed.
Well Details	/ / /	Signature of Technician Contractor Date (vyvymm/od)
Well #     UTM Coordinates     Hole     Hole       on     Depth     Diamete       Drawing Zone     Easting     Northing     (m/fl)	Method of Casing Casing Screen Interval Annular Spatiality (m/ft)	/tt) Abandonment Filing Material Intervals (m/ft) Water Completion
MW1176121394826648 20 6	R+ 2"01 0' 10' 10' 20' 9	
		SAND
MWZ11761211444826658 19 6	Rotary 2"PVC O' 9' 9' 19' 19' 2	Bentonita 2012/11/20
Well Contractor and Well Technician Information	L or Ahandoner	ell in Cluster Constructed Date Last Well in Cluster Completed (yyyy/mm/dd) Date Received (yww/mm/dd) Avdit No.
Business Name of Well Contractor Profile Drilling Inc 6525 Northam [	Dr. Mississanga ON 2012/	11/20 2012/11/20 MAY 2 6 2013 C 20417
Postal Code Bus. Telephone No. Well Contractor's Licence No. 44015		doning the Wells:
Name of Well Technician (First Name, Last Name) Well Technician's Licence No.	Signature of Well Jeshnician Date Submitted (yyw/mm/dd)	
Mike Scochi 3571	Print 2013/05/17 Name (Print of	or Type) - See instruction 11 on the back of this form
1991E (2011/04) © Queen's Printer for Ontario, 2011	Ministry's Copy	

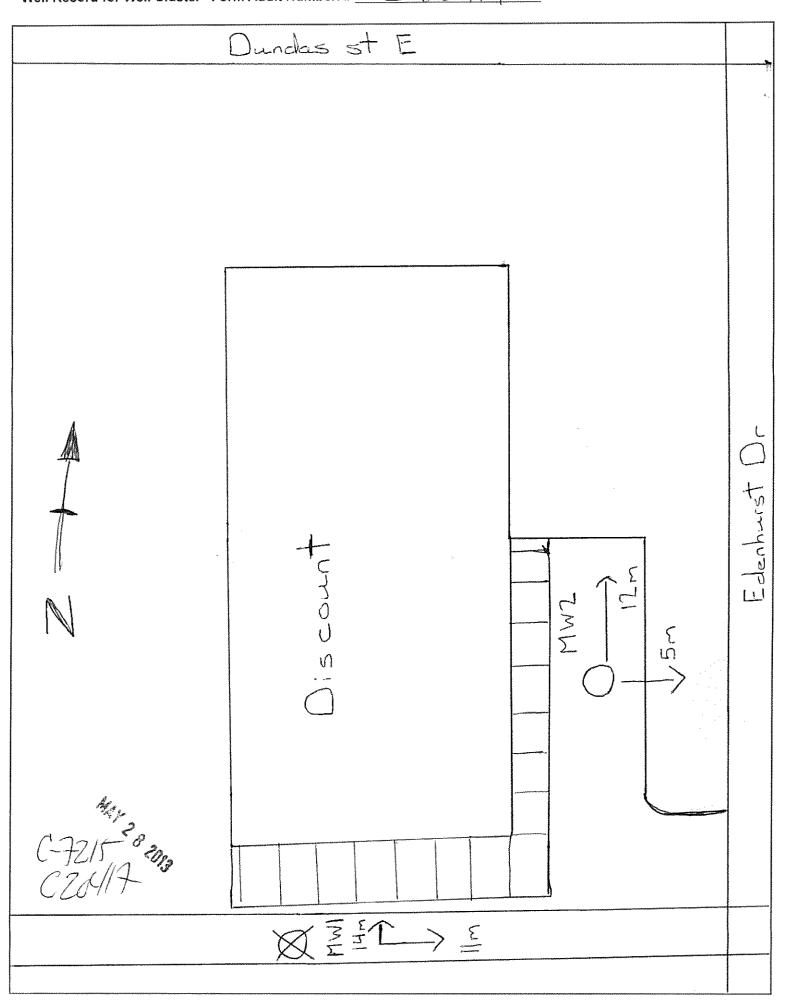


# Well Record for Well Cluster - Part 3 of 3 Detailed Drawing of All Well Locations

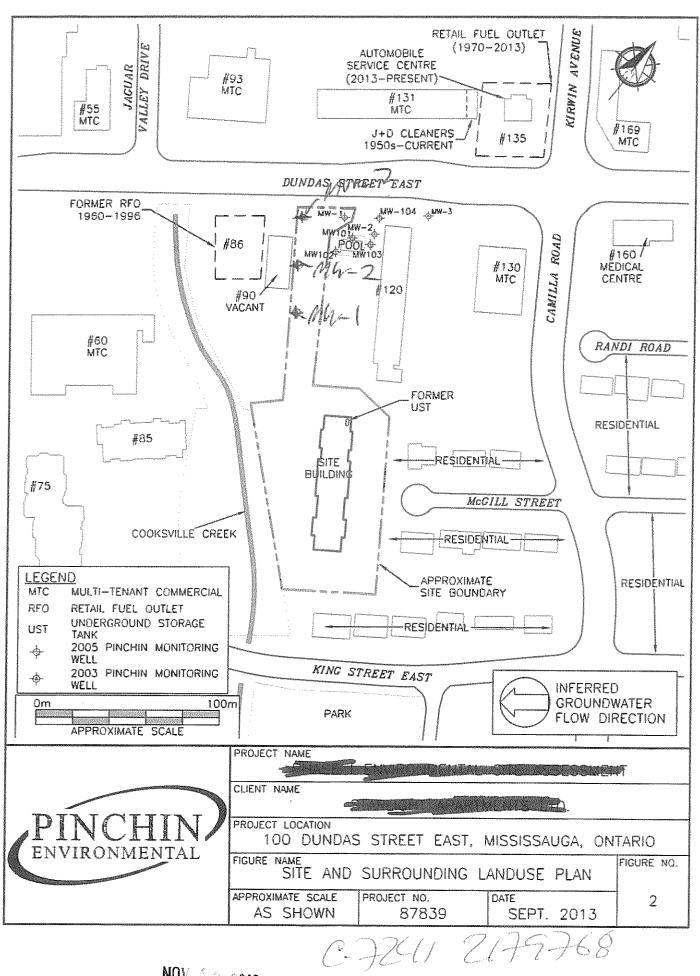
Note: This Well Record for Well Cluster Part 3 - Detailed Drawing of all Well Locations, must be attached to Parts 1 and 2. The drawing must include all property boundaries, an arrow indicating the North direction, all named roads and sufficient measurements to locate all wells in the cluster in relation to fixed points. The drawing must show the location of each well and each well must be numbered on the drawing to match number used for that well on the Well Record for Well Cluster Parts 1 and 2. The well with the well tag must be clearly identified on the Drawing.

Hen wig theet to stamp, the man and the state of the stat	
UTM coordinates should appear beside each well, if space permits.	Additional comments on wells can be included on the drawing
UTM coordinates should appear beside each well, if space permits. Well Tag Number: # $A139584$	
Well Tag Number: # $AL > 1 > 07$	

"Well Record for Well Cluster" Form Audit Number: # \_\_\_\_\_ 20417\_\_\_\_



· · · ·		$\langle$	-14660	
Ontario Ministry of the Environment	Well Tag No. (Place Sti	CKP ANNING FIND BEIGMT 4	Regulation 903 Ontario V	Vell Record
Measurements recorded in: 🗌 Metric 🔯 Imperial	Tag#: A15635	13 771 50 50g)	•	ge of
Well Owner's Information		E-mail Address		
First Name Last Name / Organization	itmat2101			Well Constructed by Well Owner
40( Hpwest Mall S. He (19)	Municipality TO(91HO	Province	PCSD5	e No. (inc. area code)
Well Location Address of Well Location (Street Number/Name) 100 Dundas Street East	Township		ot Concess	ion
County/District/Municipality	City/Town/Village Missis	sauga	Province Ontario	Postal Code
	Municipal Plan and		Other WKQ	-006380 A 0 - A 02
Overburden and Bedrock Materials/Abandonment Sea	iling Record (see instruction. Other Materials		Description	Depth (m/ft)
BRWA FILL			· · · · · · · · · · · · · · · · · · ·	D 3
BROWN SILFY	SAQU			3'10'
Gray Silty	Clay		//////////////////////////////////////	10° 12°
	1999-1997			
	V/A/			
Annular Space	Volume Plac		ults of Well Yield Testin	
Depth Set at (m/ft) Type of Sealant Used (Material and Type)	(m <sup>3</sup> /ft <sup>3</sup> )	Clear and sand free	Time Water L (min) (m/ft,	evel Time Water Level
U.S. FLUShanunt CONCLETC		If pumping discontinued, g	Statio	
015 7' Benseal			1	1
7 18 Sand		Pump intake set at (m/ft)	2	2
Method of Construction	Well Use	Pumping rate (Ilmin   GPI	<i>a</i> ) 3	3
Cable Tool Diamond Public	Commercial Not u	Li Duration of pumping	4	4
	Municipal     Dewa     Test Hole     Moni	itoring hrs + min	5	5
Boring     Digging     Irrigation       Air percussion     Direct Push     Industrial	Cooling & Air Conditioning	Final water level end of pu		10
Construction Record - Casing	Status of W	If flowing give rate (I/min )		15
Inside Open Hole OR Material Wall Depth Diameter (Galvanized Ebreolass Thickness	( <i>m/ft</i> ) Uter Supply	/ Recommended pump de	pth (m/ft) 25	20
(cm/in) Concrete, Plastic, Steel) (cm/in) From	To Test Hole	Recommended pump rat		30
2" PVC 0.25" 0	Dewatering V	Vell	40	40
	Mónitoring Ho		PM) 50	50
	(Construction Abandoned,	n) Disinfected?	60	60
Construction Record - Screen	Insufficient S	Poor	Map of Well Location	
Outside Material Depth Diameter (Plastic, Galvanized, Steel) Slot No. From	(m/ft) Water Quality	, II '	ow following instructions on th	ie back.
$\frac{(\text{cm/in})}{2.25}$ $\frac{1000}{10}$ $\frac{1000}{10}$	Specify		o 1	
	Other, specif		e ha	R
Water Details	Hole Diameter			
Water found at Depth Kind of Water: Fresh Untested (m/ft) Gas Other, specify	From To (G	meter m/in)	8	
Water found at Depth Kind of Water: Fresh Untested	0 13 0		1-	
(mlft) Gas Other, specify Water found at Depth Kind of Water: Fresh Untested				
(m/ft) Gas Other, specify				
	n Information	two texts of the second sec		
Well Contractor and Well Technician Business Name of Well Contractor	Well Contractor's Licen	ce No.		
Well Contractor and Well Technician Business Name of Well Contractor Strata Soil Sampling Inc. Business Address (Street Number/Name)	Well Contractor's Licen  7 2  4   Municipality	Comments:	eneral contra	actor:
Well Contractor and Well Technician Business Name of Well Contractor Strata Soil Sampling Inc. Business Address (Street Number/Name) 147-2 West Beaver Creek Ro	Well Contractor's Licen  7 2  4 ] Municipality ad Richmond	Comments:	eneral contra chin Environ	
Well Contractor and Well TechnicianBusiness Name of Well Contractor Strata Soil Sampling Inc.Business Address (Street Number/Name) 147-2 West Beaver Creek RcProvince OntarioPostal Code L4B 1C6Business E-mail Add Ontario	Well Contractor's Licen  7 2  4 ] Municipality ad Richmond ] ress rds@stratasoil	Hil Comments: G Pin Contwell owner's Date Packet Information	chin Environ	mental nistry Use Only
Well Contractor and Well Technician           Business Name of Well Contractor           Strata Soil Sampling Inc.           Business Address (Street Number/Name)           147-2           147-2           West Beaver Creek Rc           Province           Postal Code           Business E-mail Add           Ontario           L4B           1C6           Wrecor           Bus.Telephone No. (inc. area code)           Name of Well Technician (L           905-764-9304	Well Contractor's Licen 7 2 4 Municipality ad Richmond 1 ress rds@stratasoil .ast Name, First Name) 7. HATE,	Hil Comments: G Pin COn Well owner's Date Packa Information package delivered Date Work	chin Environ	mental nistry Use Only
Well Contractor and Well Technician           Business Name of Well Contractor           Strata Soil Sampling Inc.           Business Address (Street Number/Name)           147-2 West Beaver Creek Rc           Province           Postal Code           Business E-mail Add           Ontario           L4B           L6           Bus.Telephone No. (inc. area code)           Name of Well Technician (L	Well Contractor's Licen 7 2 4 Municipality ad Richmond 1 ress rds@stratasoil .ast Name, First Name) 7. HATE,	Hil Comments: G Pin Pin Pin Pin Pin Pin Pin Pin	chin Environ	mental nistry Use Only 179768



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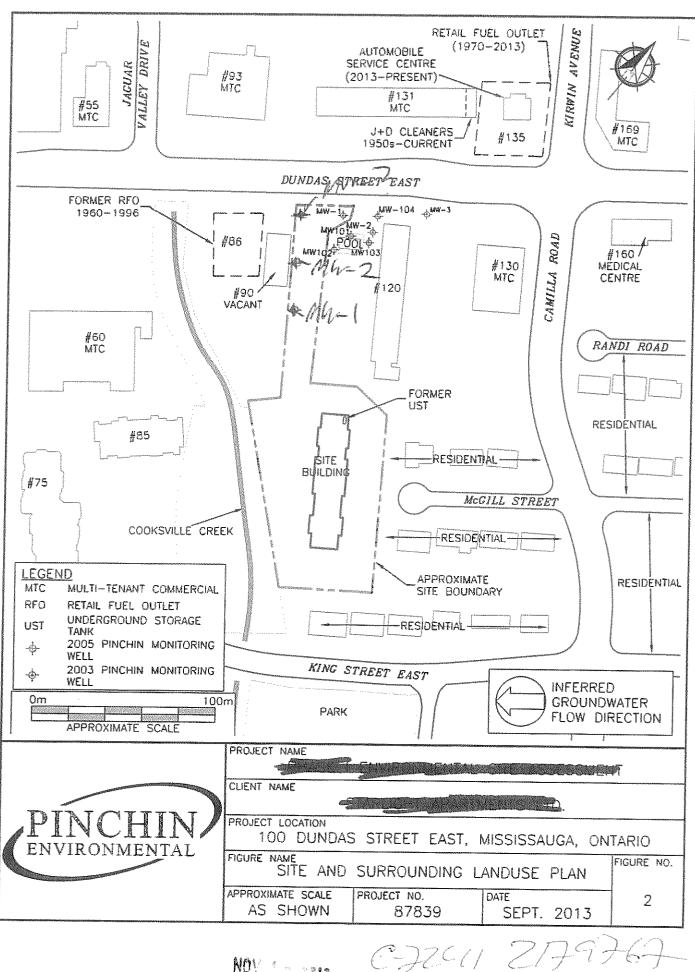
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7210806



STARLIGHT APARTMENTS LTD.

Address of Well Location (Street Number/Name) 100 Dundas Street East       Township       Lot       Concession         County/District/Municipality       City/Town/Village MISSISSauga       Province       Postal Ontario         UTM Coordinates       Zone       Easting       Northing       Municipal Plan and Sublot Number       Other WKQ=006380 A 0 - A 0         Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)       General Description       Dept From         D/AC /L       Support       Support       Support       Concession         BC WA       SUP // Y       Support       Support       Pervince         BC WA       SUP // Y       Concession       Pervince       Pervince         BC WA       SUP // Y       Concession       Pervince       Pervince         BC WA       SUP // Y       Concession       Pervince       Pervince         BC WA       SUP // Y       Concession       Province       Province	
UTM Coordinates     Zone     Easting     Northing     Municipal Plan and Sublot Number     Other WKQ-00638t       NAD     8     3     1     0     1     0     2     4     2       Overburden and Bedrock Materials/Abandonment Sealing Record (see Instructions on the back of this form)     General Description     Dept       General Colour     Most Common Material     Other Materials     General Description     Dept       PLACK     AShpoi(f     S0100     4     4	2 h ( <i>m/ft</i> )
NAD 8 3 1/10/10/10 PFS N0 PFS         Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)         General Colour       Most Common Material       Other Materials       General Description       Depler Prom         PLQCK       ASh pQLK       Offer Materials       General Description       Prom         PLQCK       ASh pQLK       SQLND       U       U	h ( <i>m/ft</i> )
General Colour     Most Common Material     Other Materials     General Description     Dept From       PLACK     AShpol(K     0       BCOWO     SULFY     SOLAD     4	
Black Ashpolit Brown Silfy Sound 4"	4"
K(VWA) = S(TY) = S(TV) = S(TV) = S(TV)	P
	ÎG
	×
Annular Space Results of Well Yield Testing	
Depth Set at (m/fi) Type of Sealant Used Volume Placed After test of well yield, water was: Draw Down Re	covery
From     To     (Material and Type)     (m³/ft³)     Clear and sand free     Time     Water Level     Time       0.5     F(45M_MMAT/CDACTCHC)     Other, specify     Other, specify     Station	Nater Level (m/ft)
If pumping discontinued give reason	-
5 10 Son 0	
Method of Construction         Well Use         Pumping rate (limin / GPM)         3         3	
Cable Tool     Diamond     Public     Commercial     Not used       Rotary (Conventional)     Jetting     Domestic     Municipal     Dewatering	
Rotary (Reverse) Driving Livestock T Yest Hole Monitoring hrs + min 5 5	
Boring       Digging       Irrigation       Cooling & Air Conditioning       Final water level end of pumping (m/ft)       10       10         Air percussion       Industriat       Industriat       Industriat       Industriat       Industriat	
Other, specify       Direct Push         Other, specify       If flowing give rate (Ilmin   GPM)         15       15	
Construction Record - Casing Status of Well 20 20 20	······································
Inside Open Hole OR Material Wall Depth (m/lt)	
Concrete, Plastic, Steel) (cm/in) (cm/	
1     1 <td></td>	
Observation and/or Manitoring Hole     Well production (//min / GPM)     40     40	
Alteration 50 50	-
Abandoned, Yes No 60 60	
Construction Record - Screen	
Dutside Material Diameter (Plastic, Galvanized, Steel) Siot No. Erom To To Abandoned, other,	
(cmin) specify	
$\overline{C}$	
Water Details     Hole Diameter       Water found at Depth     Kind of Water:       Fresh     Untested       Depth (m/ft)     Diameter       (m/ft)     Gas       Other, specify     O       Water found at Depth     Kind of Water:       Fresh     Untested       Depth (m/ft)     Diameter       (m/ft)     Gas       O     IO	
Water found at Depth Kind of Water: Fresh Untested Depth (m/ft) Diameter (m/ft) Gas Other, specify To (cm/in)	
Water found at Depth Kind of Water: Fresh Untested 0 16 61 100000000000000000000000000000	
(m/ft) Gas Other, specify Water found at Depth Kind of Water: Fresh Untested	
(mift) Gas Other, specify	
Well Contractor and Well Technician Information	
Business Name of Well Contractor     Well Contractor's Licence No.       Strata Soil Sampling Inc.     17 2:4 1	· · ·
Business Address (Street Number/Name) Municipality Comments: General contractors	· .
147-2 West Beaver Creek Road Richmond Hill Pinchin Environmental	
Province Postal Code Business E-mail Address	
Bus Telephone No. (inc. area corda) Name et Wall Technidoo (Lact Name Ether Name)	)nly
1 905+764-9304 april 6	37
A CONTRACT OF A	
Image: Solution of the second decision of th	<u>.</u>



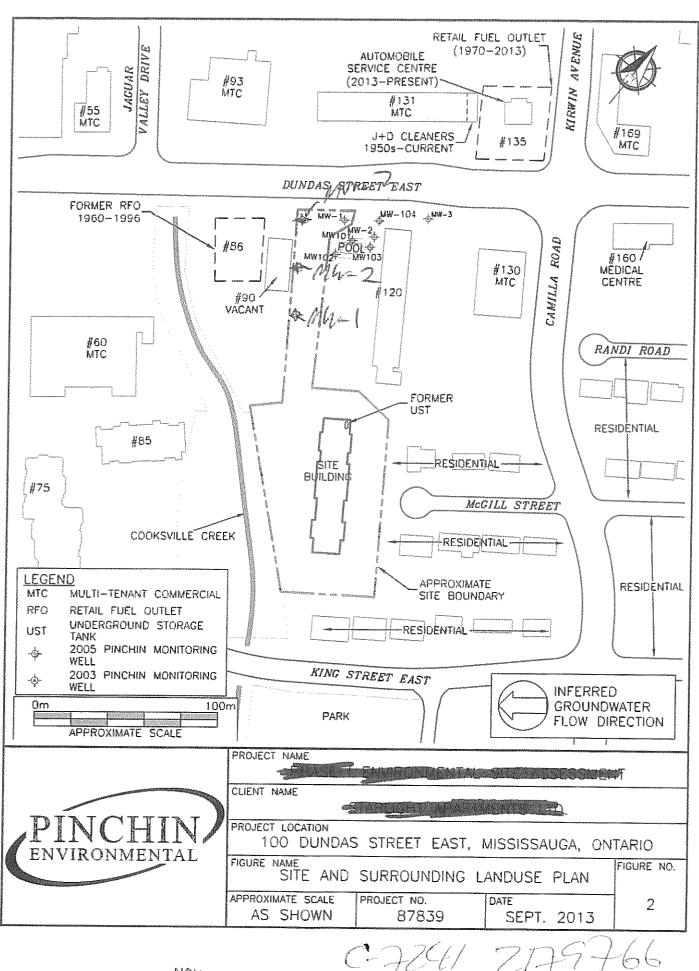
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NOV - 113

7210807				- (1)		
$\Omega$		Well Tag No. (Place Sticker	and/or Print Below	5-14600		Record
Ontario	Ministry of the Environment	1 -	NECTO	Regulation 903 Ontario		
Messurements recorded i	n: Metric Mitmoerial	Tag#: A156352	A150.55	ι p	ade	of

STARLIGHT APARTMENTS LTD.

Address of Well Location (Street Number/Name) 100 Dundas Street Eas	st	Township	Lot	Concess	ion	
County/District/Municipality		City/Town/Village Mississauc	l	Province Ontario	Posta	I Code
UTM Coordinates Zone Easting Northing	6410	Municipal Plan and Subl		Other WKQ-	-0063	
Overburden and Bedrock Materials/Abandonment		cord (see instructions on the	e back of this form)			
General Colour Most Common Material	0	ther Materials	General Description	1	From	oth (m/ft) To
Brawn FIL Brown SILFY	50	119		1.00.00.00.000000000000000000000000000	3	3/ 3/
Gray Silty		N, Y			<u>Sí</u>	15.5'
		ne 16 mer 17 mer er 18 mer er 1 19 mer 19 mer er 19 me				
	A11					
				Anhannan ann an Anhannan an		
Annular Space Depth Set at ( <i>m/fi</i> ) Type of Sealant Us		Volume Placed	Results of We After test of well yield, water was:	Il Yield Testir		ecovery
From To (Material and Type)		(m³/ft³)	Clear and sand free	Time Water Le		
os lis Hasminiatica	nerete.		If pumping discontinued, give reason:	Static Level	()	
ILC' ISS' Sond				1	1	
TO DIS Sally			Pump intake set at (m/ft)	2	2	
Method of Construction	Well U	lse	Pumping rate (Ilmin / GPM)	3	3	
Cable Tool Cable Tool Conventional Diamond Dublic Domestic Conventional Cable Convention	🗌 Comm 🔲 Munici		Duration of pumping	4	4	
Rotary (Reverse)     Driving     Livestock       Boring     Digging     Irrigation	🔲 🖌 est H		hrs + min Final water level end of pumping (m/ft)	5	5	
Air percussion Direct Push Other, specify		с .		10	10	
Construction Record - Casing		Status of Well	If flowing give rate (IImin / GPM)	20	20	*****
Inside Open Hole OR Material Wall Di Diameter (Galvanized, Fibreglass, Thickness (cm/in) Concrete, Plastic, Steel) (cm/in) From	epth ( <i>m/ft)</i> • To	Water Supply	Recommended pump depth (m/fi)	25	25	
Z" PUC 0.25" 0	5.5	Test Hole	Recommended pump rate (I/min / GPM)	30	30	
		Dewatering Well     Qeservation and/or	Well production (//min / GPM)	40	40	
		Monitoring Hole	Disinfected?	50	50	······································
		Construction)     Abandoned,     Insufficient Supply	Yes No	60	60	
Outside Material De	pth ( <i>mift</i> )	Abandoned, Poor Water Quality	Map of We Please provide a map below following i	II Location	back.	
Diameter (cm/in) (Plastic, Galvanized, Steel) Slot No. From	To	Abandoned, other, specify				
<125 PUC 10 515	112.12	Other, specify	CRO	AA OL	n	
Water Details			$\sum e e$	101 001	ζ	
Water found at Depth Kind of Water: Fresh Untest	ed Dep From	tole Dlameter th (m/ft) Diameter To (cm/in)				
(m/ft) Gas Other, specify Water found at Depth Kind of Water; Fresh Untest	~ ~	$15.5$ $6^{(cm/in)}$	Mar-2	ę		
(m/ft) Gas Other, specify Water found at Depth Kind of Water: Fresh Untest	ad		10:00	~		
(m/ft) Gas Other, specify						
Well Contractor and Well Technic Business Name of Well Contractor	Without the sector sector sector and and the sector sector	tion Il Contractor's Licence No.				
Strata Soil Sampling Inc. Business Address (Street Number/Name)		7241				
147-2 West Beaver Creek F	Road R	nicipality ichmond Hill	Comments: General Pinchin E	. contra		
Province Postal Code Business E-mail A Ontario	ddress Drds@st	ratasoil.co	Well owner's Date Package Delivered		stry Use (	······································
Bus.Telephone No. (inc. area code) Name of Well Technician	Last Name,	First Name)	information package delivered	Audit No.		
Well Technician's Licence No. Signature of Technician and/or	Intractor Day		Date Work Completed	_ <b>Z</b> 1	797	66
3         3         3         3         4         1	274	<u> 他( う  /  = ()    </u> Ministry's Copy	D No 20 17 3 M Malo	NG NG	<u> </u>	<b></b>



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Measurements recor	) and Climate Change ded in:	ial	119789	5	Regulation	1 903 (	<i>Ontario Wa</i> Page	iter Res	
Well Owner's Info First Name	Drmation Last Name / Organ	ization		E-mail Address	nd				
	-	Carpore	te Real Este	te				by W	Constructe ell Owner
Mailing Address (Stree			Municipality	Province	Postal Code		Telephone	No. (inc.	area code)
Well Location	ion (Street Number/Name)		Township				Concessio	-111 	
5 Dunc	las Street East		Township		LOI		Concession	I	
County/District/Munici	pality		City/Town/Village Mississaug	а		Provir Ont	nce tario	Posta	Code
JTM Coordinates Zon	Easting Northing	2000	Municipal Plan and Sul				WKQ-OC		
NAD 8 3 . Dverburden and Be	drock Materials/Abandonmer	× <u>C</u>	Cord (see instructions on t	he back of this form)			A 0	- A 0	3 
General Colour	Most Common Material	C	ther Materials	Gene	ral Description			Dep From	oth ( <i>m/ft</i> )
BIK 1	\$30hr/k	<u> </u>	11					$O_{n}$	3"
SUL DU C	Sond							<u>3″</u> ᡪ৴	5
ray <	Shale	1100	1 Joand					) 14%	17
• · /	V VIE	wear	ng <del>ce</del>				· · · ·	/ ~	
	Annular Spac	0			Results of We		ld Testing		
Depth Set at ( <i>m/ft</i> ) From To	Type of Sealant U (Material and Type	sed	Volume Placed (m³/ft³)	After test of well yield,	water was:	Dr	aw Down Water Leve		ecovery Water Leve
'7' G'	Sand	,		Other, specify		<i>(min)</i> Static	(m/ft)	(min)	(m/ft)
3' 0	Hotenlug			If pumping discontinue	d, give reason:	Level 1			
	Flormant			Pump intake set at (n	n/ft)	2		2	
				Pumping rate (I/min /	CDM	3		3	
Method of Col Cable Tool	Diamond Dublic	Well L			JI WIJ	4		4	
] Rotary (Conventional) ] Rotary (Reverse)	Jetting Domestic	☐ Munic ⊡X[est H	•	Duration of pumping hrs +n	nin	5		5	
] Boring ] Air percussion	Digging Irrigation		g & Air Conditioning	Final water level end o	f pumping (m/ft)	10		10	
Wther, specify	rect Push 🗌 Other, spe	cify		If flowing give rate (I/n	ılın / GPM)	15		15	
Inside Open Hole	Struction Record - Casing           OR Material         Wall	Depth ( <i>m/ft</i> )	Status of Well Water Supply	Recommended pump	depth (m/ft)	20		20	
Diameter (Galvanize (cm/in) Concrete, I	d, Fibreglass, Thickness Plastic, Steel) (cm/in) Fro	m To	Replacement Well	Recommended pump		25		25	
2" PVC	.25 C	ンマン	Recharge Well	(I/min / GPM)	late	30		30	
			Monitoring Hole	Well production (I/min	/ GPM)	40		40	
			Alteration (Construction)	Disinfected?		50		50	
Co	nstruction Record - Screen		Abandoned, Insufficient Supply	Yes No	Map of We	60	otlan	60	
Outside Ma	terial Slot No.	Depth ( <i>m/tt</i> )	Abandoned, Poor Water Quality	Please provide a map t				ack.	
(cm/in) (Plastic, Gall	Fro		Abandoned, other,	14W					
.25 M	= ,10 /	1 171	Other, specify						
	Water Details		Hole Diameter						
	Kind of Water: Fresh Unte		oth ( <i>m/ft</i> ) Diameter						
	Other, <i>specify</i> Kind of Water: Fresh Unter	$- \alpha$	17' G"						
	Other, <i>specify</i> Kind of Water: Fresh Unter	stod							
	Other, specify								
We siness Name of Well (	I Contractor and Well Techn Contractor		ition ell Contractor's Licence No.						
Strata So:	il Sampling Inc.	8	7241						
siness Address (Stree 165 Shiel		M	unicipality Markham		General nchin E				
Ontario	tal Code Business E-mail L3R 8V2 wrec		ratasoil.co			11 V T			
s.Telephone No. (inc. ar	ea code) Name of Well Technicia	an (Last-Name,	First Name)	information package	ckage Delivered		Ministr Audit No. Z		<u>550</u>
	30)4		ccen Mil	delivered	<u>(M 0</u>		1988-1997		
905-764-9 LTechnicijan's License N	o. Signature of Technician and/o	r Contractor Da	te Submitted	Yes Date Wo	ork Completed	VAY	2 7 2016 .	2720	10

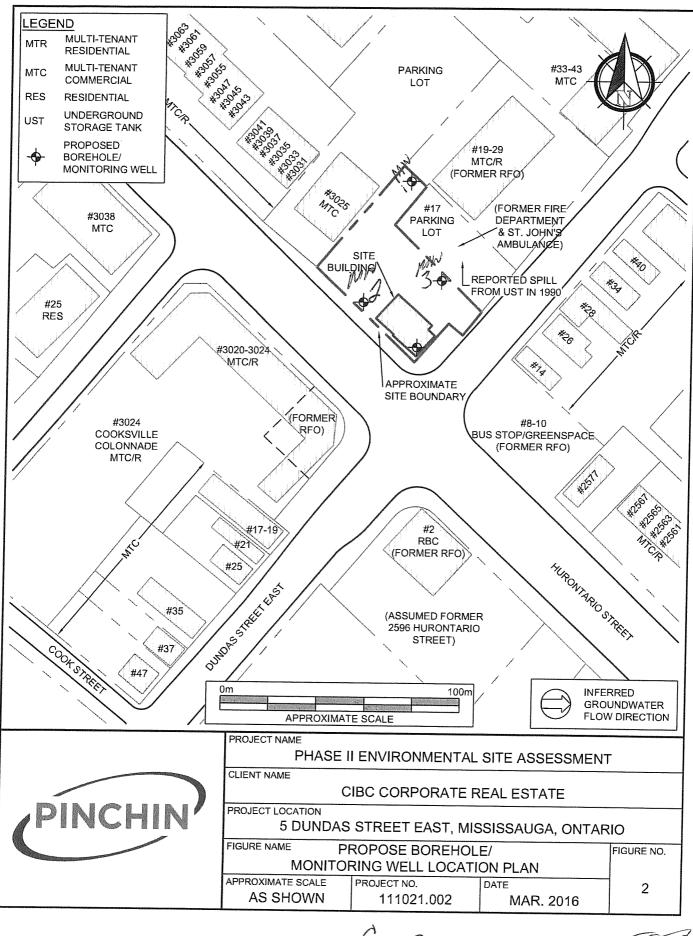
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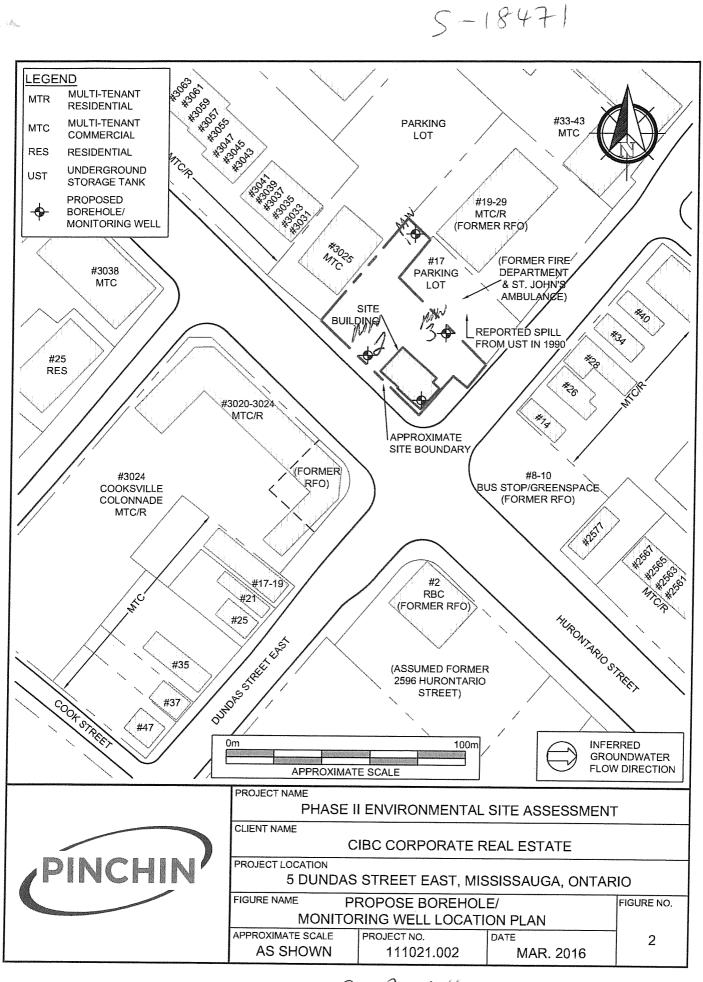
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Onta	<b>TiO</b> Ministry of the Environmon and Climate Change	well Ta Tag#: A	197938	on 903 Ontario		ecor ources A
easurements re	·	ialA1979		Pa	ige	of
/ell Owner's rst Name	Last Name / Organ	ization	E-mail Address			Constructe
ailing Address (S	Street Number/Name)	Municipality	Province Postal Coo	Tolopho		ll Owner
S Iongo	58 4× 960-	Tooto	S Con 4561			
ell Locatión	ocation (Street Number/Name)	Tourabio	Lot	Conces	olon	
	Indas Street East	Township	Lot	Conces	SION	
unty/District/Mu	inicipality	City/Town/Village Mississauc	la	Province Ontario	Postal	Code
M Coordinates		Municipal Plan and Su	·	OtherWKQ-		
NAD 8 3		CZZZ nt Sealing Record (see instructions on t	the back of this form)	A	0 - A 03	3
eneral Colour	Most Common Material	Other Materials	General Descriptio	n	Dept From	h ( <i>m/ft)</i> To
3/K	Aspall			ANY 1000 00 00 00 00 00 00 00 00 00 00 00 0	0	3"
RN	Sono	SH			3"	5
NG&T	514	Sitt. Sand /Cloy			S'	12
7	State Shale	60	Weathered		2%	17
epth Set at ( <i>m/</i> f	Annular Space		Results of W After test of well yield, water was:	ell Yield Testi		
rom To	(Material and Type		Clear and sand free	Draw Down	evel Time V	covery Vater Leve
1,0	Jand		Other, specify     If pumping discontinued, give reason:	(min) (m/ft) Static	(min)	(m/ft)
2 C	Hoteolue		-	Level 1	1	
	flishmant	>	Pump intake set at (m/ft)	2	2	
			Pumping rate (I/min / GPM)	3	3	
Method of able Tool	Construction	Well Use		4	4	
otary (Conventio otary (Reverse)	onal)	Municipal Dewatering	Duration of pumping hrs + min	5	5	
oring r percussion	Digging Irrigation		Final water level end of pumping (m/it)	10	10	
	Direct Push Other, spec	cify	If flowing give rate (I/min / GPM)	15	15	
reaction formula in the second second second	Construction Record - Casing Hole OR Material Wall D	Depth (m/ft) Water Supply		20	20	
neter I (Galvar	nized, Fibreglass, Thickness ete, Plastic, Steel) (cm/in) Fron	m To Replacement Well	Recommended pump depth (m/ft)	25	25	
" p	r 25 0	Image: Second	Recommended pump rate (I/min / GPM)	30	30	
		Dewatering Well	Well production (I/min / GPM)	40	40	
		Monitoring Hole		50	50	
		(Construction)	Disinfected?	60	60	
elda	Construction Record - Screen	Insufficient Supply	Map of We	IL Location		
antau	Material Do Galvanized, Steel) Slot No. From	epth (m/ft) Water Quality	Please provide a map below following $M_{\rm H}$	instructions on the	back.	
25 Pa	VC 110 7					
		Other, specify				
found at Dari	Water Details	Hole Diameter				
( <i>m/ft</i> ) 🗌 Ga	th Kind of Water: Fresh Untest s Other, <i>specify</i>	From To (cm/in)				
found at Dept	h Kind of Water: Fresh Untest	ted 0 17' 6"				
(IIIII) []Ga	sOther, <i>specify</i> h Kind of Water:FreshUntest	led				
found at Dept	s Other, specify					
<i>(m/ft)</i> Ga						
( <i>m/ft</i> ) Gas Vess Name of We		Well Contractor's Licence No.				
(m/ft) Gas v ess Name of We trata S	ell Contractor Oil Sampling Inc.	7241				
(m/ft) Ga v ess Name of We trata S ess Address (Str L65 Shie	ell Contractor	7241 Municipality		contrad		
(m/ft) Ga v ess Name of We trata S ass Address (Str 165 Shie ce	ell Contractor oil Sampling Inc. reet Number/Name) elds Court Postal Code Business E-mail A	7241 Municipality Markham	Pinchin E	invironme	ental	
(m/ft) Gai v sss Name of We trata S trata S sss Address (Str 165 Shie ce phtario	ell Contractor oil Sampling Inc. reet Number/Name) elds Court Postal Code Business E-mail A L3R 8V2 wrecc e. area code) Name of Well Technician	7241 Municipality Markham ords@stratasoil.com	Pinchin E	invironme		nly
( <i>m/ft</i> ) Gai v cass Name of We trata S trata S cass Address (Str 165 Shie cass Address (Str 165 Shie cass Address (Str 165 Shie cass Address (Str 165 Shie cass (Str 165 Shie (Str 165 Shie (Str) (Str) (	ell Contractor oil Sampling Inc. reet Number/Name) elds Court Postal Code Business E-mail A L3R 8V2 wrecc e. area code) Name of Well Technician	7241 Municipality Markham Nddress Ords@stratasoil.com	Pinchin E Well owner's Date Package Delivered	Invironme Minis	ental	<sup>11y</sup> 549

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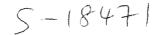


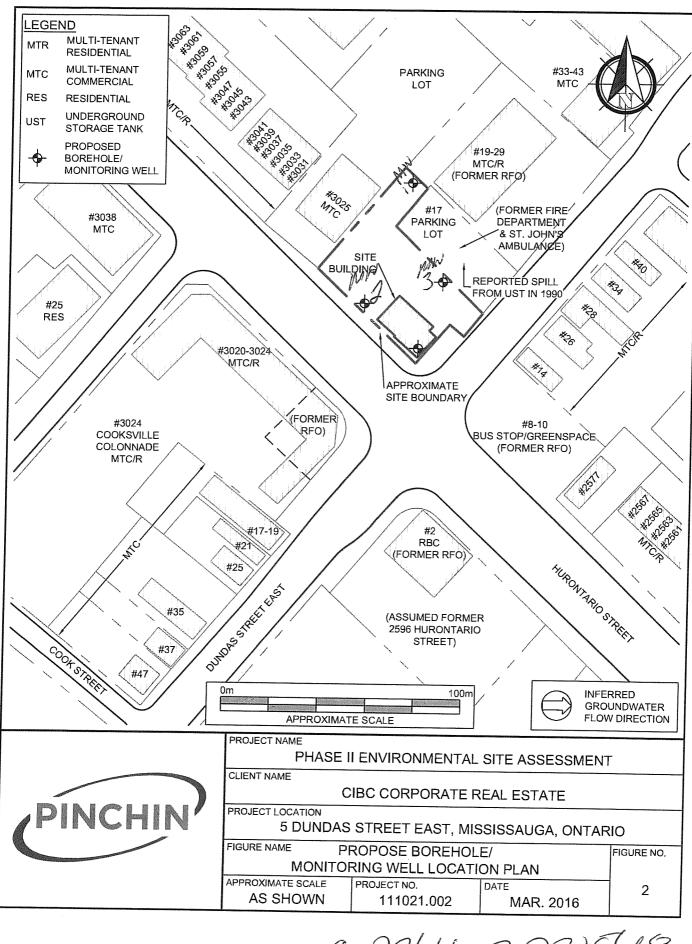
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			S.	-1847-1	
	ry of the Environment	Well Tag#: A19	········		Nell Record
	Metric Himperial	A1979	70 Neg	Pa	
Well Owner's Information	L		E-mail Address		Well Constructed
First Name	Last Name / Organization	orate Real Estat	e	Telephon	by Well Owner
Mailing Address (Street Number/N	ame) 72 SZ	Municipality	Province Posta	al Code Telephor	
Well Location	1000	10.04		Concess	sion
Address of Well Location (Street N 5 Dundas St.		Township			
County/District/Municipality		City/Town/Village Mississauga	a	Province Ontario	Postal Code
UTM Coordinates Zone Easting	Northing	Municipal Plan and Sub		OtheWKQ-(	008852 0 - A 03
NAD 8 3 7 6 1	7 14 4226 -		e back of this form)		
And a second	mmon Material	Other Materials	General Des	scription	Depth ( <i>m/ft</i> ) From To
BIK Asd	a/6	- ·//			3"5>
Bho Song		<u>3;/+</u>			5' 19
BRIVERY SSIT	C C	107	Weatered		140 170
URY MO	e		- Contraction of the second		
			· · · · · · · · · · · · · · · · · · ·		
	Annular Space			s of Well Yield Testi	and a second
Depth Set at ( <i>m/ft</i> ) From To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)	After test of well yield, water w	Time Water L	evel Time Water Level
17'6' 30	276		Other, specify	reason: Static	t) (min) (m/ft)
GO HO	golug				1
<i>\$10</i>	mart		Pump intake set at (m/ft)	2	2
			Pumping rate (Vmin / GPM)	3	3
Method of Construction	ond Public	Well Use	Duration of pumping	4	4
Rotary (Conventional)	g 🗌 Livestock	Municipal     Dewatering     Xest Hole     Monitoring	hrs +min	5	5
Boring Diggir	Industrial	Cooling & Air Conditioning	Final water level end of pump	ing (m/ft) 10	10
Denstruction	USh Other, specify	Status of Well	If flowing give rate (I/min / GF		15
Inside Open Hole OR Materia Diameter (Galvanized, Fibreglass	I Wall Depth	(m/ft) Water Supply	Recommended pump depth		20
(cm/in) Concrete, Plastic, Steel	) (cm/in) <sup>Prom</sup>	To Replacement Well	Recommended pump rate	25	30
à pre	,250	Compare Well     Dewatering Well	(I/min / GPM)	40	40
		Observation and/or     Monitoring Hole     Alteration	Well production (I/min / GPM	50	50
		(Construction)	Disinfected?	60	60
Construction	Record - Screen	Insufficient Supply		p of Well Location	
Outside Diameter (cm/in) Material (Plastic, Galvanized, Stee	el) Slot No. Erom	To Abandoned, other,	Please provide a map below f	ollowing instructions on t	he back.
205 DUC	,10 71	specify			
nac / / / C		Other, specify			
Water D		Hole Diameter			
Water found at Depth Kind of Wa (m/ft) Gas Other, s	10000LF 100000	Depth ( <i>m/ft</i> ) Diameter From To ( <i>cm/in</i> )			
Water found at Depth Kind of Wa		0196			
( <i>m/ft</i> ) Gas Other, s Water found at Depth Kind of Wa					
(m/ft) Gas Other, s	pecify	Information			
Business Name of Well Contractor		Well Contractor's Licence No.			
Strata Soil San Business Address (Street Number/I	Name)	7     2     4     1       Municipality	Comments: Ger	eral contra	actor:
165 Shields Co Province Postal Code	Business E-mail Addre	Markham	Pinch	nin Environ	mental
Ontario L3R	8V2 wrecord	ds@stratasoil.co	information	Audit Ne	nistry Use Only
905-1764-9304	Name of Well Technician (La	2 /Jik		17 1 19 1 19 1 19 1 19 1 19 1 19 1 19 1	<sup>•</sup> <b>z</b> 231548
Well Technician's Licence No. Signatu	re of Technician and/or Con	ntractor Date Submitted	Yes Date work Cor	MA MAC Received	VY Z 7 2016
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Ministry of the Environmen	t Well Tag No. (Place Sticker	and/or Print Below)	8471	анарын н	Record
Measurements recorded in:	A19798	S	n 903 Ontario I Pa		of
Well Owner's Information					
First Name Last Name / Organiza	rporate Real Est	E-mail Address			Constructed ell Owner
Mailing Address (Street Number/Name) [ [ h	Municipality	Province Postal Code	Telephor	ne No. <i>(inc</i> .	area code)
55 Yonge St, 4 + 400 Well Location	or Tlaranto		<u>ot    </u>		
Address of Well Location (Street Number/Name) 5 Dundas Street East	Township	Lot	Conces	sion	
County/District/Municipality	City/Town/Village Mississaug	a	Province	Posta	I Code
UTM Coordinates Zone, Easting , Northing	Municipal Plan and Sut		Ontario OtheWKQ-1		
NAD 8 3 1 76117114824	612120	hand a filler failed	A	0 - A 0	·0
Overburden and Bedrock Materials/Abandonment General Colour Most Common Material	Other Materials	General Description	1	Der From	oth ( <i>m/ft</i> )
Grey Concrete				0	0.5'
Brown Fill	-			0.5	2
Grey Clay				2'	4.5
Annular Space Depth Set at ( <i>m/t</i> ) Type of Sealant Use	ed Volume Placed	After test of well yield, water was:	Draw Dowi	and the state of the	Recovery
From To (Material and Type)	(m³/fi³)	Clear and sand free	Time Water L (min) (m/ft		Water Level (m/ft)
0 05 concrete/flas	s hours	If pumping discontinued, give reason:	Static Level		
0.5 1.5 Benseal 1.5'4.5' Sand			1	1	
1.0 Los Sand		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)	☐Xfest Hole ☐Xionitoring	hrs + min	5	5	
□ Boring □ Digging □ Irrigation □ Air percussion □ Industrial □ Wither specify □ Direct Push □ Other speci	Cooling & Air Conditioning	Final water level end of pumping (m/ft)	10	10	
Construction Record - Casing	Status of Weil	If flowing give rate (I/min / GPM)	15	15	
	apth ( <i>m/ft</i> ) Uater Supply	Recommended pump depth (m/ft)	20	20	
(cm/in) Concrete, Plastic, Steel) (cm/in) From	Xest Hole	Recommended pump rate	25	25	
1.25" PUC 0.125" O	21 C Recharge Well	(I/min / GPM)	30	30 40	
	Monitoring Hole	Well production (I/min / GPM)	50	50	
	Construction (Construction)	Disinfected?	60	60	
Construction Record - Screen	Abandoned, Insufficient Supply		all Location		
Diameter (Diantio Calvanized Steal) Slot No.	epth ( <i>m/ft</i> ) Water Quality	Please provide a map below following	instructions on th	e back.	
(cm/in) (Hadie, Gervanicou, Ge	specify				
Water Details	Hole Diameter		Л		
Water found at Depth Kind of Water: Fresh Untest	ed Depth ( <i>m/ft</i> ) Diameter From To ( <i>cm/in</i> )	See P	lad		
(m/tt) Gas Other, specify	ed O 9.5 2.25	Seer	T		
( <i>m/ft</i> ) Gas Other, specify Water found at Depth Kind of Water: Fresh Unteste					
( <i>m/ft</i> ) Gas Other, <i>specify</i>		Mul			
Well Contractor and Well Technic Business Name of Well Contractor	Vell Contractor's Licence No.				
Strata Soil Sampling Inc.	7241			1	
Business Address (Street Number/Name) 165 Shields Court	Municipality Markham	Comments: General Pinchin B	<del>. contra</del> Environm		
Province Postal Code Business E-mail A Ontario L3R 8V2 wrecc	ddress ords@stratasoil.co			192121000000000000000000000000000000000	
Bus.Telephone No. (inc. area code) Name of Well Fechnician	(Last Name, First Name)	package		istry Use Zクス ′	<sup>Only</sup>
Well Technician's Licence No. Signature of Technician and/or S	Pontractor Date Submitted	delivered Date Work Completed			
3833 0506E (2014/11)	YYYY WMDD	2016042	- 7 Receiving	Y 2720	(4/5
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Antario Measurements recorded	Ministry of the Environment and Climate Change in: Metric Merrial	Well Tag No. (Place Sticker and for Below) AI99312 Tag#: A199312	Well Record Regulation 903 Ontario Water Resources Act
measurements recorded	m: Metric Compenat	Tag#: A1300	S 72082 - Page of

ROYAL BANK OF CANADA

L Dunclas Struct West     Long Controlling	Address of Well Location (Street Number/Name)	Township	Lot	Concessio	n
Unit Coordinates: Zuncy Exating         Distance         Ondatable           Nucleositiones: Zuncy Exating         Nonconstructions and exactors wherease on the weap state wherease on the					
Unit Construction Resort - Casing Proving Resort Resort Number Description Provided - Casing Provided	County/District/Municipality	· · · ·			
Order transmission         Description         Description         Description           Order transmission         And and and and and an analysis of an ananalysis of an analysis of an analysis of an anananalysis of an a		Municipal Plan and Sublot		OtherWKO-0	10354
Description         Description         Description           Bill         Application         3         7           Bill         Application         3         7           Bill         Application         3         7           Bill         Application         0         3         7           Bill         Construction         0         7         7         7           Bill         Construction         0         7         7         7         7           Days Disc Looff         Top of dealered load         0         0         7 <td< td=""><td></td><td></td><td></td><td>à C</td><td>) - A 02</td></td<>				à C	) - A 02
Brand Product     Brand Product     Description     Product     Product       Brand Product     Sinth     Classes     Classes     Classes     Classes       Brand Product     Description     Description     Description     Classes     Description       Brand Product     Description     Description     Description     Description     Description       Brand Product     Description     Description     Description     Description     Description       Brand Product     Description     Description     Description     Description       Brand Product     Description     Description     Description     Description       Brand Product     Description     Description <td></td> <td></td> <td></td> <td></td> <td>Depth (m/ft)</td>					Depth (m/ft)
Matheway     Sinth     Classify       Barren Samuel     Image: Sinth     Image: Sinth     Image: Sinth       Description     Sinth     Image: Sinth     Image: Sinth       Description     Image: Sinth     Image: Sinth     Image: Sinth       Image: Sinth     Image: Sinth     Image:		Other Matérials	General Description		From To
Another Seried     Manual Sector       Care Det al with the sector     Another Sector       Care Det al with the sector     Dep of Sector       Care Det al with the sector     Dep of Sector       Care Det al with the sector     Dep of Sector       Care Det al with the sector     Dep of Sector       Care Det al with the sector     Dep of Sector       Care Det al with the sector     Dep of Sector       Care Det al with the sector     Dep of Sector       Care Det al with the sector     Dep of Sector       Care Det al with the sector     Dep of Sector       Care Det al with the sector     Dep of Sector       Dep of Sec	BIC HSMUN				
American Space         Construction         Constructio	Krow SIPT	clay	······································		······································
Deprivate (mit)         Type of States Used         Output end States Used         Output end States Used         Date: Edit output with voter vest         Date: Edit output end	Brey Shale	·			10 15
Deprivate (mit)         Type of States Used         Output end States Used         Output end States Used         Date: Edit output with voter vest         Date: Edit output end	<u> </u>		,,,,,,, , , , , , , , , , , , , , , ,		
Deprivate (mit)         Type of States Used         Output end States Used         Output end States Used         Date: Edit output with voter vest         Date: Edit output end					
Deprivate (mit)         Type of States Used         Output end States Used         Output end States Used         Date: Edit output with voter vest         Date: Edit output end			·		
Deprivate (mit)         Type of States Used         Output end States Used         Output end States Used         Date: Edit output with voter vest         Date: Edit output end			·		
Deprivate (mit)         Type of States Used         Output end States Used         Output end States Used         Date: Edit output with voter vest         Date: Edit output end					
Deprivate (mit)         Type of States Used         Output end States Used         Output end States Used         Date: Edit output with voter vest         Date: Edit output end					
From       The approximation of the second sec					where we have a second s
Image: Second Processor       Image: Second Processor <td></td> <td></td> <td></td> <td></td> <td></td>					
Image: Construction       Image: Construction<				(min) (m/ft)	
A       A       A       A         Method of Construction       Public       Construction       Public       Construction       A       A         Proving rate activity       Construction	1" SI Endoile		If pumping discontinued, give reason:		
Method of Construction         Well Use	G a Barbart			1	1
Weit Use         Method         Construction         Method         Construction         Method         Construction         Method         Construction         Method         Construction         Method         Method <th< td=""><td>2 13 Jan &amp;</td><td></td><td>Pump intake set at (m/ft)</td><td>2</td><td>2</td></th<>	2 13 Jan &		Pump intake set at (m/ft)	2	2
Weil Use       Weil Use         Cashe Total       Dennesis       Nuncicel       Downlering         Cashe Total       Dennesis       Downlering       Division of pumping       4       4         Manual Construction       Dennesis       Downlering       Division of pumping       4       4         Manual Construction       Dennesis       Dennesis       Dennesis       Dennesis       Dennesis         Mark Persussion       Diract Push       Other Agency       Dennesis       Dennesis       Dennesis         Mark Persussion       Diract Push       Other Agency       Dennesis       Dennesis       Dennesis         Mark Persussion       Construction Record - Casing       Status of Weil       Recommended pump depth (mrft)       25       25         Mark Persussion       Persussion       Persussion       Recommended pump depth (mrft)       20       20         Mark Coality       Persussion       Persussion       Recommended pump depth (mrft)       25       25         Mark Coality       Dennesis       Dennesis       Dennesis       Recommended pump depth (mrft)       26       26         Mark Coality       Associal       Status of Weil Coality       Associal       30       30       30       30       30			Duraning rate (//min / GPM)	3	3
Duration for purpting       I Duration in provide in the provider in provider in the p				4	4
□consp (Revense)       □rving       □vestock       □get Hole       □vestock         □consp (Revense)       □sping       □rving       □rving <td></td> <td></td> <td></td> <td>1]</td> <td></td>				1]	
Industrial       Industrial </td <td>Rotary (Reverse)</td> <td></td> <td></td> <td></td> <td></td>	Rotary (Reverse)				
Construction Record - Casing       Status of Well         Inside Concert-Alacto Steels       Well       Depth (rr/l)       Water Supply         Diameter (m/n)       Concert-Alacto Steels       Thickness (cm/n)       Paperh (rr/l)       Recommended pump depth (rr/l)       20       20         Diameter (m/n)       Concert-Alacto Steels       Thickness (cm/n)       Paperh (rr/l)       Recommended pump depth (rr/l)       25       25         Device Alacto Steels       Thickness (cm/n)       Concert-Alacto Steels       Thickness (cm/n)       Alactoriant Steels       40       40         Device Alacto Alactoriant Steels       Stot Nc.       Depth (rr/l)       Alactoriant Steels       40       40         Construction Record - Screen       Construction Record - Screen       Construction Record - Screen       Alactoriant Steel       Status of Well Contractor Steels       Mage of Well Location         Diameter (m/n)       Reservice Alactoriant Steel       Stot Nc.       Pepth (rr/l)       Alactoriant Steel       Stot Nc.       Pepth (rr/l)       Alactoriant Steel       Mage of Well Contractor Steel       Mage of Well Contractor Steels       Mage of Well Contractor Steels <td></td> <td>cosing &amp; Air Concluoning</td> <td></td> <td>10</td> <td>10</td>		cosing & Air Concluoning		10	10
Inside Definition       Open Hole OP. Material (month)       Popti (m/R) (month)       Depti (m/R) (month)       Popti (m/R) (m/R)       Popti (m/R) (m/R) <t< td=""><td></td><td></td><td>If flowing give rate (Vmin / GPM)</td><td>15</td><td>15</td></t<>			If flowing give rate (Vmin / GPM)	15	15
Diameter       Converse-gests:       Find       To       Pepideament Well         (min / GPM)       Concreat-gests:       (min / GPM)       30       30         (min / GPM)       Concreat-gests:       (min / GPM)       40       40         (min / GPM)       Construction Record - Screen       (min / GPM)       40       40         (min / GPM)       Construction Record - Screen       (Construction Record - Screen       (Construction Record - Screen       (Construction Record - Screen         (min / GPM)       Construction Record - Screen       (Construction Record - Screen       (Construction Record - Screen       (Construction Record - Screen         (min / GPM)       (Record - Screen       (Construction Record - Screen       (Construction Record - Screen       (Construction Record - Screen         (min / Case       Material       From       (Construction Record - Screen       (Construction Record - Screen         (min / Case       Water Outalis       Strata Science Screen       (Construction Record - Screen       (Construction Record - Screen         Water found at Depth       Kind of Water:       Frees       Instruction Record - Screen       (Construction Record - Screen         Water found at Depth       Kind of Water:       Frees       Onter Screen       (Construction Record - Screen         Water found at Depth			Recommended nump depth (m/ft)	20	20
Image: Name	Diameter (Galvanized, Fibreglass, Thickness	To Replacement Well		25	25
Image: Construction Record - Screen       Observeton and Construction (Min / GPM)       40       40       40         Image: Construction Record - Screen       Observeton and Construction (Min / GPM)       50       50         Image: Construction Record - Screen       Observeton and Construction (Min / GPM)       50       50         Image: Construction Record - Screen       Observeton and Construction (Min / GPM)       50       60       60         Image: Construction Record - Screen       Observeton and Construction (Min / GPM)       Abandoned.       100       60       60         Image: Construction Record - Screen       Depth (mil)       Abandoned.       Ne       60       60         Image: Construction Record - Screen       Depth (mil)       Abandoned.       Ne       Pease provide a map below following instructions on the back.         Image: Construction at Depth (mil)       Gase Context specify       Abandoned.       Ne       Pease provide a map below following instructions on the back.         Image: Context specify       Mater found at Depth (mil)       Gase Context specify       Depth (mil)       Depth (mil)       Depth (mil)       Abandoned.         Image: Context specify       Mater found at Depth Kind of Water: Fresh Image: Province Screen       Image: Province Screen       Image: Province Screen       Maniopality         Mater found at Depth Kind		2 ☐ Jest Hole Recharge Well		30	30
Understand       Understand       Understand       Sol       Sol <td< td=""><td></td><td>Dewatering Well</td><td></td><td>40</td><td>40</td></td<>		Dewatering Well		40	40
Image: Construction Record - Screen       Construction         Outside       Matorial         Dismicester       From         Construction       Depth (m/t)         Abandoned, Poor         Water Outside       Stot No.         From       To         Construction       Construction Record - Screen         Outside       Stot No.         From       To         Construction       Construction Record - Screen         Water Outside       Stot No.         Water Outside       Stot No.         Water Outside       Stot No.         Water Outside       Construction         Water Outside       Construction         Water found at Depth       Kind of Water:         From       To         (m/ti)       Gas         Other, specify       Diameter         Water found at Depth       Kind of Water:         Water found at Depth       Kind of Water:         The Solid Contractor       From         Water found at Depth       Kind of Water:         Fresh       Untested         Water found at Depth       Kind of Water:         The Solid Contractor       From         Strata Solid Scourt		Monitoring Hole	Well production (I/min / GPM)	50	50
Construction Record - Screen       Abandoned, Poor         Oudside       Material       Depth (m/it)       Abandoned, Poor         Oudside       Sterial       Stot No.       From       To         Oudside       Stot No.       From       To       Abandoned, Poor         Outside       Stot No.       From       To       Abandoned, Poor         Other, specify       Abandoned, Poor       Abandoned, Poor       Ne.       Abandoned, Poor         Water found at Depth       Kind of Water:       From       To       Cher, specify       Please provide a map below following instructions on the back.         Water found at Depth       Kind of Water:       Frosh       Untested       Convior       To       To         Water found at Depth       Kind of Water:       Fresh       Untested       Convior       To       To       To       To         Water found at Depth       Kind of Water:       Fresh       Untested       Vell Contractor Supplicity       To			Disinfected?		
Mage of Weil Location         Outside Diameter (cm/n)       Mage of Weil Location         Outside Diameter (cm/n)       Mage of Weil Location         Water Outliv (m/n)       Depth (m/n)       Depth (m/n)         Water Outliv (m/n)       Image of Weil Locations on the back.         Water Outliv (m/n)       Image of Weil Locations on the back.         Water found at Depth       Kind of Water: (m/n)       Fresh       Untested         Prom       To       Depth (m/n)       Depth (m/n)       Depth (m/n)         Water found at Depth       Kind of Water: (m/n)       Fresh       Untested       Depth (m/n)		, <b></b>			60
Disperviser (amin)       Meteral (Plastic, Gavanzed, Steel)       Slot No.       Deput (virity) From       Abandoned, other, specify         Image: Strest Contractor         Image: Strest Contractor       Image: Strest Contractor       Image: Strest Contractor       Image: Strest Contractor       Image: Strest Contractor       Image: Strest Contractor         Image: Strest Contractor       Image: Strest Contractor       Image: Strest Contractor       Image: Strest Contractor       Image: Strest Contractor       Image: Strest Contractor         Image: Strest Contractor       Image: Strest Contractor       Image: Strest Contractor       Image: Strest Contractor       Image: Strest Contractor         Image: Strest Contractor       Image: Strest Contractor       Image: Strest Contractor       Image: Strest Contractor       Image: Strest Contractor         Image: Strest Contract Contractor       Image: Strest Contractor       Image: Strest Contractor       Image: Strest Contractor       Image: Strest Contractor         Image: Strest Contract Cont		Abandoned, Poor			the back
Image: Contract of the specify       Image: Contract of the specify         Water found at Depth       Kind of Water:       Fresh       Untested       Depth (m/ft)       Diameter         (m/ft)       Gas       Other, specify       Image: Contract of the specify       Image: Contract of the specify       Image: Contract of the specify         Water found at Depth       Kind of Water:       Fresh       Untested       Image: Contract of the specify       Image: Contract of the specify         Water found at Depth       Kind of Water:       Fresh       Untested       Image: Contract of the specify       Image: Contract of the specify         Water found at Depth       Kind of Water:       Fresh       Untested       Image: Contract of the specify       Image: Contract of the specify         Water found at Depth       Kind of Water:       Fresh       Untested       Image: Contract of the specify       Image: Contract of the specify         Weil Contractor       Mell Contractor       Image: Contract of the specify       Image: Contract of the specify       Image: Contract of the specify         Business Address (Street Number/Name)       Municipality       Municipality       Comments:       General contract or :         Province       Postal Code       Business Address       Strata Soil .cc       Musicipality       Addit No. Z 2 / 0.10 A <t< td=""><td>Diameter (Plastic Galvanized Steel) Slot No.</td><td></td><td>Fiease provide a map below lonow</td><td>ing manufactions of</td><td>A a</td></t<>	Diameter (Plastic Galvanized Steel) Slot No.		Fiease provide a map below lonow	ing manufactions of	A a
Water Details       Hole Diameter         Water found at Depth       Kind of Water:       Fresh       Untested       Depth ( <i>mft</i> )       Diameter         ( <i>mft</i> )       Gas       Other, specify       To       ( <i>cmin</i> )       To       ( <i>cmin</i> )         Water found at Depth       Kind of Water:       Fresh       Untested       IS       IS       IS         Water found at Depth       Kind of Water:       Fresh       Untested       IS		specify		1 1	1/1/2
Water found at Depth       Kind of Water:       Fresh       Untested       Depth (m/ft)       Diameter (cm/in)         Water found at Depth       Kind of Water:       Fresh       Untested       Image: Com/in)       Imag	d. AS 1 10 3 1			e l	Map
Water found at Depth       Kind of Water:       Fresh       Untested       Depth (m/ft)       Diameter (cm/in)         Water found at Depth       Kind of Water:       Fresh       Untested       Image: Com/in)       Imag					17
(m/ft)       Gas       Other, specify       From       fo       (cm/ft)         Water found at Depth       Kind of Water:       Fresh       Untested       13       0         (m/ft)       Gas       Other, specify		a a series de la casa d		x	,
(m/t)       Gas       Other, specify         Water found at Depth       Kind of Water:       Fresh       Untested         (m/t)       Gas       Other, specify		From To (cm/in)		$\int$	4
Water found at Depth       Kind of Water:       Fresh       Untested         (m/ft)       Gas       Other, specify	Water found at Depth Kind of Water: Fresh Untested	0 13 0		×	
(m/ft) Gas Other, specify         Well Contractor and Well Technician Information         Business Name of Well Contractor and Well Technician Information         Business Name of Well Contractor and Well Technician Information         Strata Soil Sampling Inc.       7 2 4 1         Business Address (Street Number/Name)       Municipality       Comments:       General contractor:         165 Shields Court       Markham       Pinchin Environmental         Province       Postal Code       Business E-mail Address       Ontario       L3R & V2       wrecords@stratasoil.co         Bus. Telephone No. (inc. area code)       Name of Well Technician (Last Name, First Name)       Job Package Delivered       Ministry Use Only         Well Technician's Licence No. Signature of Technician and/or Contractor Date Submitted       Yes       Date Work Completed       OCT 15 2017         Well Technician's Licence No. Signature of Technician and/or Contractor Date Submitted       No       Yes       Zet 17 mmmer/10 / Job Package					
Well Contractor and Well Technician Information         Business Name of Well Contractor         Strata Soil Sampling Inc.       7 2 4 1         Business Address (Street Number/Name)       Municipality         165 Shields Court       Markham         Province       Postal Code       Business E-mail Address         Ontario       L3R 8V2       wrecords@stratasoil.co         Bus.Telephone No. ( <i>inc. area code</i> )       Name of Well Technician (Last Name, First Name)       Date Package Delivered       Ministry Use Only         WelFechnician's Licence No.       Signature of Technician and/or Contractor Date Submitted       No       Z 7 0 10 4         WelFechnician's Licence No.       Signature of Technician and/or Contractor Date Submitted       No       Z 7 0 10 4         WelFechnician's Licence No.       Signature of Technician and/or Contractor Date Submitted       No       Z 7 0 10 4         WelFechnician's Licence No.       Signature of Technician and/or Contractor Date Submitted       No       Z 7 0 10 4	· · · · · · · · · · · · · · · · · · ·				
Strata Soil Sampling Inc.       7 2 4 1         Business Address (Street Number/Name)       Municipality         165 Shields Court       Markham         Province       Postal Code       Business E-mail Address         Ontario       I L3R 8V2       wrecords@stratasoil.co       Mwell owner's information package         Bus. Telephone No. (inc. area code)       Name of Well Technician (Last Name, First Name)       Date Package Delivered delivered       Ministry Use Only         905-764-9304       Value Only       Municipality       Date Work Completed       OCT 15 2017         Well Technician's Licence No.       Signature of Technician and/or Centractor Date Submitted       Ne       Ne       Z 4 1 7 mmen and a construction and a construction and a construction base submitted         J 6       Watter Mathematical Address       Ne       Z 4 1 7 mmen a construction and a construction base submitted	Well Contractor and Well Technician Inf				
Business Address (Street Number/Name)       Municipality         165 Shields Court       Markham         Province       Postal Code         Business E-mail Address       Markham         Ontario       L3R 8V2       wrecords@stratasoil.co         Bus. Telephone No. (inc. area code)       Name of Well Technician (Last Name, First Name)       Date Package Delivered       Ministry Use Only         905-764-9304       Value Volt Volt Volt Markov       Olt Package       Date Work Completed       Olt Package         Wel Technician's Licence No.       Signature of Technician and/or Centractor Date Submitted       No       No       24 1 7 mm       Received					
165 Shields Court       Markham       Pinchin Environmental         Province       Postal Code       Business E-mail Address       Pinchin Environmental         Ontario       LBR 8V2       wrecords@stratasoil.co       Name of Well Technician (Last Name, First Name)       Date Package Delivered       Ministry Use Only         Bus.Telephone No. (inc. area code)       Name of Well Technician (Last Name, First Name)       Date Package Delivered       Audit No. Z270104         905-764-9304       Value 001/4000       Date Submitted       Date Work Completed       0CT 15 2017         Well Technician's Licence No.       Signature of Technician and/or Centrator Date Submitted       No       24 1/7 mm       Received			Comments: Genera	al contra	actor:
Province       Postal Code       Business E-mail Address         Ontario       IBR 8V2       wrecords@stratasoil.co       Date Package Delivered       Ministry Use Only         Bus.Telephone No. (inc. area code)       Name of Well Technician (Last Name, First Name)       Date Package Delivered       Audit No. Z270104         905-764-9304       Value of Technician and/or Contractor Date Submitted       Date Work Completed       OCT 1.5 2017         Welfechnician's Licence No. Signature of Technician and/or Contractor Date Submitted       No       Z 1.7 mm (R) 1.2 mm (R) 1.2 mm (R)	165 Shields Court	Markham		1.	
Bus. Telephone No. (inc. area code)       Name of Well Technician (Last Name, First Name)       information         905-764-9304       V0001/40001/40000       Date Work Completed         Well Technician's Licence No.       Signature of Technician and/or Contractor Date Submitted       Date Work Completed         764       9007       9007       9007       9007         Well Technician's Licence No.       Signature of Technician and/or Contractor Date Submitted       9007       907         9007       907       907       907       907       907         9007       907       907       907       907       907         9007       907       907       907       907       907         9007       907       907       907       907       907         9007       907       907       907       907       907         9007       907       907       907       907       907         9007       907       907       907       907       907       907					
905-764-9304     Value back     Andrew       Wei Technician's Licence No.     Signature of Technician and/or Centragtor Date Submitted     Date Work Completed       36     C     C     C       36     C     C     C			information	12.575 (2014) (2014)	
Welf Technician's Licence No. Signature of Technician and/or Contractor Date Submitted	1 905+764-9304 Vaule book	Andrew	delivered		OCT 5 2017
COS C C C C C C C C C C C C C C C C C C	Well Jechnician's Licence No. Signature of Technician and/or Contra	gtor Date Submitted			
	USOGE (2014/11)				



## **APPENDIX D**

Water Balance Summary Tables

	Site				
Characteristic	Pre- Development	Post- Development	Change (F	Pre to Post)	
	Inputs (Vo	olume)			
Precipitation (m <sup>3</sup> /yr)	4,974	4,974	0	0%	
Run-On (m³/yr)	0	0	0	NA	
Other Inputs (m³/yr)	0	0	0	NA	
Total Inputs (m³/yr)	4,974	4,974	0	0%	
	Outputs (V	olume)		•	
Precipitation Surplus (m <sup>3</sup> /yr)	1,845	2,993	1,147	62%	
Net Surplus (m3/yr)	1,845	2,993	1,147	62%	
Evapotranspiration (m <sup>3</sup> /yr)	3,129	1,981	-1,147	-37%	
Infiltration (m <sup>3</sup> /yr)	862	412	-450	-52%	
Rooftop Infiltration (m <sup>3</sup> /yr)	0	0	0	NA	
Total Infiltration (m <sup>3</sup> /yr)	862	412	-450	-52%	
Run-Off Pervious Areas (m <sup>3</sup> /yr)	983	441	-542	-55%	
Run-Off Impervious Areas (m³/yr)	0	2,139	2,139	NA	
Total Run-Off (m <sup>3</sup> /yr)	983	2,581	1,598	163%	
Total Outputs (m <sup>3</sup> /yr)	4,974	4,974	0	0%	

#### Table C: Water Balance Summary Table

### Table A: Pre-Development

Catchment Designation	Forest	Landscaped Grass	Total	
Area (m²)	4,300	2,085	6,385	
Pervious Area (m <sup>2</sup> )	4,300	2,085	6,385	
Impervious Area (m <sup>2</sup> )	0	0	0	
Infiltration Factors	-		-	
Topography Infiltration Factor	0.2	0.2		
Soil Infiltration Factor	0.1	0.1		
Land Cover Infiltration Factor	0.2	0.1		
Infiltration Factor	0.5	0.4		
Run-Off Coefficient	0.5	0.6		
Run-Off From Impervious Surfaces	0.8	0.8		
Inputs (Per Unit Area)				
Precipitation (mm/yr)	779	779	779	
Rainfall (mm/yr)	632	632	632	
Run-On (mm/yr)	0	0	0	
Other Inputs (mm/yr)	-		0	
Total Inputs (mm/yr)	779	779	779	
Outputs (Per Unit Area) Precipitation Surplus (mm/yr)	289	289	000	
Net Surplus (mm/yr)	289	289	289 289	
Evapotranspiration (mm/yr)	490	490	490	
Infiltration (mm/yr)	145	116	135	
Surplus Infiltration (mm/yr)	0	0	0	
Total Infiltration (mm/yr)	145	116	135	
Run-Off Pervious Areas (mm/yr)	145	173	154	
Run-Off Impervious Areas (mm/yr)	0	0	0	
Total Run-Off (mm/yr)	145	173	154	
Total Outputs (mm/yr)	779	779	779	
Difference (Inputs - Outputs)	0	0	0	
Inputs (Volumes)	·			
Precipitation (m <sup>3</sup> /yr)	3,350	1,624	4,974	
Run-On (m <sup>3</sup> /yr)	0	0	0	
Other Inputs (m <sup>3</sup> /yr)	0	0	0	
Total Inputs (m <sup>3</sup> /yr)	3,350	1,624	4,974	
Outputs (Volumes)	, ,	· · ·		
Precipitation Surplus (m <sup>3</sup> /yr)	1,243	603	1,845	
Net Surplus (m <sup>3</sup> /yr)	1,243	603	1,845	
Evapotranspiration (m <sup>3</sup> /yr)	2,107	1,022	3,129	
Infiltration (m <sup>3</sup> /yr)	621	241	862	
Surplus Infiltration (m <sup>3</sup> /yr)	021	0	0	
	-	-		
Total Infiltration (m <sup>3</sup> /yr)	621	241	862	
Run-Off Pervious Areas (m <sup>3</sup> /yr)	621	362	983	
Run-Off Impervious Areas (m³/yr)	0	0	0	
Total Run-Off (m <sup>3</sup> /yr)	621	362	983	
Total Outputs (m <sup>3</sup> /yr)	3,350	1,624	4,974	
Difference (Inputs - Outputs)	0	0	0	

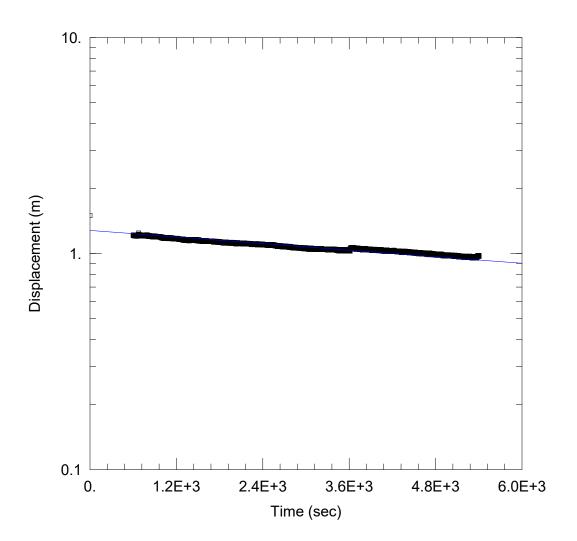
### Table B: Post-Development (no mit)

Area (m²)       2         Pervious Area (m²)       2         Impervious Area (m²)       2         Infiltration Factors       7         Topography Infiltration Factor       2         Soil Infiltration Factor       2         Infiltration Factor       2         Infiltration Factor       1         Infiltration Factor       1         Infiltration Factor       1         Run-Off Coefficient       8         Run-Off From Impervious Surfaces       1         Inputs (Per Unit Area)       9         Precipitation (mm/yr)       1         Run-On (mm/yr)       1         Outputs (Per Unit Area)       9         Precipitation Surplus (mm/yr)       1         Outputs (Per Unit Area)       9         Precipitation Surplus (mm/yr)       1         Evapotranspiration (mm/yr)       1         Surplus Infiltration (mm/yr)       1         Surplus Infiltration (mm/yr)       1         Run-Off Pervious Areas (mm/yr)       1         Run-Off Pervious Areas (mm/yr)       1         Total Outputs (mm/yr)       1         Total Outputs (mm/yr)       1         Difference (Inputs - Outputs)       1	450	Landscaped Grass 502 502 0 0 0.2 0.1 0.4 0.6 0.8 779 632 0 0 779 632 0 0 779 289 289	Structure           3,433           0           3,433           0      0	Total 6,385 2,952 3,433 779 632 0 0 779 400
Pervious Area (m <sup>2</sup> )       2         Impervious Area (m <sup>2</sup> )       2         Infiltration Factors       5         Topography Infiltration Factor       2         Land Cover Infiltration Factor       1         Run-Off Coefficient       1         Run-Off From Impervious Surfaces       1         Inputs (Per Unit Area)       1         Precipitation (mm/yr)       1         Run-On (mm/yr)       1         Other Inputs (mm/yr)       1         Other Inputs (mm/yr)       1         Precipitation Surplus (mm/yr)       1         Evapotranspiration (mm/yr)       1         Surplus Infiltration (mm/yr)       1         Surplus Infiltration (mm/yr)       1         Run-Off Pervious Areas (mm/yr)       1         Total Inputs (mm/yr)       1         Surplus Infiltration (mm/yr)       1         Total Nuport (mm/yr)       1         Difference (Inputs - Outputs)       1         Inputs (Volumes)       1	450 0 0.2 0.1 0.2 0.5 0.5 0.5 0.5 0.8 0 779 0 0.32 0 0 0 0 0 0 289 0 289 0	502 0 0.2 0.1 0.1 0.4 0.6 0.8 779 632 0 0 779 632 0 779 289	0 3,433 0 0 0 0 1 1 0.8 779 632 0 0 0 779 632 0 0 779	2,952 3,433 779 632 0 0 779
Impervious Area (m²)         Infiltration Factors         Topography Infiltration Factor         Soil Infiltration Factor         Land Cover Infiltration Factor         Infiltration Factor         Run-Off Coefficient         Run-Off From Impervious Surfaces         Inputs (Per Unit Area)         Precipitation (mm/yr)         Run-On (mm/yr)         Other Inputs (mm/yr)         Outputs (Per Unit Area)         Precipitation Surplus (mm/yr)         Outputs (Per Unit Area)         Precipitation Surplus (mm/yr)         Surplus (mm/yr)         Surplus Infiltration (mm/yr)         Surplus Infiltration (mm/yr)         Surplus Infiltration (mm/yr)         Run-Off Pervious Areas (mm/yr)         Surplus Infiltration (mm/yr)         Run-Off Pervious Areas (mm/yr)         Run-Off Pervious Areas (mm/yr)         Total Infiltration (mm/yr)         Run-Off Pervious Areas (mm/yr)         Total Outputs (mm/yr)         Difference (Inputs - Outputs)         Inputs (Volumes)         Precipitation (m³/yr)       1         Run-On (m³/yr)       1         Outputs (m³/yr)       1         Run-Off (ms/yr)       1         Difference (I	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0.2 0.1 0.1 0.4 0.6 0.8 779 632 0 0 779 632 0 779 289	3,433 0 0 0 1 0.8 779 632 0 0 0 779 632 0 0 0 779 632 0 0 0 779 632 0 0 0 0 0 0 0 0 0 0 0 0 0	3,433 779 632 0 0 779
Infiltration Factors         Topography Infiltration Factor         Soil Infiltration Factor         Land Cover Infiltration Factor         Infiltration Factor         Run-Off Coefficient         Run-Off From Impervious Surfaces         Inputs (Per Unit Area)         Precipitation (mm/yr)         Run-On (mm/yr)         Other Inputs (mm/yr)         Outputs (Per Unit Area)         Precipitation Surplus (mm/yr)         Outputs (Per Unit Area)         Precipitation Surplus (mm/yr)         Outputs (Per Unit Area)         Precipitation Surplus (mm/yr)         Surplus (mm/yr)         Evapotranspiration (mm/yr)         Surplus Infiltration (mm/yr)         Surplus Infiltration (mm/yr)         Run-Off Pervious Areas (mm/yr)         Run-Off Pervious Areas (mm/yr)         Run-Off Inpervious Areas (mm/yr)         Total Outputs (mm/yr)         Difference (Inputs - Outputs)         Inputs (Volumes)         Precipitation (m³/yr)         Other Inputs (m³/yr)         Other Inputs (m³/yr)         Outputs (m³/yr)         Total Inputs (m³/yr)         Net Surplus (m³/yr)         Total Inputs (m³/yr)         Net Surplus (m³/yr)	0.2       0.1       0.2       0.5       0.5       0.5       0.8       779       032       0       0       779       289       289	0.2 0.1 0.1 0.4 0.6 0.8 779 632 0 0 0 <b>779</b> 289	0 0 0 1 0.8 779 632 0 0 0 779 623	779 632 0 0 779
Topography Infiltration Factor         Soil Infiltration Factor         Land Cover Infiltration Factor         Infiltration Factor         Run-Off Coefficient         Run-Off From Impervious Surfaces         Inputs (Per Unit Area)         Precipitation (mm/yr)         Run-On (mm/yr)         Other Inputs (mm/yr)         Other Inputs (mm/yr)         Outputs (Per Unit Area)         Precipitation Surplus (mm/yr)         Outputs (Per Unit Area)         Precipitation Surplus (mm/yr)         Outputs (Per Unit Area)         Precipitation Surplus (mm/yr)         Surplus (mm/yr)         Evapotranspiration (mm/yr)         Surplus Infiltration (mm/yr)         Surplus Infiltration (mm/yr)         Run-Off Pervious Areas (mm/yr)         Total Run-Off (mm/yr)         Total Run-Off (mm/yr)         Total Run-Off (mm/yr)         Difference (Inputs - Outputs)         Inputs (Volumes)         Precipitation (m³/yr)         Other Inputs (m³/yr)         Total Inputs (m³/yr) <t< td=""><td>0.1         0.2           0.2         0.5           0.5         0.5           0.8         0           779         0           0.332         0           0         0           779         289           289         289</td><td>0.1 0.1 0.4 0.6 0.8 779 632 0 0 0 779 289</td><td>0 0 1 0.8 779 632 0 0 0 779 623</td><td>632 0 0 779</td></t<>	0.1         0.2           0.2         0.5           0.5         0.5           0.8         0           779         0           0.332         0           0         0           779         289           289         289	0.1 0.1 0.4 0.6 0.8 779 632 0 0 0 779 289	0 0 1 0.8 779 632 0 0 0 779 623	632 0 0 779
Soil Infiltration Factor         Land Cover Infiltration Factor         Infiltration Factor         Run-Off Coefficient         Run-Off From Impervious Surfaces         Inputs (Per Unit Area)         Precipitation (mm/yr)         Run-On (mm/yr)         Other Inputs (mm/yr)         Other Inputs (mm/yr)         Other Inputs (mm/yr)         Outputs (Per Unit Area)         Precipitation Surplus (mm/yr)         Outputs (Per Unit Area)         Precipitation Surplus (mm/yr)         Net Surplus (mm/yr)         Evapotranspiration (mm/yr)         Surplus Infiltration (mm/yr)         Surplus Infiltration (mm/yr)         Run-Off Pervious Areas (mm/yr)         Total Inputs (mm/yr)         Surplus Infiltration (mm/yr)         Run-Off Pervious Areas (mm/yr)         Total Run-Off (mm/yr)         Total Outputs (mm/yr)         Difference (Inputs - Outputs)         Inputs (Volumes)         Precipitation (m³/yr)       1         Run-On (m³/yr)       1         Outputs (m³/yr)       1         Run-Off Inputs (m³/yr)       1         Run-On (m³/yr)       1         Run-On (m³/yr)       1         Run-On (m³/yr) <td>0.1         0.2           0.2         0.5           0.5         0.5           0.8         0           779         0           0.332         0           0         0           779         289           289         289</td> <td>0.1 0.1 0.4 0.6 0.8 779 632 0 0 0 779 289</td> <td>0 0 1 0.8 779 632 0 0 0 779 623</td> <td>632 0 0 779</td>	0.1         0.2           0.2         0.5           0.5         0.5           0.8         0           779         0           0.332         0           0         0           779         289           289         289	0.1 0.1 0.4 0.6 0.8 779 632 0 0 0 779 289	0 0 1 0.8 779 632 0 0 0 779 623	632 0 0 779
Land Cover Infiltration Factor         Infiltration Factor         Run-Off Coefficient         Run-Off From Impervious Surfaces         Inputs (Per Unit Area)         Precipitation (mm/yr)         Rainfall (mm/yr)         Run-On (mm/yr)         Other Inputs (mm/yr)         Other Inputs (mm/yr)         Outputs (Per Unit Area)         Precipitation Surplus (mm/yr)         Outputs (Per Unit Area)         Precipitation Surplus (mm/yr)         Net Surplus (mm/yr)         Surplus Infiltration (mm/yr)         Surplus Infiltration (mm/yr)         Surplus Infiltration (mm/yr)         Run-Off Pervious Areas (mm/yr)         Total Outputs (mm/yr)         Total Outputs (mm/yr)         Difference (Inputs - Outputs)         Inputs (Volumes)         Precipitation (m³/yr)         Total Inputs (m³/yr)         Total Inputs (m³/yr)         Other Inputs (m³/yr)         Total Inputs (m³/yr)         Precipitation Surplus (m³/yr)         Net Surplus (m³/yr)         Yr </td <td>0.2     0.5       0.5     0.5       0.5     0.5       0.8     0       0.332     0       0     0       779     0       289     289</td> <td>0.1 0.4 0.6 0.8 779 632 0 0 0 779 289</td> <td>0 0 1 0.8 779 632 0 0 0 779 623</td> <td>632 0 0 779</td>	0.2     0.5       0.5     0.5       0.5     0.5       0.8     0       0.332     0       0     0       779     0       289     289	0.1 0.4 0.6 0.8 779 632 0 0 0 779 289	0 0 1 0.8 779 632 0 0 0 779 623	632 0 0 779
Infiltration Factor         Run-Off Coefficient         Run-Off From Impervious Surfaces         Inputs (Per Unit Area)         Precipitation (mm/yr)         Run-On (mm/yr)         Other Inputs (mm/yr)         Other Inputs (mm/yr)         Other Inputs (mm/yr)         Other Inputs (mm/yr)         Outputs (Per Unit Area)         Precipitation Surplus (mm/yr)         Net Surplus (mm/yr)         Surplus (mm/yr)         Surplus Infiltration (mm/yr)         Surplus Infiltration (mm/yr)         Surplus Infiltration (mm/yr)         Run-Off Pervious Areas (mm/yr)         Run-Off Impervious Areas (mm/yr)         Total Inputs (mm/yr)         Total Outputs (mm/yr)         Difference (Inputs - Outputs)         Inputs (Volumes)         Precipitation (m³/yr)         Total Inputs (m³/yr)         Total Inputs (m³/yr)         Quiputs (Volumes)         Precipitation Surplus (m³/yr)         Total Inputs (m³/yr)         Total Inputs (m³/yr)         Total Inputs (m³/yr)         Total Inputs (m³/yr)         Precipitation Surplus (m³/yr)         Total Inputs (m³/yr)         Total Inputs (m³/yr)         Total Inp	0.5 0.5 0.5 0.5 0.8 0.5 0.8 0.5 0.8 0.5 0.8 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	0.4 0.6 0.8 779 632 0 0 0 <b>779</b> 289	0 1 0.8 779 632 0 0 0 779 632 0 0 0 779 632 0 0 0 0 779 632 0 0 0 0 779 632 0 0 0 0 779 632 0 0 0 779 632 0 0 0 779 632 0 0 0 779 632 0 0 779 632 0 0 779 632 0 0 779 632 0 0 779 632 0 0 779 632 0 0 779 632 0 0 779 632 0 0 779 632 0 779 632 0 0 779 632 779 632 779 632 779 779 632 779 779 779 779 779 779 779 77	632 0 0 779
Run-Off Coefficient         Run-Off From Impervious Surfaces         Inputs (Per Unit Area)         Precipitation (mm/yr)         Rainfall (mm/yr)         Other Inputs (mm/yr)         Other Inputs (mm/yr)         Other Inputs (mm/yr)         Outputs (Per Unit Area)         Precipitation Surplus (mm/yr)         Outputs (Per Unit Area)         Precipitation Surplus (mm/yr)         Surplus (mm/yr)         Evapotranspiration (mm/yr)         Infiltration (mm/yr)         Surplus Infiltration (mm/yr)         Total Infiltration (mm/yr)         Run-Off Pervious Areas (mm/yr)         Total Run-Off (mm/yr)         Difference (Inputs - Outputs)         Inputs (Volumes)         Precipitation (m³/yr)         Total Inputs (m³/yr)         Total Inputs (m³/yr)         Total Inputs (m³/yr)         Run-On (m³/yr)         Other Inputs (m³/yr)         Total Inputs (m³/yr)	0.5 0.8 779 0 0 0 779 289 289 289	0.6 0.8 779 632 0 0 779 289	1 0.8 779 632 0 0 0 779 623	632 0 0 779
Run-Off From Impervious Surfaces         Inputs (Per Unit Area)         Precipitation (mm/yr)         Rainfall (mm/yr)         Run-On (mm/yr)         Other Inputs (mm/yr)         Other Inputs (mm/yr)         Outputs (Per Unit Area)         Precipitation Surplus (mm/yr)         Outputs (Per Unit Area)         Precipitation Surplus (mm/yr)         Net Surplus (mm/yr)         Evapotranspiration (mm/yr)         Surplus Infiltration (mm/yr)         Surplus Infiltration (mm/yr)         Run-Off Impervious Areas (mm/yr)         Total Outputs (mm/yr)         Total Outputs (mm/yr)         Difference (Inputs - Outputs)         Inputs (Volumes)         Precipitation (m <sup>3</sup> /yr)         Other Inputs (m <sup>3</sup> /yr)         Total Inputs (m <sup>3</sup> /yr)         Total Inputs (m <sup>3</sup> /yr)         Other Inputs (m <sup>3</sup> /yr)         Total Inputs (M <sup>3</sup> /yr)         Total Inputs (M <sup>3</sup> /yr)         Run-Off (m <sup>3</sup> /yr)         Total Inputs (M <sup>3</sup> /yr)         Total Inputs (M <sup>3</sup> /yr)         Precipitation Surplus (m <sup>3</sup> /yr)         Yr         Total Inputs (M <sup>3</sup> /yr)         Yr         Yr         Total Inputs (M <sup>3</sup> /yr)	0.8       779       332       0       0       779       289       289	0.8 779 632 0 0 <b>779</b> 289	0.8 779 632 0 0 779 623	632 0 0 779
Inputs (Per Unit Area)         Precipitation (mm/yr)         Rainfall (mm/yr)         Run-On (mm/yr)         Other Inputs (mm/yr)         Other Inputs (mm/yr)         Outputs (Per Unit Area)         Precipitation Surplus (mm/yr)         Surplus (mm/yr)         Surplus (mm/yr)         Surplus Infiltration (mm/yr)         Surplus Infiltration (mm/yr)         Surplus Infiltration (mm/yr)         Run-Off Pervious Areas (mm/yr)         Total Outputs (mm/yr)         Total Outputs (mm/yr)         Difference (Inputs - Outputs)         Inputs (Volumes)         Precipitation (m <sup>3</sup> /yr)         Ottal Inputs (m <sup>3</sup> /yr)         Total Inputs (m <sup>3</sup> /yr)         Total Inputs (m <sup>3</sup> /yr)         Precipitation (m <sup>3</sup> /yr)         Total Inputs (m <sup>3</sup> /yr)         Precipitation Surplus (m <sup>3</sup> /yr)         Net Surplus (m <sup>3</sup> /yr)         Yr         Yr         Yr         Yr         Total Inputs (M <sup>3</sup> /yr)         Yr	779 0 0 779 289 289	779 632 0 0 779 289	779 632 0 0 779 623	632 0 0 779
Precipitation (mm/yr)         Rainfall (mm/yr)           Rainfall (mm/yr)         Other Inputs (mm/yr)           Other Inputs (mm/yr)         Total Inputs (mm/yr)           Outputs (Per Unit Area)         Precipitation Surplus (mm/yr)           Precipitation Surplus (mm/yr)         Image: Stress (mm/yr)           Evapotranspiration (mm/yr)         Image: Stress (mm/yr)           Surplus Infiltration (mm/yr)         Surplus Infiltration (mm/yr)           Run-Off Pervious Areas (mm/yr)         Total Infiltration (mm/yr)           Total Outputs (mm/yr)         Image: Stress (mm/yr)           Difference (Inputs - Outputs)         Imputs (Volumes)           Precipitation (m³/yr)         1           Run-On (m³/yr)         1           Difference (Inputs - Outputs)         Inputs (Volumes)           Precipitation (m³/yr)         1           Run-On (m³/yr)         1           Other Inputs (m³/yr)         1           Outputs (volumes)         Precipitation (m³/yr)           Precipitation Surplus (m³/yr)         1           Outputs (Volumes)         Precipitation Surplus (m³/yr)           Precipitation Surplus (m³/yr)         1	332     0       0     0       779     289       289     289	632 0 0 <b>779</b> 289	632 0 0 779 623	632 0 0 779
Rainfall (mm/yr)         Inputs (mm/yr)           Run-On (mm/yr)         Other Inputs (mm/yr)           Outputs (Per Unit Area)         Precipitation Surplus (mm/yr)           Precipitation Surplus (mm/yr)         Inputs (Per Unit Area)           Evapotranspiration (mm/yr)         Infiltration (mm/yr)           Surplus Infiltration (mm/yr)         Infiltration (mm/yr)           Total Infiltration (mm/yr)         Run-Off Pervious Areas (mm/yr)           Total Run-Off (mm/yr)         Inputs (Volumes)           Precipitation (m³/yr)         1           Run-On (m³/yr)         1           Run-On (m³/yr)         1           Run-On (m³/yr)         1           Precipitation (m³/yr)         1           Outputs (Volumes)         Precipitation (m³/yr)           Precipitation Surplus (m³/yr)         1           Outputs (Volumes)         Precipitation Surplus (m³/yr)           Precipitation Surplus (m³/yr)         1           Outputs (volumes)         Precipitation Surplus (m³/yr)	332     0       0     0       779     289       289     289	632 0 0 <b>779</b> 289	632 0 0 779 623	632 0 0 779
Run-On (mm/yr)         Other Inputs (mm/yr)         Otter Inputs (mm/yr)         Total Inputs (Per Unit Area)         Precipitation Surplus (mm/yr)         Net Surplus (mm/yr)         Evapotranspiration (mm/yr)         Infiltration (mm/yr)         Surplus Infiltration (mm/yr)         Total Infiltration (mm/yr)         Run-Off Pervious Areas (mm/yr)         Run-Off Impervious Areas (mm/yr)         Total Outputs (mm/yr)         Total Outputs (mm/yr)         Difference (Inputs - Outputs)         Inputs (Volumes)         Precipitation (m³/yr)         Other Inputs (m³/yr)         Total Inputs (m³/yr)         Yr       Total Inputs (m³/yr)         Total Inputs (m³/yr)       1         Outputs (Volumes)       Precipitation Surplus (m³/yr)         Precipitation Surplus (m³/yr)       1	0 0 0 779 289 289 289 289	0 0 779 289	0 0 779 623	0 0 779
Other Inputs (mm/yr)         Total Inputs (mm/yr)         Outputs (Per Unit Area)         Precipitation Surplus (mm/yr)         Net Surplus (mm/yr)         Evapotranspiration (mm/yr)         Infiltration (mm/yr)         Surplus Infiltration (mm/yr)         Total Infiltration (mm/yr)         Run-Off Pervious Areas (mm/yr)         Total Outputs (mm/yr)         Total Run-Off (mm/yr)         Total Outputs (mm/yr)         Difference (Inputs - Outputs)         Inputs (Volumes)         Precipitation (m³/yr)         Other Inputs (m³/yr)         Total Inputs (m³/yr)         Yr)         Yr)         Total Inputs (m³/yr)         Total Inputs (m³/yr)         Yr)         Yr)         Yr)         Yr)         Yr)         Yr)         Yr)	0 779 289 289 289	0 779 289	0 779 623	0 779
Total Inputs (mm/yr)         Outputs (Per Unit Area)         Precipitation Surplus (mm/yr)         Net Surplus (mm/yr)         Evapotranspiration (mm/yr)         Evapotranspiration (mm/yr)         Surplus Infiltration (mm/yr)         Total Infiltration (mm/yr)         Run-Off Pervious Areas (mm/yr)         Run-Off Impervious Areas (mm/yr)         Total Run-Off (mm/yr)         Difference (Inputs - Outputs)         Inputs (Volumes)         Precipitation (m³/yr)         Other Inputs (m³/yr)         Total Inputs (m³/yr)         Total Surplus (m³/yr)         Total Inputs (m³/yr)         Precipitation (m³/yr)         Total Inputs (m³/yr)         Yr)         Yr)         Yr)         Total Inputs (m³/yr)         Yr)         Yr)         Yr)         Yr)         Yr)         Yr)         Yr)         Yr)         Yr)         Yr) <td>289 289</td> <td><b>779</b> 289</td> <td><b>779</b> 623</td> <td>779</td>	289 289	<b>779</b> 289	<b>779</b> 623	779
Outputs (Per Unit Area)         Precipitation Surplus (mm/yr)         Net Surplus (mm/yr)         Evapotranspiration (mm/yr)         Burplus Infiltration (mm/yr)         Surplus Infiltration (mm/yr)         Surplus Infiltration (mm/yr)         Run-Off Pervious Areas (mm/yr)         Run-Off Impervious Areas (mm/yr)         Total Run-Off (mm/yr)         Total Outputs (mm/yr)         Difference (Inputs - Outputs)         Inputs (Volumes)         Precipitation (m³/yr)         Other Inputs (m³/yr)         Total Inputs (m³/yr)         Total Surplus (m³/yr)         Total Inputs (m³/yr)         Total Inputs (m³/yr)         Total Inputs (m³/yr)         Precipitation Surplus (m³/yr)         Yr)         Total Inputs (m³/yr)         Total Inputs (m³/yr)         Yr)	289	289	623	
Precipitation Surplus (mm/yr)         Net Surplus (mm/yr)         Evapotranspiration (mm/yr)         Infiltration (mm/yr)         Surplus Infiltration (mm/yr)         Total Infiltration (mm/yr)         Run-Off Pervious Areas (mm/yr)         Total Run-Off Impervious Areas (mm/yr)         Total Outputs (mm/yr)         Total Outputs (mm/yr)         Difference (Inputs - Outputs)         Inputs (Volumes)         Precipitation (m³/yr)         Other Inputs (m³/yr)         Total Inputs (m³/yr)         Total Surplus (m³/yr)         Total Inputs (m³/yr)         Surplus (m³/yr)         Total Inputs (m³/yr)         Yr)         Surplus (m³/yr)         Yr)         Surplus (m³/yr)         Yr)	289			400
Net Surplus (mm/yr)         Image: Surplus (mm/yr)           Evapotranspiration (mm/yr)         Infiltration (mm/yr)           Surplus Infiltration (mm/yr)         Total Infiltration (mm/yr)           Total Infiltration (mm/yr)         Image: Surplus Infiltration (mm/yr)           Run-Off Pervious Areas (mm/yr)         Total Run-Off (mm/yr)           Total Outputs (mm/yr)         Image: Surplus Infiltration (mm/yr)           Total Outputs (mm/yr)         Image: Surplus Infiltration (m/yr)           Difference (Inputs - Outputs)         Imputs (Volumes)           Precipitation (m³/yr)         1           Run-On (m³/yr)         1           Other Inputs (m³/yr)         1           Outputs (Volumes)         Precipitation Surplus (m³/yr)           Precipitation Surplus (m³/yr)         1           Outputs (Volumes)         1           Precipitation Surplus (m³/yr)         1           Outputs (Volumes)         1	289			
Evapotranspiration (mm/yr)           Infiltration (mm/yr)           Surplus Infiltration (mm/yr)           Total Infiltration (mm/yr)           Run-Off Pervious Areas (mm/yr)           Total Run-Off (mm/yr)           Total Outputs (mm/yr)           Difference (Inputs - Outputs)           Inputs (Volumes)           Precipitation (m³/yr)           Other Inputs (m³/yr)           Total Inputs (m³/yr)           Other Source (m³/yr)           Total Inputs (m³/yr)           Yr           Total Inputs (m³/yr)           Yr           Yr           Total Inputs (m³/yr)           Yr		289		469
Infiltration (mm/yr)           Surplus Infiltration (mm/yr)           Total Infiltration (mm/yr)           Run-Off Pervious Areas (mm/yr)           Run-Off Impervious Areas (mm/yr)           Total Run-Off (mm/yr)           Total Outputs (mm/yr)           Difference (Inputs - Outputs)           Inputs (Volumes)           Precipitation (m³/yr)           Other Inputs (m³/yr)           Total Inputs (m³/yr)           Outputs (volumes)           Precipitation (m³/yr)           Other Source (m³/yr)           Total Inputs (m³/yr)           Precipitation Surplus (m³/yr)           Yrecipitation Surplus (m³/yr)			623	469
Surplus Infiltration (mm/yr)         Total Infiltration (mm/yr)         Run-Off Pervious Areas (mm/yr)         Run-Off Impervious Areas (mm/yr)         Total Run-Off (mm/yr)         Total Outputs (mm/yr)         Difference (Inputs - Outputs)         Inputs (Volumes)         Precipitation (m³/yr)         Other Inputs (m³/yr)         Total Inputs (m³/yr)         Total Inputs (m³/yr)         Surplus (m³/yr)         Total Inputs (m³/yr)         Yrecipitation Surplus (m³/yr)         Precipitation Surplus (m³/yr)         Yrecipitation Surplus (m³/yr)	190 145	<u>490</u> 116	156 0	310 65
Total Infiltration (mm/yr)           Run-Off Pervious Areas (mm/yr)           Run-Off Impervious Areas (mm/yr)           Total Run-Off (mm/yr)           Total Outputs (mm/yr)           Difference (Inputs - Outputs)           Inputs (Volumes)           Precipitation (m³/yr)           Other Inputs (m³/yr)           Total Inputs (m³/yr)           Total Inputs (m³/yr)           Precipitation Surplus (m³/yr)           Surplus (m³/yr)           Total Inputs (m³/yr)           Precipitation Surplus (m³/yr)           Precipitation Surplus (m³/yr)	0	0	0	0
Run-Off Pervious Areas (mm/yr)           Run-Off Impervious Areas (mm/yr)           Total Run-Off (mm/yr)           Total Outputs (mm/yr)           Difference (Inputs - Outputs)           Inputs (Volumes)           Precipitation (m³/yr)           Other Inputs (m³/yr)           Total Inputs (m³/yr)           Total Inputs (m³/yr)           Precipitation Surplus (m³/yr)           Section Surplus (m³/yr)           Precipitation Surplus (m³/yr)           Net Surplus (m³/yr)           Net Surplus (m³/yr)	45	116	0	65
Run-Off Impervious Areas (mm/yr)           Total Run-Off (mm/yr)           Total Outputs (mm/yr)           Difference (Inputs - Outputs)           Inputs (Volumes)           Precipitation (m³/yr)           Other Inputs (m³/yr)           Total Inputs (m³/yr)           Total Inputs (m³/yr)           Precipitation Surplus (m³/yr)           Precipitation Surplus (m³/yr)           Precipitation Surplus (m³/yr)           Net Surplus (m³/yr)	45	173	0	69
Total Run-Off (mm/yr)           Total Outputs (mm/yr)           Difference (Inputs - Outputs)           Inputs (Volumes)           Precipitation (m³/yr)           Other Inputs (m³/yr)           Total Inputs (m³/yr)           Total Inputs (m³/yr)           Precipitation Surplus (m³/yr)           Precipitation Surplus (m³/yr)           Inputs (Volumes)           Precipitation Surplus (m³/yr)           Net Surplus (m³/yr)           Yr           Yr </td <td>0</td> <td>0</td> <td>623</td> <td>335</td>	0	0	623	335
Total Outputs (mm/yr)         Difference (Inputs - Outputs)           Difference (Inputs - Outputs)         Inputs (Volumes)           Precipitation (m³/yr)         1           Run-On (m³/yr)         1           Other Inputs (m³/yr)         1           Total Inputs (m³/yr)         1           Outputs (Volumes)         1           Precipitation Surplus (m³/yr)         1           Outputs (Volumes)         1           Precipitation Surplus (m³/yr)         1           Net Surplus (m³/yr)         1	145	173	623	404
Difference (Inputs - Outputs)           Inputs (Volumes)           Precipitation (m³/yr)         1           Run-On (m³/yr)         1           Other Inputs (m³/yr)         1           Total Inputs (m³/yr)         1           Outputs (Volumes)         1           Precipitation Surplus (m³/yr)         1           Outputs (Volumes)         1           Precipitation Surplus (m³/yr)         1           Net Surplus (m³/yr)         1	779	779	779	779
Inputs (Volumes)           Precipitation (m³/yr)         1           Run-On (m³/yr)         1           Other Inputs (m³/yr)         1           Total Inputs (m³/yr)         1           Outputs (Volumes)         1           Precipitation Surplus (m³/yr)         1           Net Surplus (m³/yr)         1           Vapotranspiration (m³/yr)         1	0	0	0	0
Precipitation (m³/yr)         1           Run-On (m³/yr)         0           Other Inputs (m³/yr)         1           Total Inputs (m³/yr)         1           Outputs (Volumes)         1           Precipitation Surplus (m³/yr)         1           Net Surplus (m³/yr)         1           Evapotranspiration (m³/yr)         1		•	1	
Run-On         (m³/yr)           Other Inputs         (m³/yr)           Total Inputs         (m³/yr) <b>Outputs</b> (Volumes)           Precipitation         Surplus           Net         Surplus           (m³/yr)         1           Evapotranspiration         (m³/yr)	909	391	2,674	4,974
Other Inputs (m³/yr)         1           Total Inputs (m³/yr)         1           Outputs (Volumes)         1           Precipitation Surplus (m³/yr)         1           Net Surplus (m³/yr)         1           Evapotranspiration (m³/yr)         1	0	0	0	0
Total Inputs (m³/yr)     1       Outputs (Volumes)       Precipitation Surplus (m³/yr)       Net Surplus (m³/yr)       Evapotranspiration (m³/yr)	0	0	0	0
Outputs (Volumes)           Precipitation Surplus (m³/yr)           Net Surplus (m³/yr)           Evapotranspiration (m³/yr)	.909	391	2,674	4,974
Precipitation Surplus (m³/yr)         Net Surplus (m³/yr)         Evapotranspiration (m³/yr)	909	391	2,674	4,974
Net Surplus (m³/yr)       Evapotranspiration (m³/yr)	708	4.45	0.400	2,993
Evapotranspiration (m <sup>3</sup> /yr) 1	00 1	145	2,139	,
		145	2,139	2,993
Infiltration (m <sup>3</sup> /vr)	708	246	535	1,981
	708 201	58	0	412
Surplus Infiltration (m <sup>3</sup> /yr)	708		0	0
Total Infiltration (m <sup>3</sup> /yr)	708 201	0	0	412
Run-Off Pervious Areas (m <sup>3</sup> /yr)	708 201 354	0 58		441
Run-Off Impervious Areas (m <sup>3</sup> /yr)	708       201       354       0		0	2,139
	708       201       354       0       354       354       354	<mark>58</mark> 87		
, <u>,</u>	708       201       354       0       354       10       354       0	58 87 0	2,139	,
Difference (Inputs - Outputs)	708       201       354       0       354       354       354	<mark>58</mark> 87		2,139 2,581 4,974



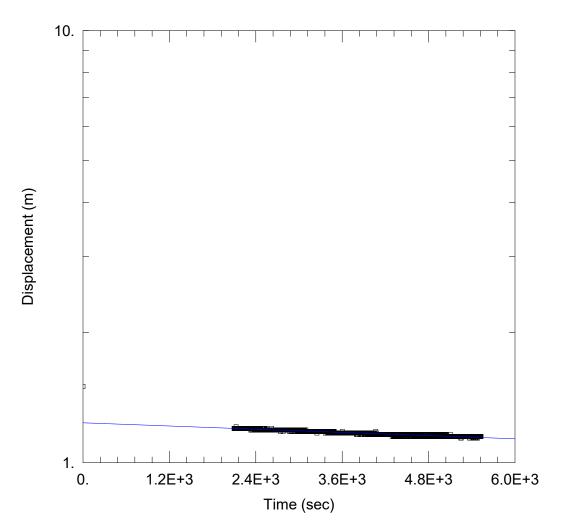
# APPENDIX E

Hydraulic Conductivity Testing



	WELL TEST ANALYSIS			
Data Set: <u>X:\\BH2 Logger.aqt</u> Date: <u>06/02/22</u>	Time: <u>17:50:09</u>			
P	ROJECT INFORMATION			
Company: <u>Azimuth Environmental</u> Client: <u>Azure Group</u> Project: <u>22-056</u> Location: <u>Mississauga</u> Test Date: <u>May 11th 2022</u>				
	AQUIFER DATA			
Saturated Thickness: <u>3.34</u> m	Anisotropy Ratio (Kz/Kr): <u>1.</u>			
WELL DATA (BH2)				
Initial Displacement: <u>1.5</u> m Total Well Penetration Depth: 3.34 m	Static Water Column Height: <u>4.9</u> m Screen Length: 3.05 m			

Casing Radius: <u>0.0254</u> m	Wellbore Radius: <u>0.1524</u> m		
	SOLUTION		
Aquifer Model: <u>Unconfined</u>	Solution Method: <u>Hvorslev</u>		
K = <u>2.278E-8</u> m/sec	y0 = <u>1.28</u> m		



WELL TEST ANALYSIS				
Data Set:         X:\\BH106 Logger.aqt           Date:         06/02/22           Time:         17:49:51				
PROJECT INFORMATION				
Company: Azimuth Environmental				
AQUIFER DATA				
Saturated Thickness: <u>3.58</u> m Anisotropy Ratio (Kz/Kr): <u>1.</u>				
WELL DATA (BH106)				
Initial Displacement:1.5 mStatic Water Column Height:3.84 mTotal Well Penetration Depth:3.58 mScreen Length:3.05 mCasing Radius:0.0254 mWellbore Radius:0.1524 m				
SOLUTION				

Aquifer Model: Unconfined

K = 5.564E-9 m/sec

Solution Method: <u>Hvorslev</u>

y0 = <u>1.236</u> m



## **APPENDIX F**

Water Quality Data

AZIMUTH ENVIRONMENTAL CONSULTING, INC.

#### **Results of Surface Water Chemical Analyses**

			Provincial Water Quality Objectives (1994)	BH-3 Sampled on: 2022-05-11 Sampled by: Azimuth Analyzed
Parameter	Symbol	Units	Objective	Caduceon
Saturation pH		N/A		6.73
		N/A N/A	6.5-8.5	7.51
pH			-	0.777
Langlier Index		N/A	262	244
Alkalinity (as CaCO3)	HCO3 <sup>-</sup>	mg/L	-	244
Bicarbonate (as CaCO3)	-	mg/L	-	< 5
Carbonate (as CaCO3)	CO3-2	mg/L	-	< 5
Hydroxide		mg/L	-	3380
Electrical Conductivity		uS/cm	-	< 1
Fluoride	F'	mg/L	-	777
Chloride	Cr	mg/L		
Nitrate as N	NO <sub>3</sub> -N	mg/L	-	5.47
Nitrite as N	NO <sub>2</sub> -N	mg/L	-	< 0.5
Bromide	Br	mg/L	-	< 4
Sulphate	SO4-2	mg/L	-	83
Calcium	Ca	mg/L	-	247
Magnesium	Mg	mg/L	-	26.7
Sodium	Na	mg/L	-	393
Potassium	к	mg/L	-	4.9
Ammonia as N	NH <sub>3</sub> -N	mg/L	-	0.02
Phosphate as P	PO4-3	mg/L	-	0.005
Total Phosphorus	Р	mg/L	0.03	2.89
Reactive Silica	Si	mg/L	-	9.33
Total Organic Carbon	TOC	mg/L	-	1.1
Colour		Colour Units	-	< 2
Turbidity		NTU	-	181
Aluminum	AI	mg/L	0.075	0.29
Antimony	Sb	mg/L mg/L	0.02	0.0002
Arsenic	As		0.005	< 0.0003
Barium	Ba	mg/L	-	0.265
	B	mg/L	0.2	0.04
Boron	Cd	mg/L	0.0002	< 0.000029
Cadmium	Cr	mg/L	0.0089	0.001
Chromium	Cu	mg/L	0.005	0.0009
Copper		mg/L		
Iron	Fe	mg/L	0.3	0.259
Lead	Pb	mg/L	0.001	0.00024
Manganese	Mn	mg/L	-	0.032
Mercury	Hg	mg/L	0.0002	< 0.00002
Molybdenum	Mo	mg/L	0.04	0.0003
Nickel	Ni	mg/L	0.025	< 0.01
Selenium	Se	mg/L	0.1	0.004
Silver	Ag	mg/L	0.0001	0.0003
Strontium	Sr	mg/L	-	0.623
Thallium	TI	mg/L	0.0003	< 0.00005
Tin	Sn	mg/L	-	< 0.05
Titanium	Ti	mg/L	-	0.008
Uranium	U	mg/L	0.005	0.0006
Vanadium	V	mg/L	0.006	0.0005
Zinc	Zn	mg/L	0.03	< 0.005
Total Dissolved Solids	TDS	mg/L mg/L	-	1678
Total Hardness (as CaCO3)	1	mg/L mg/L	-	727
% Difference/Ion Balance	1	%	-	4.69
Biochemical Oxygen Demand	BOD	mg/L	-	< 3
	TKN		-	5.9
Total Kjeldahl Nitrogen	COD	mg/L	-	31
Chemical Oxygen Demand		mg/L	0.001	< 0.001
Phenols	TSS	mg/L	-	- 0.001
Total Suspended Solids	100	mg/L	-	
Conductivity (field)		µS/cm	-	
Temperature (field)		°C	-	
bH (field)			-	
Redox		mV	-	
Dissolved Oxygen	1	mg/L	-	

Dissolved Oxygen mg/L Bold and highlighted indicates PWQO exceedance INS - Insufficient sample quantity to analyze for parameter



## APPENDIX G

**Dewatering Calculations** 

